

IV International Congress of AEPROMO



6th -7th June, 2014. Facultad de Ciencias de la Salud de la URJC - Universidad Rey Juan Carlos, Madrid, Spain.

Abstract Book

IV International Congress of AEPROMO
"For a Professional Practice of Ozone Therapy"
Spanish Association of Medical Professionals in Ozone Therapy

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(IMEOF)



Spanish Journal of Ozone Therapy



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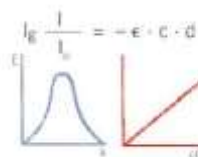
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Preface

¡We have transformed what used to be perceived as a problem into a challenge!

The 4th International Congress of AEPROMO and 3rd of IMEOF "For a Professional Practice of Ozone Therapy" is a major new step forward out of the many that our organization has been doing in favor of ozone therapy. After creating AEPROMO in 2008, we organized the first international congress in 2009. This event had a significant impact because we do it after getting from the Madrid Regional Ministry of Health the withdrawal of the ban of the practice of ozone therapy in outpatient clinics. In addition the Regional Ministry authorized its practice and spelled out the requirements to be practiced. The Congress of Pontevedra in 2009 has been an important milestone for three reasons: The ozone therapy in Spain began to be regularized by health authorities; for the first time a congress of ozone therapy received the title of "Health Interest"; and finally because we managed to assemble in Pontevedra leading figures from the ozone therapy world to share their experiences and pass on knowledge.

A qualitative improvement of enormous significance took place at the 2nd. International Congress of AEPROMO in 2010: The "International Meeting of Schools of Ozone Therapy" held in Madrid, at the Royal Academy of Medicine. Qualitative improvement because it was the first time that ozone therapy reached the ancient walls of the Royal Academy of Medicine; for the first time in the history of the global ozone therapy different schools, at the AEPROMO initiative, agreed on a dense framework document for the use of the medical ozone. The Document named was "The Madrid Declaration on Ozone Therapy." Today is the reference document for the vast majority of ozonotherapists in the world, having the support of 33 national and international associations of ozone therapy and it has been translated into eleven languages.

This congress laid the groundwork for the creation in October 2010 of the International Scientific Committee of the Ozone Therapy (ISCO3). This committee has, among its work descriptions, to update, when necessary, the Madrid Declaration on Ozone Therapy. So the Declaration is a living document and of permanent reference.

The IV International Congress will continue walking the same path set by the two previous ones. We will keep the organizational criterion to carry out these events in academic centers or in universities, to obtain more presence and strength in places where before, and even today, are reluctant to ozone therapy. ¡We have transformed what used to be perceived as a problem into a challenge! In that way we hold the 3rd. International Congress at the Faculty of Medicine of the Madrid Complutense University, one of the most important high study centers of the Spanish-speaking countries and the IV International Congress in Rey Juan Carlos University in Madrid. At present the King Juan Carlos University and AEROMO are jointly organizing and implementing the 2013 – 2014 distance learning course "University Diploma in Ozone Therapy and Ozonated Growth Factors".

As in the three previous occasions, the Congress has been awarded by the health authorities with the title of "Health Interest." The congress is held having the scientific back up of the recently book issued by AEPROMO: "Guide for the medical use of ozone - Therapeutic fundamentals and indications" written by a research team led by Dr. Adriana Schwartz, President of AEPROMO. It is the most complete publication on ozone therapy written in Spanish.

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We are approaching the congress with the enormous satisfaction of having achieved that 15 out of 17 Spanish states, have accepted the request of AEPROMO, to regularize the ozone therapy within their respective jurisdictions. We arrive to the congress with the joy of accomplishment to have effectively contributed to the foundation in 2008 and strengthening of the International Medical Ozone Federation (IMEOF), integrated by 21 national associations from around the world.

This congress will be preceded by three pre-congress courses: 1) Course for physicians: "New techniques for the application of medical ozone" 2) Course for dentists: "Ozone applications in dentistry" 3) Course for veterinarians: "Ozone therapy in the veterinary clinic".

The objectives of the 4th International Congress of AEPROMO & 3rd of IMEOF are:

1. To maintain a high level of updating, exchange and collaboration among all professionals, laboratories and medical and academic institutions, which work research and development topics and clinical applications related to ozone therapy.
2. To harmonize existing therapeutic procedures on the basis of efficacy / risk balance.
3. To insist on the introduction of good clinical practices; to disseminate knowledge, development of basic research and implementation of clinical trials on the topic of ozone therapy.
4. To divulge the main results in the field of pharmacological, preclinical and clinical toxicological research, technological, legal and good clinical practices in the application of ozone therapy.

In this Special Supplement of the Spanish Journal of Ozone Therapy the reader will find abstracts of all presentations and posters of the congress, the CV of all the speakers, members of the Scientific and Organizing Committees, and the names and addresses of the sponsors of international congress.

The congress is already underway. It is up to the speakers to explain their researches and share their clinical experiences. It is up to the participants to absorb the knowledge and to ask every subject, which has not been enough clarified and the current doubts. Let everyone make the most of the time to exchange experiences, to establish new contacts, to expand professional horizons and dive deep into one of the most beneficial therapies for patients discovered so far.

As organizers we hand over the baton and from now on the protagonists of the congress will be the speakers and participants!

Madrid, May 22, 2014.

Welcome all!
Organizing Committee.

Prefacio

¡Transformamos los obstáculos en retos!

El 4to. Congreso Internacional de AEPROMO y 3ro de la IMEO "Por la práctica profesional de la ozonoterapia" constituye un nuevo gran paso hacia delante, de los muchos que nuestra asociación ha venido dando a favor de la terapia del ozono.

Después de la creación de AEPROMO en el 2008, nos lanzamos al primer congreso internacional en el 2009. Éste tuvo un impacto significativo porque lo realizamos tras lograr que la Comunidad de Madrid levantara la prohibición que pesaba contra la práctica de la ozonoterapia en centros ambulatorios. Además autorizó su práctica y detalló por escrito los requisitos para que se pudiera realizar. El congreso de Pontevedra del 2009 marcó un hito importante por tres razones: La ozonoterapia en España comenzó a ser regulada por las autoridades sanitarias; por primera vez un congreso de ozonoterapia recibía el título de "Interés Sanitario"; y finalmente porque logramos convocar importantes personalidades del mundo de la ozonoterapia en Pontevedra para que compartieran experiencias y transmitieran conocimientos.

Un avance cualitativo de enorme significado tuvo lugar en el 2do. Congreso Internacional de AEPROMO en 2010: "Encuentro Internacional de Escuelas de Ozonoterapia", realizado en Madrid, en la Real Academia Nacional de Medicina. Avance cualitativo porque la ozonoterapia por primera vez llegaba a los centenarios muros de la Real Academia; por primera vez en la historia de la ozonoterapia mundial las diferentes escuelas, a iniciativa de AEPROMO, se pusieron de acuerdo en un denso documento marco para la utilización del Ozono médico. Documento bautizado "Declaración de Madrid sobre la Ozonoterapia". Hoy en día es el documento de referencia para la inmensa mayoría de ozonoterapeutas en el mundo, teniendo el respaldo de 33 asociaciones nacionales e internacionales de ozonoterapia y estando traducido a diez idiomas diferentes.

En este congreso se sentaron las bases para la creación en octubre de 2010 del *International Scientific Committee of Ozone Therapy* (ISCO3) que justamente tiene dentro de sus funciones el actualizar, cuando sea necesario, la Declaración de Madrid sobre la Ozonoterapia. De esta forma la Declaración es un instrumento vivo y de referencia permanente.

El IV Congreso continuará transitando el mismo camino marcado por los congresos anteriores. Perseveramos en el criterio organizativo de realizar estos eventos en centros académicos o en universidades, para así lograr tener más presencia y fortaleza en los lugares donde con anterioridad, y aún hoy en día, se tienen reticencias a la ozonoterapia. ¡Hemos transformado lo percibido como un problema en un desafío! Por ello nuestra decisión de celebrar el 3er congreso en la Facultad de Medicina de la Universidad Complutense de Madrid, uno de los más importantes centros de alto estudio de los países de habla castellana y este cuarto congreso en la Universidad Rey Juan Carlos, Campus de Alcorcón, Madrid (España). En la actualidad la Universidad Rey Juan Carlos y AEROMO organizan en forma conjunta el curso a distancia (2013 – 2014) con una semana presencial "Experto Universitario en Ozonoterapia y Factores de Crecimiento Ozonizados"

Como en las ocasiones anteriores el congreso vuelve a ser galardonado por las autoridades sanitarias con el título de "Interés Sanitario".

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El congreso se realiza teniendo el respaldo científico del libro recientemente publicado por AEPROMO: "Guía para el uso médico del ozono - Fundamentos terapéuticos e indicaciones", escrito por un equipo investigativo liderado por la Dra. Adriana Schwartz, Presidenta de AEPROMO. Es la obra más completa en ozonoterapia escrita en español.

Nos encaminamos hacia el congreso con la enorme satisfacción de haber logrado que 15 de las 17 comunidades españolas, hayan aceptado, a petición de AEPROMO, regularizar la práctica de la ozonoterapia dentro de sus respectivas jurisdicciones.

Llegamos al congreso con la alegría del deber cumplido al haber contribuido eficazmente al renacimiento y fortalecimiento de la *International Medical Ozone Federation* (IMEOF) integrada ya por 21 asociaciones nacionales de diferentes partes del mundo.

El congreso oferta a los participantes tres cursos precongreso: 1) Curso para médicos: "Nuevas técnicas de aplicación del ozono en medicina interna" 2) Curso para odontólogos: "Curso ozonoterapia oral y perioral" y 3) Curso para veterinarios: "Curso de ozonoterapia en animales menores. Casos clínicos"

Los objetivos del IV Congreso Internacional de AEPROMO y III de IMEOF. "*Por una práctica profesional de la ozonoterapia*" son:

1. Mantener un elevado nivel de actualización, intercambio y colaboración entre todos los profesionales, laboratorios e instituciones médicas y académicas, que trabajan temáticas de investigación-desarrollo y aplicaciones clínicas relacionadas con la ozonoterapia.
2. Armonizar los procedimientos terapéuticos actuales sobre la base del equilibrio eficacia / riesgo.
3. Insistir en la introducción de las buenas prácticas clínicas; divulgación del conocimiento, desarrollo de investigaciones básicas y ejecución de ensayos clínicos sobre la temática ozonoterapia.
4. Divulgar los principales resultados en el campo de la investigación farmacológica y toxicológica preclínica y clínica, tecnológica, legal y sobre buenas prácticas clínicas en la aplicación de la ozonoterapia.

En este Suplemento Especial de la Revista Española de Ozonoterapia el lector encontrará los sumarios de todas las ponencias y posters del congreso, el CV de todos los ponentes, los integrantes de los Comités Científico y Organizador, así como los nombres y direcciones de los patrocinadores del evento.

El congreso ya está en marcha. Corresponde ahora a los ponentes explicar sus investigaciones y compartir sus experiencias clínicas. A los participantes les toca asimilar lo transmitido y preguntar lo no suficientemente aclarado y las dudas existentes. Que todos aprovechen al máximo el tiempo para intercambiar experiencias, para establecer nuevos contactos, para ampliar horizontes profesionales y para sumergirse en profundidad en una de las terapias más beneficiosas para los pacientes descubiertas hasta ahora.

¡Los organizadores cedemos el testigo y ahora los protagonistas del congreso serán los ponentes y los participantes!

Madrid, 22 de mayo de 2014.
Sean todos bienvenidos!
El comité organizador.

Conference Agenda Pre-congress workshop

Jueves, 5	Curso para médicos: "Nuevas técnicas de aplicación del ozono en medicina interna"
	Aulario I, Universidad Rey Juan Carlos, Campus de Alcorcón, Madrid (España). Idioma: Castellano
08:00-8:30	Registro / Registration
	Nuevas técnicas de aplicación del ozono en medicina interna
08:30-8:35	Presentación del curso y profesores / Presentation of the course and professors.
08:35-10:30	Dr. Gregorio Martínez Sánchez (Italia - Italy) Vinculo entre el estrés oxidativo, la relación dosis efecto y los mecanismos de acción de la ozonoterapia. / Link among oxidative stress, dose effect relation and mechanisms of action of ozone therapy. Dr. Ciencias Farmacéuticas. Investigador Titular y Director Científico, Medical Center Beauty Benefit srl. Ancona. Miembro de AEPROMO. Miembro del Comité Internacional Científico de Ozonoterapia (ISCO3). Miembro Consejo Redacción, Comités Editorial y Evaluador. Revista Española de Ozonoterapia. / <i>Pharmacy Doctor. Senior Researcher. Scientific Director, Medical Center Beauty Benefit srl. Ancona (Italy). AEPROMO member. Member, International Scientific Committee of Ozone Therapy (ISCO3). Member Drafting Board, Editorial & Evaluation Boards, Spanish Journal of Ozone Therapy.</i>
10:30 - 11:00	Pausa Café / Coffee break
11:00 - 12:00	Dr. Esteban González. (SPA). Reflexiones sobre seguridad y estandarización de la autohemoterapia mayor. / Thoughts on safety and standardization of major autohemotherapy. MD. Medicina Interna. Director de Clínicaria Internacional, Las Palmas. Miembro de AEPROMO. Miembro Consejo Redacción y Comité Evaluador, Revista Española de Ozonoterapia. <i>MD. Internal Medicine. Director, Clínicaria Internacional, Las Palmas. Member of AEPROMO. Member Drafting & Evaluation Boards, Spanish Journal of Ozone Therapy.</i>
12:00 - 13:30	Bs.C. Tom Lowe (USA). Irradiación ultravioleta de la sangre. Indicaciones, protocolos y materiales. Demostración en directo. / Ultraviolet blood irradiation. Directions, protocols and materials. Live demo. Director of Physicians UBI Awareness.
13:30 - 14:30	Dr. Gregorio Martínez Sánchez (Italia - Italy) . Ozonoterapia en el manejo paliativo del Cáncer. / Ozone therapy in the palliative treatment of cancer.
14:30 - 15:30	Pausa Almuerzo/ Lunch. A cargo de cada participante. Pueden comer a precio módico en el restaurante de estudiantes del Campus de Alcorcón, Universidad Rey Juan Carlos. Lunch in charge of every participant who may have it at a low price at the Students Restaurant of the Campus of Alcorcón King Juan Carlos University.
15:30 - 16:30	Dr. Michael Schreiber. (GER). Ozono como parte del concepto biológico del cáncer en la práctica diaria/ Ozone as part of a biological cancer concept in the daily practice. Council member of the Germany Ozone Society, and the Association of Doctors for Natural Medicine (ZAEN).
16:30 - 17:30	Dr. Eugeny Nazarov. (Ucrania). Ozonización extracorporea / Extracorporeal ozonation. Ph.D. Chem. Sci., Dr. Sci. Tech. President of the Ukrainian Association Ozone Therapists. Ukraine
17:30 - 18:00	Pausa Café / Coffee break
18:00 - 19:30	Dr. Eugeny Nazarov. (Ucrania). Taller solución salina ozonizada. Demostración en directo. / Workshop ozonated saline solution. Live demo. Ph.D. Chem. Sci., Dr. Sci. Tech. President of the Ukrainian Association Ozone Therapists. Ukraine
19.30	Fin del curso. Foto de grupo y entrega de certificados / End of course. Group photo and delivery of certificates.

Note:

If nothing else is specified, all events take place at Aulario I, Universidad Rey Juan Carlos, Campus de Alcorcón, Madrid (España).
Language: Pre-congress course is available only in Spanish.

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Conference Agenda Pre-congress workshop

Jueves, 5	Curso para odontólogos: "Curso ozonoterapia oral y perioral"
	Salón de Actos, Departamental II, Universidad Rey Juan Carlos, Campus de Alcorcón, Madrid (España). Idioma: Castellano
08:00-8:30	Registro / Registration
Curso ozonoterapia oral y perioral	
08:30-8:35	Presentación del curso y profesores / Presentation of the course and professors.
08:35-11:00	Dra. Nora Bazzano, Argentina, Dr Mark Weiser, EUA. Aplicaciones del ozono en Odontología / Applications of ozone in dentistry. Demostración por video transmisión directa. / Video demonstration by direct broadcasting transmission.
11:00 - 11:30	Pausa Café / Coffee break
11:30 - 14:30	Dr. Ezio Gheno MD, DDS, Italia /Italy. Huesos y manejo de tejidos blandos en cirugía oral utilizando piezoeléctrica tecnología y factores de crecimiento / Bone & Soft Tissue Management in Oral Surgery using Piezo-electric Technology & Growth Factors. Demostración por video transmisión directa. / Video demonstration by direct broadcasting transmission.
14:30 - 15:30	Pausa Almuerzo/ Lunch. A cargo de cada participante. Pueden comer a precio módico en el restaurante de estudiantes del Campus de Alcorcón, Universidad Rey Juan Carlos. Lunch in charge of every participant who may have it at a low price at the Students Restaurant of the Campus of Alcorcón King Juan Carlos University.
15:30 - 16:30	Dr. Javier Hidalgo, España/Spain. Ozonoterapia en los trastornos temporo-mandibulares / Ozone-therapy in the temporo-jaw disorders. Demostración por video transmisión directa. / Video demonstration by direct broadcasting transmission. MD. Odontólogo. Doctor en Neurociencias. Miembro del Grupo de Investigación en Cefaleas, Fibromialgia y Psicotropos de la Junta de Andalucía. Director médico de Cinalgia. Miembro de AEPROMO. MD. Dentist. Doctor in Neuroscience. Member of the Research Group on Headaches, Fibromyalgia and Psychotropics of the Andalusian Community. Medical Director of Cinalgia. AEPROMO member.
16:30 - 17:30	Dr. Javier Hidalgo, España/Spain. Ozonoterapia en el dolor cráneo-cervico-facial/Ozone-therapy in the skull-cervico-facial pain. Demostración por video transmisión directa. / Video demonstration by direct broadcasting transmission.
17:30 - 18:00	Pausa Café / Coffee break
18:00 - 19:30	Ing. Manuel Delgado Spain. Uso de Generadores médicos en Odontología/Use of ozone generators in dentistry.
19.30	Fin del curso. Foto de grupo y entrega de certificados / End of course. Group photo and delivery of certificates.

Note:

If nothing else is specified, all events take place at Salón de Actos, Departamental II, Universidad Rey Juan Carlos, Campus de Alcorcón, Madrid (España).
Language: Pre-congress course is available only in Spanish.

Conference Agenda Pre-congress workshop

Jueves, 5	Curso para veterinarios: "Ozonoterapia en la clínica veterinaria"
	Alulario I, Universidad Rey Juan Carlos, Campus de Alcorcón, Madrid (España). Idioma: Castellano
09:00-9:30	Registro / Registration
	Ozonoterapia en la clínica veterinaria
09:30-9:35	Presentación del curso y profesores / Presentation of the course and professors.
09:35-10:35	Dra. Vet. Mercedes Hernández Avilés. Fundamentos biológicos del potencial terapéutico del ozono. Estrés Oxidativo. / Biological foundations of the therapeutic potential of ozone. Oxidative Stress.
10:35-11:35	Bs.C. Jonathan Lowe (USA). Irradiación de la sangre con ultravioleta y ozono. Terapia innovadora y eficaz en veterinaria. Indicaciones y demostración de la técnica. / Blood irradiation with ultraviolet and ozone. Innovative and effective veterinary therapy. Directions and demonstration of the technique.
11:35- 12:05	Pausa Café / Coffee break
12:05 - 13:05	Dra. Vet. Mercedes Hernández Avilés. Ventajas de la ozonoterapia/ advantages of ozone therapy. Probada eficacia en la mayoría de enfermedades. / Proven effective in most diseases. Adaptable a todas las especies / Adaptable to all species. Compatible con los tratamientos convencionales. / Compatible with conventional treatments. Factores de crecimiento ozonizados. / Ozonated growth factors.
13:05 - 14:05	Ing. Manuel Delgado (SPA). Generadores de ozono médico. Seguridad en el manejo del ozono. Materiales no aptos. Fungibles / Medical Ozone Generators. Ozone Safety handling. Compatible materials. Consumables to be used. Cálculo de dosis. / Dose calculation. Dra. Vet. Mercedes Hernández Avilés (SPA). Vías / Routes: Autohemoterapia mayor (AHM). / Major Autohemotherapy (MAHT). Autohemoterapia menor (AHm). / Minor Autohemotherapy (MiAHT). Insuflación rectal (IR). Bolsa. Inyección local. Aceite. Agua. Suero. / Rectal insufflation (RI). Bagging. Local injection. Oil. Water. Normal Saline.
14:05 - 15:30	Pausa Almuerzo/ Lunch. A cargo de cada participante. Pueden comer a precio módico en el restaurante de estudiantes del Campus de Alcorcón, Universidad Rey Juan Carlos. Lunch in charge of every participant who may have it at a low price at the Students Restaurant of the Campus of Alcorcón King Juan Carlos University.
15:30 - 16:30	Dra. Vet. Mercedes Hernández Avilés (SPA). Principales aplicaciones / Main applications. Traumatología. / Traumatology. Dermatología / Dermatology. Oncología / Oncology. Oftalmología, otros. / Ophthalmology others.
16:30 - 18:00	Dra. Vet. Mercedes Hernández Avilés (SPA). Casos clínicos y simulación de las diferentes formas de aplicación / Clinical cases and simulation of different forms of application.
18:00 - 18:30	Pausa Café / Coffee break
18:30 - 19:00	Debate general / General discusion.
19.30	Fin del curso. Foto de grupo y entrega de certificados / End of course. Group photo and delivery of certificates.

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Conference Agenda

Friday 6th - Saturday 7th, May 2014.

Friday, 6	Universidad Rey Juan Carlos, Campus de Alcorcón, Madrid (España).
08:00 - 9:00	Registration. Universidad Rey Juan Carlos, Campus de Alcorcón, Madrid (España)
09:00 - 9:30	Welcome / Open ceremony Welcoming speech: Dra. Adriana Schwartz Tapia. President of IMEOF.
9:00 - 9:15	Dra. María Angustias Palomar Gallejo
	Dr. Juan López-Laserna
9:15 - 9:30	Welcoming speech: Dr. Fernando Suárez Bilbao. Dean Univ. Rey Juan Carlos.
	Plenary Lecture. Chairs: Adriana Schwartz Tapia (SPA)
9:30 - 11:05	9.30 Roberto Quintero Mariño (SPA). Legal developments in the world of ozone therapy and its challenges 9.50 Franklin E Aular Montilla (VEN). Venezuela, a special case for the development of ozone therapy 10.10 Froylán Alvarado Güémez (MEX). Scientific basis for management of pain with ozone 10.30 Antonio Corralero Romaguera (SPA). Report from a Consulting room of pain treatment with non-conventional therapies 10.50-11.05 Discussion
11:05 - 12:00	Coffee Break and visit to commercial exposition Plenary Lecture. Chairs: Juan López Lazerna Ruiz (SPA) / Froylán Alvarado Güémez (MEX).
12:00 - 13:55	12.00 Renate Viebahn-Haensler (GER). Rheumatoid arthritis as chronic inflammatory process and the rationale of ozone treatment 12.20 Eugeni I. Nazarov (UKR). Extracorporeal blood oxygenation and ozonization 12.40 Iván Pacheco (VEN). Treatment of failed back syndrome with percutaneous discolisis and Epidural Block with oxygen-ozone 13.00 Raúl Matera (ARG). Ozone therapy in penumbra area of ischemic cerebrovascular attacks 13.20 Adriana Schwartz Tapia (SPA). Combination Therapy of Concentrate of Growth Factors (CGF) and Ozone: Its application in diabetic ulcers and in aesthetic medicine. 13.40-13:55 Discussion
13:55 - 15:45	Lunch in charge of every participant who may have it at a low price at the Students Restaurant of the Campus of Alcorcón King Juan Carlos University. Speakers are invited by AEPROMO. Plenary Lecture. Chairs: Esteban González Sánchez (SPA) / Raúl Matera (ARG).
15:45 - 17:40	15.45 Juan López Lazerna Ruiz (SPA) Arthrodiastasis and canalicular decompression, another effect of medical ozone 16.05 Ruhi Cakir (TUR). Caudal and Epidural Ozone Injections in Low Back Pain Cases 16.25 Saltuk Aytacoglu (TUR). Ozone Sauna.Can we use it in medicine? 16.45 Eugeni I. Nazarov (UKR). Adaptogenic theory of ozone therapy. Why as a result of exchange rate system procedures, ozone therapy normalize the biochemical and physiological characteristics of an organism? 17.15 Vincenzo Simonetti (ITA). Why ozone therapy in multiple sclerosis? 17.35-17.50 Discussion
17:50 - 18:30	Coffee Break and visit to commercial exposition
18:30 - 20:30	AEPROMO Members Meeting 18.30 First call, AEPROMO ordinary general assembly. Aula Magna Aulario I, Campus de Alcorcón, King Juan Carlos University 19.30 Second call, AEPROMO ordinary general assembly. Aula Magna Aulario I, Campus de Alcorcón, King Juan Carlos University.
20.30	End first day congress activities

Conference Agenda

Saturday 7th, May 2014.

Saturday, 7	Universidad Rey Juan Carlos, Campus de Alcorcón, Madrid (España).
	Plenary Lecture. Chairs: Nora Bazzano (ARG)
9:00 - 11:15	9.00 Nabil Mawsouf (EGY). Cardioprotective effects of ozone oxidative preconditioning in an in vivo model of ischemia/reperfusion injury 9.20 Umair Rashid Chaudhry (PAK). Success story of ozonucleolysis in disc lesions in Pakistan 9.40 10.00 Nora Bazzano (ARG). A substitute of the Fluor. The protective ozone in the oral cavity 10.20 Mark T Weiser (USA). Clinical Applications of Ozone in the Dental Clinic, a USA perspective 10.40 Julian Holmes (GBR – ZAF). Plant-derived products in the treatment of HIV; a novel approach to treating this disease 11.00-11.15 Discussion
11:15 - 12:15	Coffee Break and visit to commercial exposition
	Plenary Lecture. Chairs: Humberto Loscertales (SPA)
12:15 - 13:50	12.15 Viviana Clelia Lüdi Etchevarren (SPA). Advances in dentistry and ozone therapy, effect of gaseous ozone in Enterococcus faecalis biofilms, in vitro study 12.35 Velio Bocci (ITA). The therapeutic value of ozonotherapy 12.55 Gregorio Martínez Sánchez (ITA). Molecular basis of the effects of ozone. New advances 13.15 Manuel Gómez Moraleda (SPA). The regulation of oxidative stress in the ozone therapy. Comparison with other therapies and frequent situations 13.35 – 13.50 Discussion
13.50 - 15.50	Lunch in charge of every participant who may have it at a low price at the Students Restaurant of the Campus of Alcorcón King Juan Carlos University. Speakers are invited by AEPROMO.
	Plenary Lecture. Chairs: Gregorio Martínez Sánchez (ITA) / Nabil Mawsouf (EGY)
15:50 - 17:25	15.50 Iván Pacheco (VEN). Treatment of lumbar disc herniation with ozone-oxygen guided by tomography 16.10 Sergey Peretyagin (RUS). Bioenergetics optimization as a key mechanism of ozone therapy effects at urgent pathology 16.30 Emma Borelli (ITA). Oxygen ozone therapy as integrated treatment of chronic obstructive pulmonary disease: a preliminary study 16.50 Santos Martín (SPA). Does ozone have effect in rectal insufflation application in the estrone metabolism in postmenopausal women and in women with mammary neoplasia - both pre and post menopausal - positive hormone receptors? 17.10 – 17.25 Discussion
17:25 - 18:25	Coffee Break and visit to commercial exposition
	Plenary Lecture. Chairs: Antonio Corralero (SPA) / Franklin Aular (VEN).
18:25 - 20:00	18.25 Oksana Bitkina (RUS). Ozone therapy in dermatological practice 18.45 Mercedes Hernández Avilés (SPA). Importance of Ozone therapy in veterinary. Clinical cases 19.05 Víctor Pereyra (ARG). Ozonotherapy in hydatid cysts of spinal cord 19.25 Tetiana Barkhotkina (RUS). Application features of ozonotherapy in the practice of the otolaryngologist 19.45- 20.00 Discussion / General discussion / Concluding remarks

IV International Congress of AEPROMO
"For a Professional Practice of Ozone Therapy"
Spanish Association of Medical Professionals in Ozone Therapy

Conference Agenda - Agenda Congreso (English/Español)

Bilingual version/ Version bilingue

Viernes 6 de junio - Friday June 6th, 2014

8:00 – 9:00 Registro - *Registration*

9:00 – 9:30 **Inauguración - Welcome Ceremony**

Moderadores - Chairpersons: Dra. Adriana Schwartz Tapia (España). Dr. Juan López Laserna-Ruiz (España)

9:30 – 9:50 **D. Roberto Quintero Mariño (España - Spain)**

Abogado. Diplomado en Relaciones Internacionales y Doctor en Ciencias Políticas. Funcionario de Naciones Unidas por más de 22 años. Asesor Jurídico de la Asociación Española de Profesionales Médicos en Ozonoterapia - AEPROMO. (www.aepromo.org); de la International Medical Ozone Federation (IMEOF) (www.imeof.org); y de la International Scientific Committee of Ozonotherapy (ISCO3) (www.isco3.org). Miembro, Comité Editorial, Revista Española de Ozonoterapia.

Lawyer. International Relations Diploma. Political Sciences Doctor Former United Nations member. Legal Advisor of AEPROMO, IMEOF and ISCO3. Member Drafting Board, Spanish Journal of Ozone Therapy.

Ponencia: "Los avances legales en el mundo de la ozonoterapia y sus desafíos".

Lecture: "Legal developments in the world of ozone therapy and its challenges."

9:50 – 10:10 **Dr. Franklin E. Aular Montilla, MD (Venezuela)**

Traumatología y Ortopedia. Hospital Universitario de Caracas, Servicio de Cirugía de La Mano. Profesor Adjunto Cátedra de Traumatología y Ortopedia Universidad Central de Venezuela.

MD (Venezuela). Traumatology and Orthopedics. Caracas University Hospital, Department of Surgery of the Hand. Associate Professor Chair of Traumatology and Orthopedics. Central University of Venezuela.

Ponencia: "Venezuela, un caso especial para el desarrollo de la ozonoterapia."

Lecture: "Venezuela, a special case for the development of ozone therapy."

10:10 – 10:30 **Dr. Froylán Alvarado Güémez, MD (México)**

Presidente de la Asociación Mexicana de Ozonoterapia (AMAOZON, miembro de IMEOF). Profesor Asociado de Ozonoterapia, Facultad de Medicina de la Universidad Autónoma de Sinaloa (México). Miembro de AEPROMO. Miembro del Comité Internacional Científico de Ozonoterapia (ISCO3).

MD (México). President of the Mexican Association of Ozone Therapy (AMAOZON, member of IMEOF). Associated Professor of Ozonotherapy, Faculty of Medicine, Sinaloa Autonomous University. AEPROMO member. Member, International Scientific Committee of ozonotherapy (ISCO3).

Ponencia: "Bases científicas para el manejo del dolor con ozonoterapia"

Lecture: "Scientific basis for management of pain with ozone".

10:30 – 10:50 **Dr. Antonio Corralero Romaguera, MD (España - Spain)**

Anestesia-Reanimación y tratamiento del dolor. Experto Universitario en Ozonoterapia. Director médico, Clínica Unidolor . Tratamiento del dolor. Miembro de Aepromo.

Anesthesia-Reanimation and Pain Treatment. University Diploma in Ozone Therapy. Medical Director, Unidolor Clinic, Pain Management. Aepromo member.

Ponencia: "Memoria de una Unidad de tratamiento del dolor con terapias no convencionales"

Lecture: "Report from a Consulting room of pain treatment with non-conventional therapies"

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10:50 – 11:05 **Preguntas-respuestas. Questions-answers.**

11:05 – 12:00 Descanso café y visitas exposición comercial. *Coffee brake and visit to commercial exposition.*

Moderadores - Chairpersons: Dr. Juan López Laserna-Ruiz (España), Froylán Alvarado (México)

12:00 - 12:20 **Dra. Renate Viebahn-Haensler, Bioquímica y Farmaceuta. (Alemania)**

Secretaria General de la Sociedad Médica Alemana para el Uso del Ozono en Prevención y Terapia y de la Cooperación Europea de Sociedades del Ozono Médico.

Germany. Bio-Chemistry & Pharmacology. General Secretary of the German Medical Society for the Use of Ozone in Prevention and Therapy and the European Cooperation of the Medical Ozone Societies.

Ponencia: "La artritis reumatoide como proceso inflamatorio crónica y la justificación del tratamiento de ozono"

Lecture: "Rheumatoid arthritis as chronic inflammatory process and the rationale of ozone treatment"

12:20 – 12:40 **Eugeni I. Nazarov (UKR).**

Dr. en Ciencias. Presidente de la Asociación Ucraniana de Ozonoterapeutas (miembro de IMEOF). Vicepresidente de la Unión Asia-Europea de Ozonoterapeutas.

Chemical (Ukraine).Dr. Sciences. Chairman of the Ukrainian Association Ozone Therapists (member of IMEOF). Vice-president of the Asian-European Union Ozone Therapists.

Ponencia: "Oxigenación extracorpórea con ozono"

Lecture: "Extracorporeal blood oxygenation and ozonization"

12:40 – 13:00 **Dr. Iván Pacheco, MD (Venezuela)**

Traumatología y Ortopedia. Jefe de la Unidad de Traumatología y Ozonoterapia Porlamar, Isla de Margarita - Venezuela.

MD (Venezuela). Orthopedist. Head, Porlamar Traumatology and Ozone Therapy Unit, Margarita Island, Venezuela.

Ponencia: "Tratamiento de Síndrome de espalda fallida con discosis percutánea mas Bloqueo Peridural con oxígeno-ozono"

Lecture: "Treatment of failed back syndrome with percutaneous discosis and Epidural Block with oxygen-ozone"

13:00 – 13:20 **Dr. Raúl Matera, MD (Argentina).**

Neurocirujano. Cirugía Mínimamente Invasiva de la Columna. Profesor adscripto de neurocirugía, Facultad de Medicina de la Ciudad de Buenos Aires. Presidente de la Fundación Matera. Presidente de AMAOO (Asociación Médica Argentina de Oxígeno Ozonoterapia, miembro de IMEOF).

MD (Argentina). Neurosurgeon. Minimally Invasive Spine Surgery. Neurosurgery adjunct professor, Faculty of Medicine of Buenos Aires City. President, Matera Foundation. President, AMAOO (Argentine Oxygen Ozone Therapy Medical Association, member of IMEOF).

Ponencia: "Ozonoterapia en zona de penumbra de los ataques cerebrovasculares isquémicos"

Lecture: "Ozone therapy in penumbra area of ischemic cerebrovascular attacks"

13:20 – 13:40 **Dra. Adriana Schwartz (España - Spain).**

Directora Clínica Fiorela, Madrid. Directora Científica Instituto Clínico Fiorela, San Pedro Sula (Honduras). Presidenta de AEPROMO. Presidenta de IMEOF. Secretaria del ISCO3 (International Scientific Committee of Ozone Therapy). Directora, Revista Española de Ozonoterapia. Subdirectora y profesora curso de "Experto Universitario en Ozonoterapia y Factores de Crecimiento Ozonizados". Universidad Rey Juan Carlos, Madrid, edición 2013-2014. Profesora del Módulo de Ozonoterapia, Máster en Medicina Estética y Anti-vejecimiento 2014. Universidad Complutense de Madrid.

MD (Spain). Director, Clínica Fiorela, Madrid. Scientific Director, Fiorela Clinical Institute, San Pedro Sula (Honduras). President, AEPROMO. President, IMEOF. Secretary, ISCO3 (International Scientific Committee of ozonotherapy). Director, Spanish Journal of Ozone Therapy. Deputy Director, course of "University diploma in Ozone Therapy and ozonated Growth Factors", Madrid, 2013-2014 edition. Professor Ozone Therapy Module, Master in Aesthetic and Anti-Aging Medicine 2014, Complutense University of Madrid.

Ponencia: Terapia combinada de Concentrados de Factores de Crecimiento Ozonizados Autólogos (CGF) y Ozonoterapia: Su aplicación en úlceras diabéticas y Medicina estética.

Lecture: Combination Therapy of Concentrate of Growth Factors (CGF) and Ozone: Its application in diabetic ulcers and in aesthetic medicine.

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13:40 – 13: 55 Preguntas-respuestas. Questions-answers.

13:55 - 15:45 **Comida a cargo de cada participante.** Pueden comer a precio módico en el restaurante de estudiantes del Campus de Alcorcón, Universidad Rey Juan Carlos.

Lunch in charge of every participant who may have it at a low price at the Students Restaurant of the Campus of Alcorcón King Juan Carlos University.

Moderadores -Chairpersons: Dr. Raúl Matera (Argentina (España), Dr. Esteban González (España)

15:45 - 16:05 **Dr. Juan López-Laserna Ruiz, MD (España - Spain)**

Traumatología. Jefe, Unidad del Pie y Tobillo, Hospital San Juan de Dios, Córdoba. Presidente del Comité Científico del 4º Congreso de AEPROMO y 3º de IMEOF. Miembro de AEPROMO. Miembro Comité Editorial, Revista de la SEMPCT (Sociedad Española de Medicina y Cirugía del Pie y del Tobillo).

MD (Spain). MD. Traumatology. Chief, Foot and Ankle Unit, San Juan de Dios Hospital, Córdoba. President of the Scientific Committee of the 4th Congress of AEPROMO and 3rd of IMEOF. AEPROMO member. Member Editorial Board, Journal of the SEMCPT (Spanish Society of Medicine and Surgery of the Foot and Ankle).

Ponencia: "Artrodiastasis y descompresión canalicular, otro efecto del ozono médico"

Lecture: "Arthrodiastasis and canalicular decompression, another effect of medical ozone"

16:05 - 16:25 **Dr. Ruhi Cakir, MD (Turquía - Turkey)**

Pediatría- Medicina Familiar- Anti-vejecimiento en Medicina Preventiva. Mediozon Clínicas, Turquía. Miembro de ISCO3 (International Scientific Committee of ozonotherapy).

MD (Turkey). Pediatrics-Family Medicine- Anti-Aging in Preventive Medicine. Mediozon Clinics, Turkey. Member of ISCO3 (International Scientific Committee of ozonotherapy).

Ponencia: "Casos de inyecciones caudales y epidurales de ozono en el dolor lumbar"

Lecture: "Caudal and Epidural Ozone Injections in Low Back Pain Cases"

16:25 - 16:45 **Dr. Saltuk Aytacoglu, MD (Turquía - Turkey)**

Ginecología. Miembro de MODER (Asociación Turca de Ozono Médico, miembro de IMEOF).

MD (Turkey). Gynecology. Member of MODER (Turkish Medical Ozone Society, member of IMEOF).

Ponencia: "Ozono Sauna. ¿Podemos usarla en medicina?"

Lecture: "Ozone Sauna. Can we use it in medicine?"

16:45 – 17:15 **Dr. Sci. Eugeni I. Nazarov, Químico (Ucrania - Ukraine)**

Dr. en Ciencias. Presidente de la Asociación Ucraniana de Ozonoterapeutas (miembro de IMEOF). Vicepresidente de la Unión Asia-Europea de Ozonoterapeutas.

Chemical (Ukraine). Dr. Sciences. Chairman of the Ukrainian Association Ozone Therapists (member of IMEOF). Vice-president of the Asian-European Union Ozone Therapists.

Ponencia: "Teoría del efecto adaptogénico del ozono sistémico. ¿Por qué el ozono normaliza parámetros bioquímicos y fisiológicos?"

Lecture: "Adaptogenic theory of ozone therapy. Why as a result of exchange rate system procedures, ozone therapy normalize the biochemical and physiological characteristics of an organism?"

17:15 – 17:35 **Dr. Vincenzo Simonetti, MD (Italia - Italy)**

MD (Italia). PhD., Cirugía General.

MD (Italy). PhD., General surgery.

Ponencia: "¿Por qué la terapia de ozono en la esclerosis múltiple?"

Lecture: "Why ozone therapy in multiple sclerosis?"

17:35 - 17:50 Preguntas-respuestas. Questions-answers.

17:50 - 18:30 Descanso café y visitas exposición comercial. *Coffee brake and visit to commercial exposition.*

18:30 Primera convocatoria asamblea general ordinaria de AEPROMO. Aula Magna Aulario I, Campus de Alcorcón, Universidad Rey Juan Carlos. *First call, AEPROMO ordinary general assembly. Aula Magna Aulario I, Campus of Alcorcón, King Juan Carlos University*

19:30 Segunda convocatoria asamblea general ordinaria de AEPROMO. Aula Magna Aulario I, Campus de Alcorcón, Universidad Rey Juan Carlos. *Second call, AEPROMO ordinary general assembly. Aula Magna Aulario I, Campus of Alcorcón, King Juan Carlos University.*

20:30 **Fin de actividades primer día congreso / End first day congress activities**

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Sábado 7 de junio - Saturday June 7th

Moderadores - Chairpersons: Dra Vivan Borroto (Cuba). Dra. Nora Bazzano (Argentina)

- 9.00 - 9:20 **Dr. Nabil Mawsouf, MD (Egipto - Egypt)**
Anestesiología. Director de la Unidad del Dolor, Universidad del Cairo. Presidente, Sociedad Egipcia Médica para Ozonoterapia y Desarrollo de Medicina Complementaria (miembro de IMEOF). Miembro de AEPROMO. Miembro del Comité Internacional Científico de Ozonoterapia (ISCO3).
MD (Egypt). Anesthesiology. Director of the Unit of Pain, University of Cairo. President, Egyptian Medical Society for Ozonotherapy and Complementary Medicine Development (Member of IMEOF). AEPROMO member. Member, International Scientific Committee of ozonotherapy (ISCO3).
Ponencia: "Efectos cardioprotectores del ozono oxidativo preconditionando en un modelo en vivo de lesión por isquemia / reperfusión"
Lecture: "Cardioprotective effects of ozone oxidative preconditioning in an in vivo model of ischemia/reperfusion injury"
- 9:20 – 9:40 **Dr. Umair Rashid Chaudhry, MD (Paquistán - Pakistan)**
M.Sc. Enfermedades neurovasculares. Jefe de Departamento de Neurorradiología, Hospital General del Gobierno de Lahore, Postgrado, Instituto Médico.
MD (Pakistan). M.Sc. Neurovascular Diseases. Head Department of Neuroradiology, Government Lahore General Hospital, Post Graduate Medical Institute.
Ponencia: "Historia de éxito de ozonucleolysis en lesiones discales en Paquistán"
Lecture: "Success story of ozonucleolysis in disc lesions in Pakistan"
- 9.40 – 10:00 **Dr. José Luis Calunga, MD (Cuba)**
MD. PhD en Ciencias Médicas. Fisiología Normal y Patológica. Profesor Facultad de Medicina, Instituto de Ciencia Básicas y Preclínicas Victoria de Girón. 17 publicaciones científicas. Profesor Principal de 40 Cursos de Postgrado de Ozonoterapia. Miembro del "Grupo Nacional de Ozonoterapia del Centro Nacional de Investigaciones Científicas de Cuba".
PhD in Medical Sciences. Normal and Pathological Physiology. Professor Faculty of Medicine, Institute of Basic Science and Victoria de Girón. 17 scientific publications. Senior Lecturer 40 Postgraduate ozone courses. Member of the "National Ozone Group of the Cuban National Center for Scientific Research".
Ponencia: "Ozonoterapia en la fibrosis pulmonar"
Lecture: "Ozone therapy in pulmonary fibrosis"
- 10.00. – 10:20 **Dra. Nora Bazzano, Odontóloga (Argentina)**
Odontopediatría
DDS (Argentina). Odontopediatrics.
Ponencia: "Un sustituto del Flúor. El Ozono protector de la cavidad oral."
Lecture: "A substitute of the Fluor. The protective ozone in the oral cavity."
- 10.20 – 10:40 **Dr. Mark T Weiser, Odontólogo (EUA)**
Odontología estética y reconstructiva. Director Clínica de Lime Technologies Group, Santa Bárbara, California. Miembro de IAOH (International Association of Ozone in Healthcare and Dentistry).
DDS (USA). Aesthetic and reconstructive dentistry. Clinical Director Lime Technologies Group, Santa Bárbara, California. Member of the IAOH (International Association of Ozone in Healthcare and Dentistry).
Ponencia: "Aplicaciones del ozono en la clínica dental – Una perspectiva de EUA"
Lecture: "Clinical Applications of Ozone in the Dental Clinic, a USA perspective"
- 10.40 – 11:00 **Dr Julian Holmes, Odontólogo (RU & Sudáfrica - UK & South Africa)**
Presidente, International Association for Ozone in Healthcare & Dentistry (IAOH). Asesor científico, Ozone Association of South Africa. Authored or co-authored over 60 published papers. Holds two patents in South Africa.
Dentist ((UK & South Africa). President, International Association for Ozone in Healthcare & Dentistry (IAOH). Scientific Officer to the Ozone Association of South Africa. Authored or co-authored over 60 published papers. Holds two patents in South Africa.
Ponencia: "Productos vegetales para el tratamiento del VIH; un nuevo enfoque para el tratamiento de esta enfermedad"
Lecture: "Plant-derived products in the treatment of HIV; a novel approach to treating this disease"
- 11:00 - 11:15 **Preguntas-respuestas. Questions-answers.**
- 11:15 - 12:15 **Descanso café y visitas exposición comercial. Coffee brake and visit to commercial exposition.**

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Moderadores - Chairpersons: Dr. Humberto Loscertales (España).

12:15 - 12:35 **Dra. Viviana Clelia Lüdi Etchevarren, Odontóloga (España - Spain)**

Profesora Clínica de Patología y Terapéutica Dental II, Facultad de Medicina y Odontología, Universidad Santiago de Compostela (Galicia, España). Clínica Dental Socorro. Inventora: Aguja y cubetas microperforadas.

Dentist (Spain). Clinical Professor of Dental Pathology and Therapeutics II, Faculty of Medicine and Dentistry, Santiago de Compostela University (Galicia, Spain). Dental Clinic Socorro. Inventor: microperforated needles and cuvettes.

Ponencia: "Avances en odontología y ozonoterapia, efecto del ozono gaseoso en biopelículas de enterococcus faecalis, estudio in vitro"

Lecture: "Advances in dentistry and ozone therapy, effect of gaseous ozone in Enterococcus faecalis biofilms, in vitro study"

12:35 - 12:55 **Prof. Velio Bocci, MD (Italia)**

Profesor Emérito de Fisiología de la Universidad de Siena. Miembro Honorario de AEPROMO. Presidente de ISCO3 (Comité Internacional Científico de Ozonoterapia). Miembros del Comité Editorial de la Revista Española de Ozonoterapia.

MD. Italy. Emeritus Professor of Physiology at the University of Siena. Honorary Member of AEPROMO. President of ISCO3 (International Scientific Committee of ozonotherapy.) Member, Editorial Committee, International Journal of Ozone Therapy.

Ponencia: "El valor terapéutico de la ozonoterapia"

Lecture: "The therapeutic value of ozonotherapy"

12:55 - 13:15 **Dr. Gregorio Martínez Sánchez (Italia)**

Farmacéuta. Ph.D. Ciencias Farmacéuticas. Experto en Estrés Oxidativo. Miembro de AEPROMO. Miembro de ISCO3. Miembro Consejo Redacción, Comités Editorial y Evaluador, Revista Española de Ozonoterapia. Profesor del curso de "Experto Universitario en Ozonoterapia y Factores de Crecimiento Ozonizados". Universidad Rey Juan Carlos, Madrid, edición 2013-2014.

Pharmacist (Italy). Ph.D. Pharmaceutical Sciences. Member of AEPROMO. Member of ISCO3 (International Scientific Committee of ozonotherapy). Member of Editorial Board, Editorial Committees and Appraiser Committee of the Spanish Journal of Ozone Therapy.

Ponencia: "Las bases moleculares de los efectos del ozono. Nuevos avances"

Lecture: "Molecular basis of the effects of ozone. New advances"

13:15 - 13:35 **Dr. Manuel Gómez Moraleda, Químico (España)**

PhD en Ciencias Químicas. Medozono S.L. Director Fundador del Centro de Investigaciones del Ozono de Cuba. , Miembro de AEPROMO.

Chemical (Spain). PhD in Chemistry. Medozono S.L. Founding Director of the Cuban Ozone Research Center. Member of AEPROMO.

Ponencia: "La regulación del estrés oxidativo en la ozonoterapia. Comparación con otras terapias y situaciones frecuentes"

Lecture: "The regulation of oxidative stress in the ozone therapy. Comparison with other therapies and frequent situations"

13:35 - 13:50 **Preguntas-respuestas. Questions-answers.**

13:50 - 15:50 **Comida a cargo de cada participante.** Pueden comer a precio módico en el restaurante de estudiantes del Campus de Alcorcón, Universidad Rey Juan Carlos.

Lunch in charge of every participant who may have it at a low price at the students restaurant of the Campus of Alcorcón King Juan Carlos University.

Moderadores / Chairpersons: Dr. Gregorio Martínez (Italia). Dr. Nabil Mawsouf (Egipto)

15:50 - 16:10 Iván Pacheco (VEN).

Traumatología y Ortopedia. Jefe de la Unidad de Traumatología y Ozonoterapia Porlamar, Isla de Margarita - Venezuela.

MD (Venezuela). Orthopedist. Head, Porlamar Traumatology and Ozone Therapy Unit, Margarita Island, Venezuela.

Ponencia: Tratamiento de hernia discal lumbar con oxígeno-ozono guiada con tomografía

Lecture: "Treatment of lumbar disc herniation with ozone-oxygen guided by tomography"

16:10 - 16:30 **Prof. Sergey Peretyagin, MD (Rusia)**

Instituto de Investigación de Traumatología y Ortopedia de la Academia Estatal de Medicina de Nizhny Novgorod, Rusia. Presidente de la Asociación Rusa de Ozonoterapia, miembro de IMEOF. Miembro del Comité Internacional Científico de Ozonoterapia (ISCO3).

MD (Russia). Nizhny Novgorod Research Institute of Traumatology and Orthopaedics, Nizhny Novgorod State Medical Academy, Russia. President of the Russian Association of Ozone Therapy which is member of IMEOF. Member, International Scientific Committee of ozonotherapy (ISCO3).

Ponencia: "Optimización bioenergética como mecanismo clave de los efectos de la ozonoterapia en la patología urgente"

Lecture: "Bioenergetics optimization as a key mechanism of ozone therapy effects at urgent pathology."

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- 16.30 – 16:50 **Dra. Emma Borelli, MD (Italy)**
Ph.D. Enfermedad Pulmonar. Departamento de Biotecnologías Técnicas, Universidad de Siena.
MD (Italy). Ph.D. Pulmonary Disease. Department of Medical Biotechnologies, Siena University, Italy.
Ponencia: "Oxígeno ozonoterapia como tratamiento integrado de la enfermedad pulmonar obstructiva crónica: Estudio preliminar"
Lecture: "Oxygen ozone therapy as integrated treatment of chronic obstructive pulmonary disease: a preliminary study"
- 16:50 - 17:10 **Dr. Santos Martín, MD (España)**
Clínica Dr. Santos, Granollers, Cataluña, España.
MD (Spain). Dr. Santos Clinic. Granollers, Catalogna, Spain.
Ponencia: "¿Tiene efecto el ozono en aplicación por insuflación rectal en el metabolismo de las estronas en mujeres postmenopausicas y en mujeres afectadas de neoplasia mamaria – tanto pre como post menopáusicas – hormonoreceptoras positivas?"
Lecture: "Does ozone have effect in rectal insufflation application in the estrone metabolism in postmenopausal women and in women with mammary neoplasia - both pre and post menopausal - positive hormone receptors?"
- 17:10 - 17:25 **Preguntas-respuestas. Questions-answers.**
- 17:25 - 18:25 Descanso café y visitas exposición comercial. *Coffee brake and visit to commercial exposition.*
- Moderadores / Chairperson: Dr. Antonio Corralero (España - Spain). Dr. Franklin Aular (Venezuela).**
- 18.25 – 18:45 **Dra. Oksana Bitkina, MD (Rusia)**
Ph.D. Instituto de Investigación Dermatovenereal, Academia Médica Estatal, Nizhny Novgorod (Rusia). Miembro, Asociación Rusa de Ozonoterapia, miembro de IMEOF. Miembro de ISCO3 (Comité Internacional Científico de Ozonoterapia).
MD. Russia. Ph.D. Nizhny Novgorod State Medical Academy, Nizhny Novgorod Research Dermatovenereal Institute. Member of ISCO3 (International Scientific Committee of Ozone Therapy).
Ponencia: "La ozonoterapia en la práctica demartológica"
Lecture: "Ozone therapy in dermatological practice"
- Moderadores / Chairperson: Dr. Antonio Corralero (España - Spain). Dr. Franklin Aular (Venezuela).**
- 18:45 - 19:05 **Dra. Vet. Mercedes Hernández Avilés, VET (España)**
Veterinaria clínica. Especialista en pequeños animales. Directora, Clínica Veterinaria Dramp. Miembro de AEPROMO.
VET (Spain). Veterinary clinic. Specialist in small animals. Director, Veterinary Clinic Dramp. Member of AEPROMO.
Ponencia: "Importancia de la Ozonoterapia en veterinaria. Casos clínicos"
Lecture: "Importance of Ozone therapy in veterinary. Clinical cases"
- 19:05 - 19:25 **Dr. Víctor Pereyra, MD (Argentina)**
Neurocirugía. Unidad de Ozonoterapia, Fundación Matera, Tandil, Argentina.
MD (Argentina). Neurosurgeon ozone unit foundation Matera Tandil Argentina
Ponencia: "Ozonoterapia en quistes hidatídicos de medula espinal"
Lecture: "Ozonotherapy in hydatid cysts of spinal cord".
- 19:25 - 19:45 **Dra. Tetiana Barkhotkina, MD (Ucrania)**
Ph.D otorinolaringología. Profesora Electrónica Biomédica, Kharkov Universidad Politécnica Nacional de Járkov (Ucrania). Miembro, Asociación Ucraniana de Ozonoterapia (miembro de IMEOF). Patente del "tratamiento de la sordera neurosensorial"
MD (Ukraine). Ph.D. Otolaryngology. Professor Biomedic Electronic, Kharkov National Politecnic University (Ukraine). Member of the Ukrainian Association of Ozone Therapy (Member of IMEOF). Patent: The treatment mode of sensorineural deafness.
Ponencia: "Los características de la aplicación ozonoterapia en la práctica del médico-otorinolaringólogo."
Lecture: "Application features of ozonotherapy in the practice of the otolaryngologist."
- 19:45 - 20:00 **Preguntas-respuestas. Conclusiones generales. Questions-Answers. General conclusions.**
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Plenary lecture index

Friday, 6

Roberto Quintero Mariño (SPA)	Legal developments in the world of ozone therapy and its challenges
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Froylán Alvarado Güémez (MEX)	Scientific basis for management of pain with ozone
Antonio Corralero Romaguera (SPA).	Report from a Consulting room of pain treatment with non-conventional therapies
Eugene I. Nazarov (UKR).	Extracorporeal blood oxygenation and ozonization.
Renate Viebahn-Hänsler (GER)	Rheumatoid arthritis as chronic inflammatory process and the rationale of ozone treatment
Iván Pacheco (VEN).	Treatment of failed back syndrome with percutaneous discolisis and Epidural Block with oxygen-ozone
Raúl Matera (ARG).	Ozone therapy in penumbra area of ischemic cerebrovascular attacks
Adriana Schwartz Tapia (SPA)	Combination Therapy of Concentrate of Growth Factors (CGF) and Ozone: Its application in diabetic ulcers and in aesthetic medicine. Arthrodiastasis and canalicular decompression, another effect of medical ozone
Juan López-Laserna Ruiz (SPA)	
Ruhi Carkir(TUR).	Caudal and Epidural Ozone Injections in Low Back Pain Cases
Saltuk Aytacoglu (TUR).	Ozone Sauna.Can we use it in medicine?
Eugene I. Nazarov (UKR).	Adaptogenic theory of ozone therapy. Why as a result of exchange rate system procedures, ozone therapy normalize the biochemical and physiological characteristics of an organism?
Vicenzo Simonetti (ITA).	Why ozone therapy in multiple sclerosis?

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Saturday, 7

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Umair Rashid Chaudhry (PAK). Nora Bazzano (ARG).	Success story of ozonucleolysis in disc lesions in Pakistan A substitute of the Fluor. The protective ozone in the oral cavity
Mark T Weiser (USA).	Clinical Applications of Ozone in the Dental Clinic, a USA perspective
Julian Holmes (GBR – ZAF).	Plant-derived products in the treatment of HIV: a novel approach to treating this disease
Viviana Clelia Lüdi Etchevarren (SPA).	Advances in dentistry and ozone therapy, effect of gaseous ozone in Enterococcus faecalis biofilms, in vitro study
Velio Bocci (ITA)	The therapeutic value of ozonotherapy
Gregorio Martínez-Sánchez(CUB) Manuel Gómez Moraleda (SPA).	Molecular basis of the effects of ozone. New advances The regulation of oxidative stress in the ozone therapy. Comparison with other therapies and frequent situations
Iván Pacheco (VEN) Sergey Peretyagin(RUS)	Treatment of lumbar disc herniation with ozone-oxygen guided by tomography Bioenergetics optimization as a key mechanism of ozone therapy effects at urgent pathology
Emma Borelli (ITA).	Oxygen ozone therapy as integrated treatment of chronic obstructive pulmonary disease: a preliminary study
Santos Martín (SPA).	Does ozone have effect in rectal insufflation application in the estrone metabolism in postmenopausal women and in women with mammary neoplasia - both pre and post menopausal - positive hormone receptors?
Oksana Bitkina (RUS)	Ozone therapy using in dermatological practice. Russian experience
Mercedes Hernández Avilés (SPA)	The importance of ozone therapy in clinical veterinary practice. Case reports
Víctor Pereyra (ARG). Tetiana Barkhotkina (RUS).	Ozonotherapy in hydatid cysts of spinal cord Application features of ozonotherapy in the practice of the otolaryngologist

Plenary lecture

Legal developments in the world of ozone therapy and its challenges

Roberto Quintero Mariño.

Legal Advisor of the: Spanish Association of Medical Professionals in Ozone Therapy (AEPROMO, www.aepromo.org), International Medical Ozone Federation (IMEOF, www.imeof.org) and the International Scientific Committee of Ozone Therapy (ISCO3) www.isco3.org

The history indicates that it has been quite difficult for the ozone therapy to have a positive and significant presence in health legislation. Even in a few countries ozone therapists have been prosecuted by the health authorities.

From nothing to something: In 2005 there was no any legal provision on ozone therapy in any country of the world. In 2014 ten countries have already adopted provisions for its practice: Cuba, China, Dubai of the UAE, Honduras, Italy (3 regions out of 20), Oman, Portugal, Russia, Spain (15 communities out of 17), and Turkey. A comparative legal review provides a panoramic view of the legal status that the ozone therapy has in each of the countries analyzed.

Challenges to the ozone therapy

Legal challenges. We know that in about 50 nations ozone therapy is practiced. However only in ten of them there are administrative provisions for its practice. It is necessary to strengthen the regulatory process of the therapy.

Administrative challenges: Ozone therapy has been absent in administrative researches conducted by countries on therapies practiced in their territories. One research sponsored by the European Union and another one by Spain on alternative or complementary therapies do not include ozone therapy. Another on back pain conducted under the auspices of the European Union did not include it.

Bureaucratic challenges. Existing health administrative rules may be applied to the detriment of ozone therapy. In Catalonia (Spain) the authorities intend to place the autohemotherapy under the rules of hemodonación. In the U.S. the FDA has taken a position against the medical use of ozone.

Training challenges. Ozone therapy is a "medical act" that needs to be practiced by well trained professionals and with expertise. Training courses should be well organized and with proven quality teachers.

Unified practices challenges. Ozone therapy has to be practiced in accordance with previously adopted protocols by the appropriate forums and according to scientific advances.

Research challenges. Pharmaceutical companies do not support the practice of ozone because it goes against their economic interests.

Associative challenges. The relatively small world of ozone therapy is fragmented. There are countries where there are up to three associations of ozone therapy.

Key: PL1 ENG

Type of Presentation: Oral Presentation

Key words: Ozone Therapy, health legislation, provisions, regulatory process, legislation, challenges, associations.

Conferencia Plenaria

Los avances legales en el mundo de la ozonoterapia y sus desafíos

Roberto Quintero Mariño.

Asesor Legal de la Asociación Española de Profesionales Médicos en Ozonoterapia (AEPROMO, www.aepromo.org), el International Medical Ozone Federation (IMEOF, www.imeof.org) y el International Scientific Committee of Ozone Therapy (ISCO3) www.isco3.org

La historia indica que ha sido muy difícil para la ozonoterapia tener una presencia positiva y significativa en la legislación sanitaria. Incluso en algunos países los ozonoterapeutas han sido perseguidos por las autoridades sanitarias.

De nada a algo. En 2005 no había ninguna regulación en la terapia de ozono en ningún país del mundo. En 2014 ya hay diez países que han adoptado disposiciones para su práctica. Cuba, China, Dubai de los Emiratos Árabes Unidos, Honduras, Italia (en 3 regiones de 20), Omán, Portugal, Rusia, España (en 15 comunidades de 17) y Turquía. Una revisión de derecho comparado ofrece una vista panorámica de la situación jurídica que la ozonoterapia tiene en cada uno de los países analizados.

Desafíos de la ozonoterapia

Desafíos legales. Sabemos que en cerca de 50 naciones se practica la ozonoterapia. Sin embargo en solo diez hay normas administrativas sobre su práctica. Es necesario intensificar el trabajo de regulación.

Desafíos administrativos. La ozonoterapia ha estado ausente en las investigaciones administrativas que los estados realizan sobre terapias practicadas en sus territorios. Una investigación patrocinada por la Unión Europea y otra por España sobre terapias alternativas o complementarias no incluyó a la ozonoterapia. Otra sobre el dolor de espalda realizada bajo los auspicios de la Unión Europea tampoco la incluyó.

Desafíos burocráticos. Las normas sanitarias vigentes pueden aplicarse en detrimento de la ozonoterapia. Es el caso de Cataluña donde las autoridades pretenden ubicar a la autohemoterapia bajo la normativa de la hemodonación. En Estados Unidos la FDA ha adoptado una posición en contra de la utilización médica del ozono.

Desafíos asociativos. El mundo relativamente pequeño de la ozonoterapia se encuentra fragmentado. Hay países en donde existen hasta tres asociaciones de ozonoterapia.

Desafíos formativos. La ozonoterapia es un "acto médico" que requiere ser practicada por profesionales de la salud debidamente formados y con experiencia. Los cursos de formación deben ser bien organizados y con profesores de calidad demostrada.

Desafíos de prácticas unificadas. La ozonoterapia exige que se practique de acuerdo a protocolos previamente adoptados en los foros adecuados y de acuerdo a los avances científicos.

Desafíos investigativos. Las empresas farmacéuticas no apoyan la práctica de la ozonoterapia porque va en contra de sus intereses económicos.

Key: PL1 SPA

Tipo de Presentación: Presentación oral.

Palabras clave: ozono terapia, requisitos legales, ozono regulaciones

Plenary lecture

Venezuela, a special case for the development of ozone therapy

Franklin E. Aular Montilla

Hospital Universitario de Caracas, Servicio de Cirugía de La Mano.

Ozonotherapy in the world is growing and developing rapidly in recent years. This has alone its own enemies, a therapy that does not use drugs and decreases the number of surgeries, it's hard to articulate with a world that sometimes organizes its health services as a big issue. Venezuela, a country where medical and Scientific activities are subordinated to strong political interests, where the private and the public health system are collapsed, where the difficulties in obtaining foreign currency to get supplies for health are common and most importantly, serious national problems sometimes do forget the importance that Ozonotherapy has for the patients, must be thought with creative and practical solutions against all odds. A new proposal so that the government can use the ozone therapy as the way to accomplished population's health and ingenious ideas to integrate, assemble and connect to new professionals interested in ozone therapy practice appear to advance and develop the Medical Ozone in the country, the situation analysis of the practice of Ozone in Venezuela.

Key: PL2 ENG

Type of Presentation: Oral Presentation.

Keywords: ozone therapy, Venezuela

Conferencia Plenaria

Venezuela, un caso especial para el desarrollo de la ozonoterapia

Franklin E. Aular Montilla

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La Ozonoterapia a nivel mundial ha mostrado un desarrollo importante durante estos últimos años. La misma tiene por sí sola sus propios enemigos, una terapia que no usa medicamentos y disminuye el número de intervenciones quirúrgicas, no le es fácil integrarse a un mundo que muchas veces organiza sus servicios de salud con los principios de un gran negocio. Venezuela, un país donde las actividades médicas, gremiales y científicas se encuentran regidas por entes estatales con fuertes intereses políticos, donde el sistema de salud público y privado está colapsado, la dificultad para obtener divisas para importar insumos para la salud es el día a día y sobre todo, los graves problemas nacionales a veces hacen olvidar la importancia que una herramienta terapéutica como la Ozonoterapia puede tener para los pacientes. Hay que luchar con creatividad y soluciones prácticas contra todos esos obstáculos, con nuevas propuestas de cómo el estado puede utilizar la ozonoterapia como vehículo para llevar salud a la población e ingeniosas maneras de ir integrando, agrupando y conectando a los nuevos profesionales interesados en la Ozonoterapia surgen con la intención de avanzar y desarrollar el Ozono Médico en el País, Análisis Situacional de la Ozonoterapia en Venezuela.

Key: PL2 SPA

Tipo de participación: Presentación oral.

Palabras clave: Ozonoterapia, Venezuela.

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Plenary lecture

Scientific basis for pain management with ozone

Froylán Alvarado Güémez

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In 1876, for first time in Russia, the Kazan University B. Chemezov performed scientific research on the influence of ozone in animal tissues by passage through subcutaneous cellular tissue, watching first vasoconstriction, then an effect vasodilator, as well as dehydration and inhibition of peripheral nerves¹.

The first medical application appears to have been its use for the treatment of post-traumatic gas gangrene in German soldiers during the First World War (1914-1918). However, a huge step was taken by physical Hänslér Joachim (1908-1981) with the invention in 1950 of a reliable ozone generator for medical purposes².

Researches in XX Century on the properties of ozone showed that it can react with most organic and inorganic substances until complete oxidation, and are established selective influence of ozone on substances that have double and triple bonds, as part of the composition of the plasma lipoprotein complexes of bilayers and cellular membranes. The reactions with these compounds underlying the biological effects of ozone and have meaning in the pathology of various diseases³.

The aim of this paper is to explain based on a thorough literature review different mechanisms to explain the analgesic and anti-inflammatory effects triggered by therapeutic applications of ozone^{4,5,6,7,8,9} and presented a series clinical cases of clinical practice of the author, of painful disease of diverse etiology that exemplify these mechanisms described.

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-

Key: PL3 ENG

Type of Presentation: Oral Presentation. Review Lecture – Up-date.

Key words: *Oxygen-Ozone therapy, Lumbar & Cervical Discal hernia, Ozone injections.*

Conferencia Plenaria

Bases científicas para el manejo del dolor con ozonoterapia

Froylán Alvarado Güémez

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En 1876, en Rusia, la Universidad Kazán B. Chemezov condujo investigaciones científicas acerca de la influencia del ozono en los tejidos de animales mediante su paso a través de tejidos celulares subcutáneos, observando en primer lugar una vasoconstricción, y a continuación un efecto vasodilatador, así como también la deshidratación y la inhibición de los nervios periféricos¹. La primera aplicación médica a gran escala fue su uso para el tratamiento de gangrena gaseosa postraumática en soldados alemanes durante la primera guerra mundial (1914-1918). Pero no fue sino hasta la década de 1950 que Joachim Hansler (1908-1981) fabricó un generador de ozono confiable para su uso en medicina, que ha servido de prototipo para los actuales generadores de ozono de uso médico².

Las investigaciones realizadas en el siglo XX sobre las propiedades del ozono demostraron que es capaz de reaccionar con la mayoría de las sustancias orgánicas e inorgánicas hasta su oxidación completa, y se estableció la influencia selectiva del ozono sobre las sustancias que poseen enlaces dobles y triples, que forman parte de la composición de los complejos lipoproteicos del plasma y de las bicapas de las membranas celulares. Las reacciones con estos compuestos fundamentan los efectos biológicos de la ozonoterapia y tienen un significado en la patología de diversas enfermedades³. El objetivo de este trabajo es tratar de explicar en base a una minuciosa revisión bibliográfica los distintos mecanismos que permitan explicar los efectos analgésicos y antiinflamatorios desencadenados por las aplicaciones terapéuticas del ozono^{4, 5,6,7,8,9,10} y se presentan una serie de casos clínicos de la práctica clínica del autor, de patología dolorosa de diversa etiología que ejemplifican estos mecanismos descritos.

1. *Guía para el uso médico del OZONO. Fundamentos terapéuticos e indicaciones.* Schwartz A., Kontorchnikova K, Malesnikov O. Aepromo 2011. P.4
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Key: PL3 SPA

Tipo de participación: Presentación oral. Revisión - Actualización.

Palabras clave: Oxygen-Ozone Therapy, Lumbar & Cervical Discal hernia, Ozone injections

Plenary lecture

Report from a Consulting room of pain treatment with non-conventional therapies

Antonio Corralero Romaguera (SPA). María del Valle Navajas Lopera ATS-DE

Introduction: Patients with various forms of pain during the period from January 2011 to December 2103. Grouped by pathology. Applying protocols designed for each pathology (ozone therapy, homotoxicology and orthomolecular nutrition).

Methods and materials: 450 patients with the following pathologies: Herniated disc (Lumbar, cervical, mixed) 102 (22.5%). Osteoarthritis (knee, shoulder and hip) 150 (33.3%). Tendon inflammation (shoulder, elbow, knee) 50 (11.1%). Hip bursa inflammation 6 (1.3%). Migraines 38 (8.4%). Fibromyalgia 22 (4.9%). Pain not classified 4 (0.9%) Dermal ulcers (varicose, diabetic) Candidiasis and Cancer 79 (17.6%). Specific protocol with ozone therapy (Autohemotransfusion, paravertebral, intra-articular). Homotoxic medication (Dr. Reckeweg, Heel) and orthomolecular nutrition (Nutergia, Orthomol), also in different pathologies the use of PRGF are protocolled. We prescribed between eight to ten sessions with a frequency at the beginning of two weekly going on a weekly or bi-weekly, by varying the number of sessions in cases such as ulcers, candidiasis or cancer.

Results: Rated by patients: decrease of pain, significant reduction or elimination of allopathic medication, increased mobility and general condition. The treatment was effective or very effective in 364 patients (80.8%). In 86 patients (19.2%) there were no positive results, however 63 patients in this group had abandoned the treatment before the fifth session.

Discussion: In our experience this type of treatment, with less aggressiveness and side effects in comparison with allopathic medicine, has obtained very encouraging results. We must continue studying different protocols.

Key: PL4 ENG

Type of Presentation: Oral Presentation.

Keywords: *Pain, Ozonotherapy, Homotoxicology, Plasma rich in platelet growth factors, orthomolecular nutrition*

Conferencia Plenaria

Memoria de una Unidad de tratamiento del dolor con terapias no convencionales

Antonio Corralero Romaguera (SPA). María del Valle Navajas Lopera ATS-DE

Introducción: Pacientes aquejados de distintas formas de dolor durante el periodo comprendido entre enero del 2011 a diciembre del 2103. Agrupados por padecimientos. Se aplican protocolos diseñados para cada patología (Ozonoterapia, Homotoxicología y Nutrición Ortomolecular).

Métodos y materiales: 450 pacientes con las siguientes patologías Hernia discal (Lumbar, cervical, mixta)102 (22,5%). Artrosis (Rodilla, hombro y cadera) 150 (33,3%). Tendinitis (Hombro, codo, rodilla) 50 (11,1%). Bursitis de cadera 6 (1,3%). Migrañas 38 (8,4%). Fibromialgia 22 (4,9%). Dolor no filiado 4 (0,9%) Misceláneas (Úlceras varicosas, diabéticas, Candidiasis, Cáncer) 79 (17,6 %). Protocolo específico con Ozonoterapia (Autohemotrasfusión, paravertebral, intraarticular). Medicación Homotóxica (Dr. Reckeweg, Heel) y Nutrición Ortomolecular (Nutergia, Orthomol), también en las distintas patologías está protocolizado el uso de PRFC . Se prescriben entre ocho y diez sesiones con una frecuencia al inicio de dos semanales pasando a una semanal y/o quincenal, variando el número de sesiones en casos como las úlceras, fibromialgia, candidiasis ó cáncer.

Resultados: Valorados por los propios pacientes: disminución de los dolores, reducción significativa o supresión de medicación alopática, aumento de la movilidad y estado general. El tratamiento fue efectivo o muy efectivo en 364 pacientes (80,8%). En 86 pacientes (19,2%) no hubo resultados positivos, sin embargo 63 pacientes de este grupo habían abandonado el tratamiento antes de la quinta sesión.

Discusión: En nuestra experiencia estamos ante un tratamiento que con, menos agresividad y efectos secundarios que los que ofrece la medicina alopática, obtiene resultados bastante esperanzadores. Hay que continuar profundizando en el estudio de los distintos protocolos.

Key: PL4 SPA

Tipo de participación: Presentación oral.

Palabras clave: Dolor, Ozonoterapia, Plasma rico en factores de crecimiento plaquetario (PRFC) Homotoxicología, Nutrición orto molecular.

Plenary lecture

Extracorporeal blood oxigenation and ozonization

Eugene I. Nazarov (UKR).

Asian-European Union of ozone therapists. Odessa.Ukraine. einazarov@hotmail.com

Hepatitis C can only be distinguished from other viral hepatic conditions by serological and virological determinations. Liver enzymes characteristically affected by HCV infection include serum alanine transesferase (ALT), aspartate aminotransferase (AST), gamma- glutamyl transpeptidase (GGTP), and alkaline phosphatase; in addition, there may be abnormalities in bilirubin, serum albumin, prothrombin time, and platelet density.

We used these parameters to evaluate the effectiveness of treatment. We used these parameters to evaluate the effectiveness of treatment. For the assessment of the treatment used, well-established in the clinic, estimates of fibrosis– FORNS, FIB-4,APRI,HALT-C, MDA

Key: PL5 ENG

Type of Presentation: Oral presentation.

Keywords: Hepatitis C, Extracorporeal blood oxigenation

Plenary lecture

Rheumatoid arthritis as chronic inflammatory process and the rationale of ozone treatment

Renate Viebahn-Hänsler

Medical Society for the Use of Ozone in Prevention and Therapy, Germany. Secretary's office: Nordring 8, D-76473 Iffezheim/Baden-Baden. E-mail: renaviebahn@t-online.de

In Rheumatoid Arthritis, as part of a complementary therapeutical concept, in addition to the conventional basic therapy ozone reveals its antiinflammatory activity by reducing chronic oxidative stress and by immunomodulation As shown in an animal model as well as in a clinical study oxidative stress is downregulated by intraarticular ozone injections as well as the crucial cytokines IL-1 and TNF- α **.

The regulation of the mRNA (IL-1 and TNF- α) again strengthen the mechanisms of action (low-dose ozone concept) on which the „guidelines of the use of medical ozone“ are based: being a strong oxidant itself, ozone interrupts the vicious circle of the inflammatory process via formation of „ozone peroxides“, reduction by cysteine residues and/or glutathion (GSH), -bypassing SOD and CAT consumption- signal transduction and regulation through Nrf2 (antioxidants) and NFkB (immunoregulation).

The pathological concentrations of stress-relevant parameters (H₂O₂, MDA malone dialdehyde, TH total hydroperoxide...) decrease significantly as well as IL-1, IL-6, TNF- α and as a consequence the clinical conditions improve and the drug consumption will be reduced.

*Office: Nordring 8, D-76473 Iffezheim/Baden-Baden

** Dranguet, León, Fahmy, Viebahn et al 2013

Key: PL6 ENG

Type of Presentation: Oral presentation. Review lecture.

Keywords: *Rheumatoid arthritis, chronic inflammation, „ozone, peroxides“, signal transduction, oxidative stress, Nrf2, antioxidant regulation, NFkB, immunomodulation, TNF- α /IL-1 messenger RNA.*

Plenary lecture

Treatment of lumbar disc herniation with ozone-oxygen guided by tomography

Iván Pacheco

Head of the trauma unit and ozone therapy of Porlamar, Margarita Island, Venezuela. Treasurer of the Venezuelan society of ozone therapy. Orthopedist.

Objective: This prospective study is to demonstrate that the percutaneous nucleolysis with oxygen - ozone is effective, and very safe for treatment of hernias of the lower lumbar segment that cause discogenic pain.

Materials and Methods : Prospective study of 85 patients with symptomatic lumbar disc herniation to whom there were performed a total of 85 percutaneous nucleolysis paraforaminal with O₂ -O₃ from June 2011 to June 2013, all nucleolysis were performed under control of tomographic guide, strict measures of asepsis and antisepsis, conscious sedation. All patients were administered O₂ -O₃ paraforaminal 20ug (5-10 ml) plus procaine at 2% and 1cc 40mg of steroidal crystals, all cases were administered 1GS of cefacidal as prophylaxis. The effectiveness of treatment is based on pain control by baseline visual analog scale (eva 0) , at 6 (Eva 1) , at 12 (Eva 3) and 24 months (Eve 6) and by the nucleolysis oswestry scale assessed before treatment and at the end of it. All patients were survey conducted at the first visit and after the end of treatment with satisfactory response.

Results: 85 percutaneous lumbar nucleolysis 85 patients were performed initial Eva was 7.78 + 0.99 and the evolution at 6, 12 months and 24 months was: 2.43 + 2, 19, 1.80 + 2.31 and 2.07 + 2.49. The initial rate of mild oswestry disability: 10%, moderate disability: 30%, severe disability: 58%, very severe disability: 2%. After mild disability was 1%, moderate disability: 6%, severe disability: 10%, very severe disability: 0% with a statistically significant reduction in all three cuts. None of the patients had adverse effects, in terms of satisfaction expressed by patients 61 for excellent (72%), 18 for good (21%), 6 regular for (7%).

Conclusions: Percutaneous nucleolysis with oxygen-ozone is safe and highly effective in the treatment of lumbar disc herniation pain by technique with discogenic pain.

Key: PL7 ENG

Type of Presentation: Oral Presentation.

Keywords: *nucleolysis, paraforaminal, oxygen - ozone.*

Conferencia Plenaria

Tratamiento de Síndrome de espalda fallida con discolisis percutánea más Bloqueo Peridural con oxígeno-ozono.

Iván Pacheco

Jefe de la unidad de traumatología y ozonoterapia Porlamar isla de margarita - Venezuela. Tesorero de la sociedad venezolana de ozonoterapia. Traumatólogo ortopedista.

Objetivo: Este estudio prospectivo es demostrar que la discolisis percutánea mas el bloqueo Peridural con oxígeno-ozono es efectiva, muy segura para disminuir el dolor producido por síndrome de espalda fallida.

Materiales y métodos: estudio prospectivo 45 pacientes con síndrome de espalda fallida a los que se realizo un total de 45 nucleolisis percutánea mas bloqueo Peridural con O₂-O₃ durante un periodo comprendido entre mayo 2012 a mayo del 2013 todas las discolisis se realizaron bajo control fluoroscopio con medidas de asepsia y antisepsia estrictas, sedación consciente. Todos los pacientes Se administro O₂-O₃ en disco y espacio Peridural 20ug (5-10 mL) más procaina al 2% mas 1cc de 40mg de cristales esteroideos, en todos los casos se administro 1gs de cefacidal como profilaxis. La eficacia del tratamiento se basa en el control del dolor según la escala visual analógica basal (eva0), a los 30 días(Eva 1), a los seis(Eva 3) y los 12 meses(Eva 6) Todos los pacientes se les realizo encuesta en la primera consulta y luego del final del tratamiento con respuesta satisfactoria.

Resultados: Se realizaron 45 discolisis percutánea lumbar mas bloqueo Peridural a 45 pacientes la Eva inicial fue de $7,78 \pm 0,99$ y la evolución al mes, a los 6 meses y a los 12 meses fue: $2,43 \pm 2,19$, $1,80 \pm 2,31$ y $2,07 \pm 2,49$. Ningún paciente presento efectos adversos en cuanto a la satisfacción expresada por los pacientes excelente para 24 (53%), bueno para 13(29%) y regular 8(18%).

Conclusiones: la cirugía de columna no siempre es exitosa; el 65% de todas las columnas operadas anualmente continúan con algún grado de dolor incapacitante se necesita una estrategia precisa y sin ambigüedades para su manejo, es muy importante prevenir cirugías inapropiadas, en cuanto sea posible.la respuesta a la discolisis percutánea con ozono es muy buena alternativa para el tratamiento de este síndrome tan temido.

Key: PL7 SPA

Tipo de participación: Presentación oral.

Palabras clave: Discolisis percutánea, oxígeno-ozono, bloqueo Peridural

Plenary lecture

Ozone therapy in penumbra area of ischemic cerebrovascular attacks

[Ozonoterapia en zona de penumbra de los ataques cerebrovasculares isquémicos]

Víctor Pereyra and Raúl Matera

Unidad de ozonoterapia Fundación Matera.

Introducción: Según la organización mundial de la salud el ataque cerebrovascular se define como la instalación aguda o rápida de signos clínico que reflejan una disfunción focal o global del cerebro de causa vascular. La tasa de incidencia anual que registran los principales estudios epidemiológicos en promedio son 200 casos nuevos por 100.000 habitantes por año. La tasa de prevalencia en el mundo es aproximadamente 500 a 700 por 100000 habitantes.

Diasquisis y penumbra Se define a las regiones del SNS con hipofunción como consecuencia de lesiones en otras regiones distantes unidas por conexiones nerviosas (deaferentación). Es un proceso reversible contralateral como la diasquisis cerebelosa cruzada DCC que desaparece a los pocos días no la lesión primaria. Lesión de células que envían sus axones desde aéreas isquémicas fenómeno conocido como muerte exofocal postisquemica.dentro del area de penumbra existen dos areas, una próxima a necrosarse cerca del centro donde la isquemia a sido severa y prolongada y otra periférica vecina al tejido sano que debe contribuir a la recuperación funcional . Duración de la penumbra. La ventana terapéutica es de 4-8 h para evitar la extensión dentro del infarto, asimismo las citocinas antiinflamatorias IL'1ra IL'6 se siguen elevando por 3 días material y métodos- Se efectuaron durante periodos 2006-2013 a 500 pacientes con ACV isquémico tratamiento con autohemoterapia dentro de la ventana terapéutica como 6'8 h etapa de reperfusión, 24h 17 días evitar extensión de área de necrosis e infarto final, 3 meses ventana de recuperación funcional. En todos se efectuaron controles seriados tomográficos, resonancia por difusión con O3 desde 2011-2013- Se valorizaron con escalas de AVC, índice de Barthel, escala de calidad de vida pos-infarto cerebral, escala de Rankin.

Resultados:

Los pacientes con ACV isquémico en etapa aguda dentro de las 24 h evidenciaron una notable mejoría de su déficit motor dentro de las 2 semanas de ictus, no se registraron lesiones crónicas a distancia diaquisis. Los pacientes con lesiones crónicas hasta 1 año mejoraron su déficit motor, no mejoraron su afasia pero cambio su nivel cognitivo.la resonancia por difusión nos permitió ganar horas al ictus y atacarlo intensivamente.

Key: PL8 SPA

Type of Presentation: Oral Presentation.

Keywords: isquemia, zona de penumbra, ozono.

Plenary lecture

Combination Therapy of Concentrate of Growth Factors (CGF) and Ozone: Its application in diabetic ulcers and in aesthetic medicine.

[Terapia combinada de Concentrados de Factores de Crecimiento Ozonizados Autólogos (CGF) y Ozonoterapia: Su aplicación en úlceras diabéticas y Medicina estética.]

Adriana Schwartz Tapia.

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Esta presentación tiene la intención de exponer la tecnología avanzada relacionada con el uso clínico de la combinación de ozono, Concentrado de Factores de Crecimiento Ozonizados (CGF) y Células CD34+ autólogos en diferentes procedimientos que pertenecen al campo de la dermatología, medicina estética y medicina vascular. Los tratamientos que emplean los concentrados de factores de crecimiento (CGF) mimetizan los eventos que se suceden durante el proceso fisiológico de cicatrización debido a la liberación de diversos factores de crecimiento. Al ser autólogo, la seguridad del procedimiento es alta. El CGF es un concentrado de factores de crecimiento que incluye: el factor transformante beta (TGF- β), factor de crecimiento del endotelio vascular (VEGF) y el factor de crecimiento derivado de plaquetas (PDGF) entre otros.

Objetivo. El presente trabajo tiene como propósito demostrar el efecto bioestimulador, cicatrizante y reparador del ozono y los factores de crecimiento en el tratamiento de diversas patologías tales como: psoriasis, acné, rosácea, quemaduras, cicatrices, corrección de arrugas, bioestimulación facial. Al mismo tiempo demostrar el efecto cicatrizante y reparador del ozono y los factores de crecimiento en el tratamiento de úlceras en el pie diabético, así como evaluar la prevención de la amputación del mismo con el uso de la ozonoterapia en combinación con los factores de crecimiento.

Métodos. Se realizó un estudio prospectivo, mono-céntrico, no aleatorizado en el que participaron 15 pacientes en un intervalo de edades de 45 a 62 años con pie diabético y afectación grados II y III según la clasificación de Wagner durante los meses de septiembre a diciembre del 2012; todos ellos fueron atendidos de forma ambulatoria. Se les administró ozono sistémico a dosis terapéuticas de 1.0, 1.5, 2.0 y 2.5 mg, 2 veces por semana por vía sanguínea (autohemoterapia); perilesional e intralesional una vez por semana a 5 μ g/ml; en bota a concentraciones de 80, 50, 30 μ g/mL. Una vez obtenido y asegurado el flujo sanguíneo a las partes distales por disminución de la PO₂ venosa y aumento de la PO₂ arterial, como también de la asepsia en el lecho de la úlcera mediante cultivo, se aplicaron concentrados de factores de crecimiento, células CD34 y plasmagel una vez por semana. Las administraciones se mantuvieron hasta que se logró granulación completa, o se alcanzó un máximo de 18 semanas de tratamiento. A los 10 días de tratamiento se confirmó la formación de tejido de granulación. Al mismo tiempo se trataron pacientes con diversas patologías dermatológicas, tales como el acné, rosácea, cicatrices post-acné, quemaduras a las cuales se le infiltraron Células CD34, CGFO3 y se corrigieron los defectos con Plasma Gel.

RESULTADOS: La diabetes mellitus tipo 2 representó el 85,7 %. El género femenino predominó, 71,5 %. El 85,8 % estuvo representado por el pie diabético neuroinfeccioso y el 69,1 % perteneció al grado 2 y 3 de la clasificación de Wagner. Entre las 16-18 semanas de tratamiento el 93,2 % presentó epitelización total a la aplicación del ozono y CGFO3. **CONCLUSIÓN:** El presente estudio demostró al ozono en combinación con los concentrados de factores de crecimiento ozonizados como un método eficaz y seguro para acelerar la curación de las úlceras del pie diabético y prevenir la necesidad de amputación. Al mismo tiempo se constató la mejora de las cicatrices tratadas, el rejuvenecimiento y vitalización de la piel.

Key: PL9 SPA

Type of Presentation: Oral Presentation

Key words: Factores de Crecimiento, CGF, ozono, úlcera, diabetes, pie diabético, plasma gel.

Plenary lecture

Arthrodiastasis and canalicular decompression, another effect of medical ozone

[Arthrodiastasis y descompresion canalicular, otro efecto del ozono medico]

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Desde 1.999 empleamos con éxito el Ozono Medico mediante infiltración en patologías osteoarticulares por sus efectos antioxidante, antiinflamatorio, entre otros. La artrodiastasis con fijador externo se viene empleando en patologías de tobillo, rodilla, enfermedad de Perthes, etc. Sola o asociada a sinovectomia y limpieza artroscópica. La distracción articular es una técnica comúnmente utilizada por cirujanos europeos para el manejo de artrosis de tobillo. La literatura ortopédica europea proporciona ejemplos de resultados quirúrgicos que evidencian cómo este procedimiento aumenta el margen de movimiento y disminuye los síntomas de dolor al caminar

Los Síndromes canaliculares comprenden el conjunto de manifestaciones neurológicas que aparecen por la compresión de un nervio en un canal o desfiladero anatómico. La causa más común es la falta de adecuación entre el continente (canal o desfiladero) y el contenido (nervio). El termino descompresión abierta se emplea en el tratamiento de estos síndromes.

En este trabajo vamos a compartir nuestra experiencia en el tratamiento de las artrosis y de los síndromes canaliculares con infiltraciones con Ozono Medico, demostrando con imágenes el efecto artrodiastasis, sobre todo en articulaciones herméticas como el tobillo, la metatarso-falángica primera, la radio-humeral, entre otros. E igualmente el efecto de descompresión cerrada en los Síndromes canaliculares. Este efecto sumado al antiinflamatorio explica la mejoría de estas patologías

Key: PL10 SPA

Type of Presentation: Oral Presentation.

Key words: Síndromes canaliculares, ozono, artrodiastasis.

Plenary lecture

Caudal and Epidural Ozone Injections in Low Back Pain Cases

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Direct ozone injection is widely used in pain management. Discal hernias, protrusion, facet joint pain problems mostly can be treated by direct ozone injections. But spinal stenosis cases usually and some of discal hernia cases do not benefit from those treatments. In conventional medicine corticosteroids and analgetic drugs are injected into sacral hiatus to treat the patients of that problem. In the same manner can medical ozone be injected to the same area that do not benefit from other conventional or ozone therapy injections.

OBJECTIVES: To assess the feasibility and safety of caudal epidural medical ozone injections.

METHODS: We studied 30 patients with low back pain and nerve root pain related to disk herniation or associated with lumbar spinal stenosis. A caudal epidural medical ozone injection was performed. Acceptability of the procedure by the patient was assessed. Adverse events occurring immediately after the procedure and within the first month were collected.

RESULTS: After 24 hours, pain relief was seen in all the patients except one. After 3 weeks, symptomatic improvement was seen in 97.5% of the cases, with good results in 65% and fair results in 32.5%. After 6 months, symptomatic improvement was seen in 67.5% of the cases with good results in 47.5% and fair results in 20% of the patients. No major complications were observed. It is concluded that caudally administered medical ozone injections are a safe and effective modality of treatment in lumbar spinal stenosis with good results in short term and possibly long term in some patients.

CONCLUSION: Sacral Hiatus Medical Ozone injection is a fast, easy-to-perform, well accepted procedure.

Key: PL11 ENG

Tipo de Presentación: Oral Presentation. Review lecture.

Key words: Ozone, Ozone Therapy, Back Pain, Low Back Pain, Sacral Hiatus Injection, Spinal Stenosis, Discal Hernia

Plenary lecture

Ozone Sauna.Can we use it in medicine?

Saltuk Aytacoglu

Background: Aim of this work was to find out if it would worth to combine moist steam cabinet with ozone therapy technique.

Methods: Different hot steam bath modalities were resurged with ozone sauna applications mainly on cosmetics, premenstrual syndrome (PMS), obesity and pain to observe if ozone sauna would have an effect on the quality of life according to a verbal scale; "not good", "good", "very good". Ozone sauna was applied as a quasi-total-body exposure, 1lt/hour, 0.5 gr/hour ozone. The inside temperature was kept between 42- 45 °C. Duration was 20-35 minutes. Humidity was 100%.

Results: After 6 sessions, 2/week, the skins became like "silk" cosmetically. In PMS, change in the quality of life was good in 10/12 patients and very good in 2/12. 1/14 had no difference. 11/14 denoted good results and 2/14 denoted very good results in the pain group. All obesity group patients (9/9) had good results.

This small numbered observational study (no statistics) puts forward nominally the beneficial outcomes of the combination therapy of steam cabinet and ozone generator in above mentioned groups of patients according to a verbal scale in terms of increased quality of life, indicating to enhanced results that would not have been obtained by our modern medicinal applications. The oncologic patients are predicted to benefit from this concept as well.

Conclusion: My favorable personal experience with the combination of these two procedures inculcates investigations with oncologic patients with higher subject numbers will have a lot to add to this concept over time.

Key: PL12 ENG

Tipo de Presentación: Oral Presentation. Review lecture.

Key words: ozone therapy, ozone sauna, complementary medicine, oncology

Plenary lecture

Adaptogenic theory of ozone therapy. Why as a result of exchange rate system procedures, ozone therapy normalize the biochemical and physiological characteristics of an organism?

Eugeni I. Nazarov

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We know that the pharmacological activity of the ozone in its systemic administration has an homeostatic, normotrophic effect and it is a powerful organic modulator. It reduces the high biochemical values and raises the minors, this is what we call Homeostasis. The normotrophic effect of ozone is very effective, especially in the encephalic vascular blood flow, as the work of Dr Clavo demonstrated. It improves the speed of blood flow and its metabolism of the oxygen.

The ozone can induce an adaptation to oxidative stress or to a preconditioning oxidative state with controlled doses and with repetitive stimuli. Thus, it stimulates endogenous antioxidant mechanisms, preparing the host to face physiopathological conditions mediated by reactive oxidative species of oxygen (ROS). This work shows the positive dynamics of the psychosomatic condition of the patients after finishing several repetitive ozonotherapy cycles. The organism is revitalized and reduces its processes of aging caused by the proper processes of oxidation of the organism.

We developed, based on the adaptogenic hypothesis of the ozone a software program specially designed to measure the efficacy and the impact of repetitive cycles of ozonotherapy (every 4-5 months) in the organism, monitoring markers such as the estimated age of the patient according to psychological tests, counts of leukocytes and hormonal markers that behave in different form under the systemic influence of the ozone.

My sincere thanks to prof. C.N.Kontorschicova, prof. Nabil Mawsouf, prof.Nurettin Lulechi, Dr. Ruchi Cakir, Dr.Veronika Vongai and Dr Adriana Schwartz for helpful comments and discussions.

Key: PL13 ENG

Tipo de Presentación: Oral Presentation.

Key words: adaptative system, Software O₃ navigatore, aging, ozonotherapy, revitalization

Conferencia Plenaria

Teoría del efecto adaptogénico del ozono sistémico. ¿Porqué el ozono normaliza parámetros bioquímicos y fisiológicos?

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Sabemos que la actividad farmacológica del ozono en su administración sistémica tiene un efecto homeostático, normotrófico y modulador orgánico potente. Los valores bioquímicos altos los reduce y los menores los eleva, es lo que llamamos Homeostasis. El efecto normotrófico del ozono es muy eficaz, especialmente en el flujo sanguíneo vascular encefálico, como lo demuestra el trabajo del Dr Clavo. Mejora la velocidad de flujo sanguíneo y su metabolismo del oxígeno.

El ozono puede inducir una adaptación al estrés oxidativo o a un preconditionamiento oxidativo a dosis controladas con estímulos repetitivos. De esta forma estimula mecanismos antioxidantes endógenos, preparando al huésped a enfrentar condiciones fisiopatológicas mediadas por especies reactivas del oxígeno. Este trabajo muestra la dinámica positiva de la condición psicosomática de los pacientes después de finalizar varios ciclos de ozonoterapia. El organismo se revitaliza y reduce los procesos de envejecimiento causados por los procesos de oxidación propios del organismo.

Se desarrolló, basado en la hipótesis adaptogénica del ozono un programa software, especialmente diseñado para medir la eficacia e impacto de ciclos repetitivos de ozonoterapia (cada 4-5 meses) en el organismo, monotorizando marcadores tales como la edad estimada del paciente según pruebas psicológicas, conteos de leucocitos y marcadores hormonales que se comportan de forma diferente bajo la influencia sistémica del ozono.

Mis sinceros agradecimientos a la profesora C.N.Kontorschicova, Dr. Nabil Mawsouf, Dr. Nurettin Lulechi, Dr. Ruchi Cakir, Dr.Veronika Vongai and Dr Adriana Schwartz por sus valiosas aportaciones.

Key: PL13 SPA

Tipo de participación: Presentación oral.

Palabras clave: adaptative system, Software O₃ navigatore, aging, ozonetherapy, revitalization

Plenary lecture

Why ozone therapy in multiple sclerosis?

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Multiple sclerosis (MS) is a disease characterized by chronic inflammation and selective destruction of myelin in the central nervous system. The multifocal scarring typical of this disease are called plaques. It should be emphasized that the most obvious results were obtained in patients with relapsing-remitting MS, and were more nuanced in those suffering from a progressive primary / secondary, characterized by chronicity of symptoms and relief of major changes in the brain parenchyma and medullary. This improvement is manifested clinically by a recovery more or less evident depending on the severity, depending, that is, if the inflammatory lesion is still confined to the white matter or gray matter interest already, and chronicity of the disease state reached.

The clinical observations of patients treated enable us to state that the current tables of disability (FIM Ashwort ...) do not provide for the gradual enough to highlight the benefits of ozone, which also appear to significantly improve the quality of life of patients. Our clinical results are consistent with the proposed objectives.

The Ozone, because of its actions referred to above, is a valid therapy for the pathophysiological changes and symptoms in the MS where it can make a significant improvement in the quality and expectancy of life, with no side effects and low cost therapeutic intervention. We believe that his association with the commonly used treatment protocols may improve clinical outcomes with a lower incidence of side effects. In addition, ozone therapy could represent a real therapeutic alternative for patients who can not be subjected to traditional drug treatment.

Key: PL14 ENG

Tipo de Presentación: Oral Presentation.

Key words: Multiple sclerosis, ozone.

Plenary lecture

Cardioprotective effects of ozone oxidative preconditioning in an in vivo model of ischemia/reperfusion injury

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This study was designed to investigate the cardioprotective effects of ozone oxidative preconditioning in myocardial ischemia/reperfusion (I/R)-induced hemodynamic, biochemical and histological changes in rats. Rats were randomly assigned into 5 groups. Groups 1 and 2 were normal and I/R groups, respectively. The other groups received rectal insufflations either ozone (0.3 mg/kg/day in 1st week followed by 0.5 mg/kg/day in 2nd week) or ozone (0.6 mg/kg/day in 1st week followed by 1 mg/kg/day in 2nd week). The last group received oxygen vehicle. Rats were then subjected to myocardial I/R (40min/10min). Heart rates and ventricular arrhythmias were recorded during I/R progress. At the end of reperfusion, plasma creatine kinase-MB (CK-MB) and total nitrate/nitrite (NO_x) were determined. In addition, lactate, adenine nucleotides, thiobarbituric acid reactive substances (TBARS), reduced glutathione (GSH) and myeloperoxidase (MPO) activity were estimated in the left ventricle of heart. Finally, histological examination was performed to visualize the protective cellular effects of ozone oxidative preconditioning. Only higher ozone therapy showed little protective effect against ventricular arrhythmias and was able to counteract the state of oxidative stress and normalize elevated MPO activity and plasma NO_x. Moreover, higher ozone therapy was more effective in attenuating CK-MB release, lactate accumulation and improving energy production. It seems that both doses of ozone therapy were equally protective against cell membrane damage. However, higher ozone therapy was better in improvement of intracellular acidosis, energy production, oxidative stress, leukocytic infiltration. Histological examination revealed also better improvement by higher dose of ozone therapy.

Key: PL15 ENG

Tipo de Presentación: Oral Presentation.

Key words: Arrhythmias, Ischemia, Ozone, Preconditioning, Reperfusion.

Plenary lecture

Success story of ozonucleolysis in disc lesions in Pakistan

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BACKGROUND AND PURPOSE: Direct injection of Oxygen-Ozone in to the discs has proved to be the effective alternative for surgery in patients with disc herniation in many countries around the world. We report our experience with ozonucleolysis with patients effected by lower backache, sciatica and pain cervical region (Brachalgia) due to disc herniation including post operative recurrence or disc prolapse.

MATERIAL &METHODS:ElevenThousand &Two Hundred patients were treated with single two multiple sessions of Oxygen Ozone therapy. All the patients had CT or MRI evidence of annulus tear/ disc prolapse with clinical signs of nerve root compression. The procedure was performed under angio fluoroscopy using 22/23 G spinal needle without any form of anesthesia. All the patients received intra discal injection of Oxygen Ozone mixture with and without periganglionic infiltration at an ozone concentration 30 Ugm/ml. Among these patients7000 were males and 4200 were females between the age of 20-80 years. Therapeutic outcome was assessed 5 months after treatment by using modified MacNab method.

RESULTS: A satisfactory therapeutic outcome was obtained. 55% of the patients showed complete recovery with resolution of symptoms. 20% of the patients complained of occasional episodic pain and with no limitation of occupational activity. 15% of cases showed insufficient improvement. 5% of cases had insufficient improvement and went for surgery. 10% of cases never turned up after the first visit.

CONCLUSION: Intradiscal with and without periganglionic injection of Ozone for herniated discs has revolutionized percutaneous approach to nerve root diseases making it safer, cheaper and easier to repeat than treatments currently use in Pakistan.

Key: PL16 ENG

Tipo de Presentación: Oral Presentation.

Key words: Ozone, hernia disk.

Plenary lecture

A substitute of the Fluor. The protective ozone in the oral cavity

Nora Bazzano

Odontóloga. IAOHD, AMAOO

Fluoride is added to the water supply of most American cities and many others countries, for the ostensible purpose of dental hygiene and remineralization. But we was be amazed to find out that such a thing is not only unlikely, but actually the reverse of the ongoing reality. Those countries have been fluoridating drinking water for so many decades that we hardly think about it. they don't have better dental health. Very few articles appear about fluoridation in newspapers and magazines anymore. The reason: that fluor is not good for what we are using. Suddenly, researchers, found out that fluoride was not safe at all, but was worse, they found out that fluoride doesn't stop tooth decay at all and causes teeth to rot and crumble, and the excess ,by the same mechanism also causes osteoporosis, cancer and damage to the pineal gland.

We need to found other way to have healthy teeth and bone, for our patients. The concept of dental caries has changed in the last decade. Investigations into the deepest molecular processes have disclosed the exquisite mechanism of physiological demineralisation and remineralisation that takes place daily in oral hard tissues. Decay starts as a metabolic imbalance, shifted towards acidity and demineralisation. Dental plaque is the medium in which this process develops. In such an environment acidophilic and acidogenic bacteria develop this 'ecological niche' and new methods to stop caries.

Ozone has the effect, through its powerful oxidizing properties, of not only removing the protein protection and being bactericidal, but also oxidizing the biomolecules that allow the niche to survive and expand. This has a severely disruptive effect on the bacterial population in the carious lesion and obliterates the cariogenic bacteria and their ecological niche, thereby swinging the equilibrium in favors of re-mineralisation. No more acid can be produced within the lesion when the acid-producing bacteria are eliminated. The precision of treatment consists in the high oxidative action on substrates and bacteria; realism of treatment is supported by the very rapid kinetics of ozone oxidative reactions, and by the long lasting effects of remineralisation, the ozone therapy has potentially a major part to play in the prevention and treatment of dental caries.

What is the reason to use toxics products like fluor if we have a non invasive ozone treatment for oral and dental pathologies? Ozone has been shown to be safe and clinically to be effective in the management of caries and other oral pathologies.

Key: PL17 ENG

Tipo de Presentación: Oral Presentation.

Key words: Fluoride, Ozone, dental, re-mineralization, carie, toxicity- safe.

Conferencia Plenaria

Un sustituto del Flúor. El Ozono protector de la cavidad oral

Nora Bazzano

Odontóloga. IAOHD, AMAOO

El fluoruro se agrega al suministro de agua en la mayoría de ciudades de Estados Unidos y muchos otros países, con el propósito ostensible de higiene y remineralización dental. Pero nos sorprendimos al descubrir que eso no ocurre sino todo lo contrario. Esos países que han fluorado el agua potable durante tantas décadas, y lo pensamos fehacientemente, no han mejorado la salud dental. Llama la atención que son muy pocos los artículos que aparecen sobre la fluoración en los periódicos y revistas, actualmente: La razón " el flúor no es bueno para lo que estamos utilizando "...

Los investigadores descubrieron que el fluoruro no era seguro en absoluto, pero era aun peor, se enteraron de que el flúor no detiene la caries dental en absoluto y hace que los dientes se deterioren y se destruyan, y por el mismo mecanismo también causa osteoporosis y como si fuera poco el exceso produce algún tipo de cáncer y daño en la glándula Pineal. Necesitamos encontrado otra manera de tener dientes y huesos, sanos en nuestros pacientes.

El concepto de la caries dental ha cambiado en la última década. Las investigaciones sobre los procesos moleculares más profundos han revelado el delicado mecanismo de desmineralización fisiológica y remineralización que tiene lugar todos los días en los tejidos duros orales. La caries comienza como un desequilibrio metabólico, el medio interno se desplazó hacia la acidez y eso lleva a la desmineralización. La placa dental (biofilm) es el medio en el que se desarrolla este proceso y es acidófilo como el medio ambiente y las bacterias acidogénicas construyen su "nicho ecológico" por destrucción de calcio y fosforo del esmalte. Los nuevos métodos para detener la caries, tienen que ser encontrados en una etapa temprana en el desarrollo de una lesión de caries.

El ozono tiene el poder a través de sus potentes propiedades oxidantes, no sólo de neutralizar la acidez y de ser bactericida, pero también oxidar las biomoléculas del nicho y este no puede sobrevivir ni expandirse. Y se reinicia la remineralización. No más ácido se puede producir dentro de la lesión cuando se eliminan las bacterias productoras de ácido. La muy rápida cinética de las reacciones oxidativas del ozono, y los efectos prolongados de la remineralización diaria tiene potencialmente un papel importante en la prevención y el tratamiento de la caries dental.

¿Cuál es la razón para utilizar productos tóxicos como el fluor, si tenemos un tratamiento no invasivo de ozono para las patologías orales y dentales? El ozono ha demostrado ser seguro y clínicamente eficaz en el tratamiento de la caries y otras patologías orales.

Key: PL17 SPA

Tipo de participación: Presentación oral.

Palabras clave: Flúor, ozono, remineralización dental, caries, toxicidad, seguridad del ozono.

Plenary lecture

Clinical Applications of Ozone in the Dental Clinic, a USA perspective

Mark T Weiser

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Background: Ozone has a number of biological effects, such as bactericidal, fungicidal and kills viruses. It also improves blood circulation, increases capacity of oxygen absorption in the erythrocytes, and activates the antioxidant defense systems. Ozone has healing, disinfecting and or sterilizing, properties as well.

Methods: This oral presentation will show us the dental uses of ozone, from oral hygiene, to implant and bone healing, from periodontal disease therapy to tooth whitening, its uses in endodontic treatment and tooth remineralization and desensitization. Ozone has an important role in the clinical management of disease, infection control and wound management, with implications for the rest of the human body. Dr Weiser will also show the various ozone equipment available in the USA and ancillary products used to support optimal healing.

Results: A review of the literature shows the effective and predictable eradication of infectious organisms when exposed to ozone. Dr Weiser will show you the various applications of ozone in the dental clinic using the different forms, gas, oil, and water. In dental care, this has resulted in the stopping the progression of periodontal disease, effective bacteria kill for endodontics, and changing the biochemistry of tooth structure which results in remineralization and many times desensitization. Some studies have shown effective infection control and wound healing, using ozone. This can lead to decreased time in the dental chair, reduced post operative pain and possible reduced cost of medications needed.

Conclusions: Ozone has certainly played a significant role either primary or secondarily in stopping dental disease and creating an environment for optimal healing. The various forms of ozone used each play a role in treatment in the dental opertory. Dr Weiser will show what equipment and delivery systems people in the USA are using and protocols for use, and will show how incorporating this technology into everyday procedures can produce excellent results making treatment outcomes more predictable.

Key: PL18 ENG

Tipo de Presentación: Oral Presentation.

Key words: Ozone, dental uses, dental disease.

Plenary lecture

Plant-derived products in the treatment of HIV; a novel approach to treating this disease

Julian Holmes

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HIV has been intensively studied in Sub-Sahara Africa due to its high infection rate, the inability to find a pharmaceutical 'cure', and the high morbidity and mortality associated with this disease. HIV is a viral infection that has no boundaries; it affects all ages, economic status, races and is found throughout the world. This disease has spread to every country in the world and in some of those, infection rates exceed 20%. Some agricultural-based communities have lost two or more generations of subsistence farmers, leaving communities totally dependent on outside food and financial aid. A number of pharmaceutical treatment modalities and nutritional support programmes have been developed since the 1980's but to date, no simple or low-cost treatment options are available. In two previous studies, a statistically significant change in the viral loading and CD4 cell count was noted within 30-days with plant-derived products including ozonated plant oils.

Methods: 40 subjects were enrolled into a privately-funded clinical trial in Western Cape, South Africa. Suitable subjects were counselled and consent obtained. No financial inducement was offered. Each subject was provided with products 'V-221' (containing 1,2,4-trioxolanes) and 'SO-270' (containing whole-plant product), syringes, remanolation tips, and instructions. Each subject was reviewed at 15 and 30 days. Viral loading, T-Cell and CD4 cell counts were established at the trial start and completion.

Results: 2 subjects failed to return. No unwanted side effects were reported or noted. The results show a significant difference at the $p=0.1$ level of both viral loading and CD4 cell count after 30 days treatment. A synergistic effect of 'V-221' and 'SO-270' was observed, with an increased reduction of viral loading and increased T-Cell and CD4 cell counts ($p=0.1$ level) when compared to previous studies.

Conclusions: This study reported a statistically significant reduction in the viral loading and elevated T-Cell & CD4 cell counts in this 30-day trial, and a synergistic effect of two novel products containing plant-derived extracts. These products can be grown in South Africa & support local agricultural communities; the products are cost effective, support the body's own immune system and the delivery system is well tolerated. Further research is needed to establish the pharmacokinetics of the extracts used.

Key: PL19 ENG

Tipo de Presentación: Oral Presentation.

Key words: Plant-derived products, HIV, CD34

Plenary lecture

Advances in dentistry and ozone therapy, effect of gaseous ozone in *Enterococcus faecalis* biofilms, in vitro study

Viviana Clelia Lüdi Etchevarren; Pérez Estevez, Antonio; Seoane Prado, Rafael; Ruiz Piñón, Manuel; Ledesma Lüdi Yanina; Pérez Olmedo, Juan Carlos.

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The aim of our study was to evaluate the bactericidal capacity of the gas ozone against *Enterococcus faecalis* biofilm. Biofilms were generated in vitro in 0.5 mL eppendorf tubes from a 50mL culture of *Enterococcus faecalis* in Brainheart Infusion (0.5 Mc Farland) grown aerobically at 37 ° C for 7 days. 4 positive controls and 11 treated with 20 mL of ozone gas (20 µg / mL) for 60 s: 15 samples were made. Then the viability of biofilm bacteria by the counting method was tested CFUs. Ozone gas was inflated with a utility model in a micro perforated needle (developed and patented by us) that exploits the ozone physicochemical properties especially for dentistry, as a producer of ozone gas appliances intended for human medicine was used. As a result a strong decrease in the number of viable cells from biofilms treated with ozone gas compared with untreated control biofilms was observed. According to the Fisher F test the differences were statistically significant ($p < 0.01$).

The literature emphasizes that the bactericidal effectiveness of ozone is very dependent on the ozone concentration and mode of application of gas. The present study demonstrates the effectiveness of a method that uses a computer to get a higher concentration of ozone, compared to systems that use ambient oxygen normally used in dentistry and a system output versus the standard needle micro perforated single output system apical.

Key: PL20 ENG

Tipo de Presentación: Oral Presentation.

Key words: Ozone, *Enterococcus faecalis*, biofilms, disinfection

Conferencia Plenaria

Avances en odontología y ozonoterapia, efecto del ozono gaseoso en biopelículas de enterococcus faecalis, estudio in vitro

Viviana Clelia Lüdi Etchevarren; Pérez Estevez, Antonio; Seoane Prado, Rafael; Ruiz Piñón, Manuel; Ledesma Lüdi Yanina; Pérez Olmedo, Juan Carlos.

Lüdi Etchevarren, Viviana Clelia, Tutora Clínica de Patología y Terapéutica Dental II de la USC¹; Pérez Estevez, Antonio, técnico de investigación, Departamento de microbiología de la USC; Seoane Prado, Rafael, Catedrático del Departamento de Microbiología USC; Ruiz Piñón, Manuel, Profesor asociado de Patología y Terapéutica Dental II de la USC; Ledesma Lüdi Yanina, Tutora Clínica de la Unidad de Cirugía de la USC; Pérez Olmedo, Juan Carlos, Ozonoterapeuta licenciado en Medicina y Cirugía. Clínica Dental Socorro, Avda. Gutierrez Mellado 11-4º-A, Pontevedra, España, Tel. 0034-986-855489, vivianaludi@hotmail.com

El objetivo de nuestro estudio fue valorar la capacidad bactericida del ozono gas frente a biopelículas de *Enterococcus faecalis*. Las biopelículas se generaron *in vitro* en tubos eppendorf de 0.5mL a partir de 50µL de un cultivo de *Enterococcus faecalis* en BrainHeart Infusion (0.5 Mc Farland), crecidos aeróbicamente a 37°C durante 7 días. Se hicieron 15 muestras: 4 controles positivos y 11 tratadas con 20 mL de ozono gas (20 µg/mL) durante 60 s. A continuación se comprobó la viabilidad de las bacterias de las biopelículas por el método de conteo de CFUs. El ozono gas fue insuflado con un modelo de utilidad de una aguja microperforada (desarrollada y patentada por nosotros) que aprovecha las propiedades físico-químicas del ozono especialmente para odontología; como productor de ozono gas se utilizó aparatología destinada a medicina humana.

Como resultado se observó una fuerte disminución del número de células viables procedentes de las biopelículas tratadas con ozono comparadas con las biopelículas control no tratadas. Según la prueba F de Fisher las diferencias encontradas resultaron ser estadísticamente significativas ($p < 0.01$).

La bibliografía destaca que la efectividad bactericida del ozono es muy dependiente de la concentración de ozono y del modo de aplicación del gas. El presente estudio demuestra la eficacia de un método que utiliza un equipo que consigue una concentración superior de ozono, frente a los sistemas de aprovechamiento del oxígeno ambiental normalmente utilizados en odontología, y un sistema de salida de aguja multiperforada frente al habitual sistema de salida única apical.

Key: PL20 SPA

Tipo de participación: Presentación oral.

Palabras clave: Ozono, *Enterococcus faecalis*, biopelículas, desinfección

Plenary lecture

The therapeutic value of ozonotherapy

Velio Bocci, Ph.D.

Department of Physiology at the University of Siena, Italy

The biochemical, immunological, molecular and pharmacological mechanisms of action of ozone, when at the appropriate very low concentrations, has dissolved in the water of human plasma, have been fully clarified. Ozone acts simply as a pro-drug because, after dissolving very rapidly into the plasma water (49 ml per 100 ml of water at 20°C), owing to its very high reactivity (oxidation potential: 2.07 V), just before the infusion of the ozonated blood into the donor patient, totally disappears after having generated two crucial mediators: H₂O₂ and two molecules of alkenals. These are the mediators able to firstly stimulate several biochemical reactions on blood cells and then on a great numbers of body cells.

This stimulation is essential for explaining the therapeutic activity of ozonotherapy. This is due to the upregulation of synthesis and release of a variety of crucial antioxidants and phase-2 proteins, which can reverse the chronic oxidative stress aggravating several chronic diseases. These are: the chronic limb ischemia, the AR-macular degeneration, the COPD, the diabetes type-II and possibly chronic nephropaties and even multiple sclerosis. Small clinical trials have already clarified that ozonotherapy, used as an integrative treatment of orthodox drugs can re-establish a correct redox system markedly improving the patient prognosis.

The conclusion is that ozonotherapy is able to induce healing via the body cell response to a mild oxidative stress primarily caused by well-tolerated low ozone dosages

Key: PL21 ENG

Type of Presentation: Oral Presentation. Review lecture.

Key words: oxygen-ozone therapy, antioxidant enzymes, ozone dosages.

Plenary lecture

Molecular basis of the effects of ozone. New advances

Gregorio Martínez-Sánchez:

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The Nuclear factor, Nrf2 is a master transcription factor that regulates EpRE or antioxidant response element (ARE) or human antioxidant response element (hARE) in human, mediated expression genes encoding antioxidant enzymes and cytoprotective proteins to cellular stresses. These Nrf2-regulated genes can be classified into phase II xenobiotic-metabolizing enzymes antioxidants, molecular chaperones, DNA repair enzymes, and anti-inflammatory response proteins, thereby reducing reactive compounds such as electrophiles and free radicals to less toxic intermediates whilst increasing the ability of the cell to repair any damage ensued. Importantly, Nrf2 has been shown to possess an EpRE sequence within its own promoter region providing a platform for Nrf2 to initiate its own transcription further enhancing the adaptive cell defense response.

Recent studies suggest that the sequence context of the EpRE, the nature of the chemical inducers, and the cell type are important for determining the activity of the enhancer in a particular gene. The evidence of the EpRE pathway was observed also for some xenobiotics modulating the regulation of Phase I and Phase II drug-metabolizing enzymes. Nrf2 is a powerful protein located within each cell in the body and it is activated by an Nrf2 activator. Once released it migrates into the cell nucleus and bonds to the DNA at the location of the EpRE which is the master regulator of the entire antioxidant system located in all human cells. We know that excessive free radicals induce better antioxidant production through this pathway, but the question is: ozone also does? It seems that *ex vivo* it does. However what does occur *in vivo* in the patient's blood? Is ozone able to induce and trigger throughout Nrf2 the production of thousands of antioxidant molecules, providing far better protection against the brain and total body damaging effects from free radicals?

Key: PL22 ENG

Type of Presentation: Oral Presentation.

Keywords: *ozone, ozone therapy, Nrf2, nuclear factor erythroid 2, Autohemotherapy, EpRE, electrophile-responsive element*

Plenary lecture

The regulation of oxidative stress in the ozone therapy. Comparison with other therapies and frequent situations

Manuel Gómez Moraleda

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Some of the main mechanisms and biological phenomena related to the generation of oxidative stress in humans are exposed. Also the relative intensity of these phenomena and some of the most important mechanisms of antioxidant response are discussed.

Results of oxidative stress measurements published by different authors, referring to different types of populations and subpopulations are presented. These results are discussed and compared to each other.

Results of a comprehensive analysis of data from numerous studies published in the international literature on oxidative stress in subpopulations that develop or are exposed to different activities and/or suffering from different diseases, and their antioxidant reaction under these conditions are exposed.

It is shown the effect on oxidative stress and antioxidant response of biological systems to the application of different oxygenating therapies protocols. These are compared with the results of the of ozone therapy treatments.

It is concluded that ozone therapy is much more beneficial and safer than other procedures.

Key: PL23 ENG

Type of Presentation: Oral Presentation.

Key words: ozone therapy, oxidative stress, antioxidant response, treatments

Conferencia Plenaria

La regulación del estrés oxidativo en la ozonoterapia. Comparación con otras terapias y situaciones frecuentes

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Se exponen algunos de los mecanismos y fenómenos biológicos principales relacionados con la generación de estrés oxidativo en humanos. También se discute la intensidad relativa de estos fenómenos y la de algunos de los más importantes mecanismos de respuesta antioxidante.

Se presentan resultados sobre las mediciones de estrés oxidativo publicadas por diferentes autores, referidas a diferentes tipos de poblaciones y subpoblaciones. Estos resultados se comentan y comparan entre ellos.

Se exponen resultados de un amplio análisis sobre los datos de numerosos trabajos publicados en la literatura internacional, acerca del estrés oxidativo en subpoblaciones que desarrollan o están expuestas a diferentes actividades y/o que padecen de diferentes patologías, y su reacción antioxidante en estas condiciones.

Se muestra el efecto sobre el estrés oxidativo y la respuesta biológica de los sistemas antioxidantes frente a la aplicación de diferentes protocolos de terapias oxigenantes. Estos se comparan con los resultados de los tratamientos de ozonoterapia.

Se concluye que la ozonoterapia resulta mucho más beneficiosa y segura que otros procedimientos.

Key: PL23 SPA

Tipo de participación: Presentación oral.

Palabras clave: ozonoterapia, estrés oxidativo, respuesta antioxidante, tratamientos

Plenary lecture

Treatment of lumbar disc herniation with ozone-oxygen guided by tomography

Iván Pacheco (VEN)

Head of the trauma unit and ozone therapy of Porlamar, Margarita Island, Venezuela. Treasurer of the Venezuelan society of ozone therapy. Orthopedist.

Objective: This prospective study is to demonstrate that the percutaneous nucleolysis with oxygen - ozone is effective, and very safe for treatment of hernias of the lower lumbar segment that cause discogenic pain.

Materials and Methods : Prospective study of 85 patients with symptomatic lumbar disc herniation to whom there were performed a total of 85 percutaneous nucleolysis paraforaminal with O₂ -O₃ from June 2011 to June 2013, all nucleolysis were performed under control of tomographic guide, strict measures of asepsis and antisepsis, conscious sedation. All patients were administered O₂ -O₃ paraforaminal 20ug (5-10 ml) plus procaine at 2% and 1cc 40mg of steroidal crystals, all cases were administered 1GS of cefacidal as prophylaxis. The effectiveness of treatment is based on pain control by baseline visual analog scale (EVA 0) , at 6 (EVA 1) , at 12 (EVA 3) and 24 months (EVA 6) and by the nucleolysis oswestry scale assessed before treatment and at the end of it. All patients were survey conducted at the first visit and after the end of treatment with satisfactory response.

Results: 85 percutaneous lumbar nucleolysis 85 patients were performed initial Eva was 7.78 + 0.99 and the evolution at 6, 12 months and 24 months was: 2.43 + 2, 19, 1.80 + 2.31 and 2.07 + 2.49. The initial rate of mild oswestry disability: 10%, moderate disability: 30%, severe disability: 58%, very severe disability: 2%. After mild disability was 1%, moderate disability: 6%, severe disability: 10%,very severe disability: 0% with a statistically significant reduction in all three cuts. None of the patients had adverse effects, in terms of satisfaction expressed by patients 61 for excellent (72%), 18 for good (21%), 6 regular for (7%).

Conclusions: Percutaneous nucleolysis with oxygen-ozone is safe and highly effective in the treatment of lumbar disc herniation pain by technique with discogenic pain.

Key: PL24 ENG

Type of Presentation: Oral Presentation.

Key words: nucleolysis, paraforaminal, oxygen - ozone

Conferencia Plenaria

Tratamiento de hernias discal lumbar con oxígeno-ozono guiada con tomografía

Iván Pacheco (VEN)

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Objetivo: este estudio prospectivo es demostrar que la nucleolisis percutánea con oxígeno-ozono es efectiva, muy segura; para tratamiento de hernias del segmento lumbar bajo que son causa de dolor discogenico.

Materiales y métodos: Estudio prospectivo 85 pacientes, con hernia discal lumbar sintomática a los que se realizo un total de 85 nucleolisis percutánea paraforaminal con O2-O3 durante un periodo comprendido entre junio 2011 a junio del 2013 todas las nucleolisis se realizaron bajo control de guía tomografica con medidas de asepsia y antisepsia estrictas, sedación consciente. Todos los pacientes se administro O2-O3 paraforaminal 20ug (5-10 ml) mas procaina al 2% mas 1cc de 40mg de cristales esteroideos, en todos los casos se administro 1gs de cefacial como profilaxis. La eficacia del tratamiento se basa en el control del dolor según la escala visual analógica basal (EVA 0), a los 6 (EVA 1), a los 12(EVA 3) y los 24 meses (EVA 6) de las nucleolisis y mediante la escala de oswestry evaluado antes del tratamiento y al final del estudio. Todos los pacientes se les realizo encuesta en la primera consulta y luego del final del tratamiento con respuesta satisfactoria.

Resultados: Se realizaron 85 nucleolisis percutánea lumbar 85 pacientes la Eva inicial fue de $7,78 \pm 0,99$ y la evolución a los 6, a los 12 meses y a los 24 meses fue: $2,43 \pm 2,19$, $1,80 \pm 2,31$ y $2,07 \pm 2,49$. El índice de oswestry inicial incapacidad leve: 10%, incapacidad moderada: 30%, incapacidad grave: 58%, incapacidad muy grave: 2%. Después fue de Incapacidad leve: 1%, incapacidad moderada: 6%, incapacidad grave: 10%, incapacidad muy grave: 0% con una reducción estadísticamente significativa a los tres cortes. Ningún paciente presento efectos adversos en cuanto a la satisfacción expresada por los pacientes excelente para 61 (72%), bueno para 18(21%) y regular 6(7%).

Conclusiones: la nucleolisis percutánea con oxígeno-ozono es una técnica efectiva, eficaz y muy segura en el tratamiento de dolor lumbar por hernia discal con dolor discogenico.

Key: PL24 SPA

Tipo de Presentación: Presentación oral.

Palabras clave: nucleolisis, paraforaminal, oxígeno-ozono.

Plenary lecture

Bioenergetics optimization as a key mechanism of ozone therapy effects at urgent pathology

Sergey Peretyagin, Soloveva A.G., Martusevich A.K., Peretyagin P.V., Bitkina O.A.

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Introduction. Hypoxia is associated with any urgent conditions obligatory leads to tissue energy deficiency. This pathological process is most early mechanism («trigger») of membrane damaging action in different organs. Metabolic acidosis, accumulation of non-fully oxidized substrates and nucleotides induce more strong processes of membrane damage (phospholipolysis, alternative ways of arachidonic acid metabolism, lipid peroxidation etc.). In this case ozone use supports activation of enzymatic reactions, replenishment of antioxidant reserves and pool of substrates for energy metabolism. The *aim of this work* is the justification of use of additional energy substrates in correction of hypoxic disorders by reactive oxygen species.

Materials and methods. We used two models of hypoxic condition (hemorrhagic shock in 86 dogs and deep thermal burn in 36 Wistar rats). In early postreanimational period animals of control groups were treated with standard algorithm. Animals of second groups get ozone therapy, and third ones are managed with combination «ozone + energy substrates (Microhydrine as an electron donor and Cytoflavin as succinic-containing drug)». In all animals we estimated oxidoreductases activity, parameters of energy metabolism, acid-base balance, heart functional state, microcirculation level and regulatory mechanisms, morphology of main organs.

Results. It was fixed, that in early postreanimational period (after hemorrhagic shock) the single ozone processing by 2.5 volumes of total circulating blood lead to stimulation of enzymes activity in blood and tissues (for example, lactate dehydrogenase, succinate dehydrogenase in myocardium tissue). It causes elevation of energy accumulation substances (AMP, ADP, ATP) and formed the optimal conditions for heart contractility, increasing of its output, energy and power in comparison with control group. Stimulation of energy production by ozone is confirmed with analysis of tissues morphology (mitochondrial polymorphism, ribosomal apparatus activation). More prolonged and effective action of systemic ozone therapy on energy production mechanisms was observed at treatment of burned rats. These animals got ozonized saline infusions every day, ozone-containing liniments and energy substrates (microhydrine, succinic acid). This algorithm caused intensity of lipid peroxydation at 2.4 times in 10 days after burn, antioxidant potential was elevated in 2.8 times in this case. In control group level of antioxidant activity and lipid peroxydation were lesser at 25-30% to main group. Dynamics of oxidoreductases activity in blood and tissues was similar. Benefits of ozone therapy in combination with energy substrates are supported by microcirculatory data.

Conclusion. It was stated, that at urgent pathology ozone-induced intensification of energy production must be associated with use of energy substrates. It stimulates restoration of functional, metabolic and morphological state of animals with thermal trauma or hemorrhagic shock.

Key: PL24 ENG

Type of Presentation: Oral Presentation.

Keywords: Ozone – Oxygen therapy, hypoxic disorders, reactive oxygen species.

Plenary lecture

Oxygen ozone therapy as integrated treatment of chronic obstructive pulmonary disease: a preliminary study

Emma Borelli, Velio Bocci,

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In this study we suggest the efficacy of major ozonated autohaemotherapy (OAHT) in patients affected by chronic obstructive pulmonary disease (COPD). 30 patients affected by moderate/ severe COPD were enrolled in two groups: group A (15 patients) underwent a cycle of OAHT associated with a standard therapy with inhaled beta2 long acting bronchodilators and/or corticosteroids twice a week for the first 5 weeks, thereafter a single treatment every week for other 10 weeks. Group B (15 patients) served as control and not received treatments otherwise the standard therapy. In all patients we measured before and after the end of the study: 1) Pulmonary FunctionTest 2) Resting Arterial blood gas 3) exercise tolerance by 6 min walking test (6MWT) 4) dyspnea index by Borg dyspnea scale 5) health status, evaluate by the St. George Respiratory questionnaire (SGRQ). Major ozonated autohaemotherapy was carried with an O₃ concentration of 20 micrograms/ml for the first four treatments, thereafter the concentration of ozone was 40 micrograms/mL of gas for the other 16 treatments. In the group A there was a significant increase in 6MWT (417.5 +/- 107.4 m before the study vs 493.8 +/- 106 m at the end of study, p< 0.01) and a significant decrease in the degree of dyspnea measured by borg scale after the 6MWT (4.1 +/- 2.4 vs 3 +/- 2.1, p<0.01) and in SGRQ activity impact and total scores. In the COPD patients OAHT produces significant improvement in patient's quality of life and exercise tolerance. The integration of standard therapy with ozonotherapy in COPD can represent a novel and effective approach.

Key: PL26 ENG

Type of Presentation: Oral Presentation.

Keywords: pulmonary disease; ozonotherapy; quality of life.

Plenary lecture

Does ozone have effect in rectal insufflation application in the estrone metabolism in postmenopausal women and in women with mammary neoplasia - both pre and post menopausal - positive hormone receptors?

[¿Tiene efecto del O₂/3 en aplicación por insuflación rectal en el metabolismo de las estronas (2-OHE y 16 α -OHE) en mujeres postmenopausicas y en mujeres afectadas de neoplasia mamaria – tanto pre como postmenopásicas – hormonoreceptoras positivas?]

Santos Martín

Clinica Dr Santos

La evaluación de las estronas en orina, procedentes del metabolismo estrogénico, nos permite conocer el resultado final del mismo medido en los parámetros de 2-OHE y 16 α -OHE. La vía del 2-OHE se supone protectora de la acción proliferativa a la cual induce la 16 α -OHE. Por ello, procesos que ayuden a desviar la vía metabólica hacia el 2-OHE sería deseable. Puesto que los procesos del metabolismo de los estrógenos están ligados a procesos oxidativos, se quiere comprobar en estudio "Proof of Concept" (PoC) si la aplicación rectal de O₂/3 modifica dicho cociente de las estronas en orina tanto en mujeres postmenopásicas como en mujeres afectadas por cáncer de mama estrógenodependientes. El periodo calculado del estudio será de 8 semanas por cada ensayo con aplicación bisemanal de O₂/3 vía rectal estudiando los cocientes de 2-OHE y 16 α -OHE antes y después.

Key: PL27 ENG

Type of Presentation: Oral Presentation. Prospective clinical study

Keywords: pulmonary disease; ozonotherapy; rectal insufflation, menopausal, estrone metabolism

Plenary lecture

Ozone therapy using in dermatological practice. Russian experience

Oksana Bitkina, I. Kosheleva, V. Baityakov

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Now as result of practical using of ozone therapy in dermatovenereal clinics in Moscow, Nizhny Novgorod, Saransk, Vladimir, Murmansk and other larch cities during 20 years we have opportunity to formulate direction of successful experience in this branch of medicine. Ozone treatment using in atopic dermatitis, eczema, angiitis, herpes, piodermas, lichen planus, lichen sclerosis etatrophicus, alopecia areata, acne vulgaris, rosacea, aging skin.

One of more well investigated field is ozone treatment of allergic skin diseases such as atopic dermatitis and eczema (O. Ivanova, 1998; I. Kosheleva, 2003; S. Vedernikova, 2009). Since 1990 in Nizhny Novgorod research dermatovenereal institute ozone therapy of atopic dermatitis as minor autohemoozone therapy and rectal insufflations was controll with complex investigation of lipid peroxidation, antioxidative system, immunological tests, hystaminpexia and serotoninpexia indexes. As a result of therapy disappearance of clinical symptoms was in 38,8 %, clinical improvement – in 50,4 %, improvement – in 10 %. Negative prognostic tendency for atopic dermatitis has been determined in simultaneous decrement of enzyme activity of superoxidismutase, catalase of erythrocytes, CD4 and CD 8 levels with constant levels of immunoglobulins G_A and M. Catamnesis investigation of 139 patients suffered from AD demonstrated clinical efficacy in 90 %. In generalized variants advisable tactic is complex treatment including ozone therapy during 2-3 courses with intervals in 3-6 months.

Next step in development of ozone treatment in dermatology was investigation of chronic immune dependent dermatoses during ozone treatment (325 patients with localized scleroderma, 268 – with angiitis, 176 – with lichen planus, 208 – with psoriasis) by Dr. I. Kocheleva in dermatologic clinic of First Moscow State Medical University. Complex immunological and biochemical laboratory investigation concluded determination of cytokine profile, parameters of natural autoimmunity and estimation of gas blood content. As a basic method of ozone therapy was intravenous infusions of ozonized saline with concentration in solution 2mg/l 3 times a week on 400 ml, N 7-9 procedures.

Approach to ozone treatment of psoriasis was formulate in thesis of Dr. V. Baityakov, 2012. Complex treatment with ozonized saline was result in PASI index decrement on 75 % in 52,4 % of patients, summary level of lipid peroxidation reduction – on 36,5 %. Such methodic has anti-inflammatory, detoxication and immune correction effects.

Complex clinical and laboratory investigation of methodic of local ozone gas injection in face area for rosacea (80 patients) and acne vulgaris (56 patients) treatment was control with lipid peroxidation levels, antioxidative system data, oxidative protein modification, glycoamineglicans and oxyproline levels, thermovision estimation. This investigation allows develop ozone therapy using in cosmetology.

One of more actual aim in "ozonetherapeutic dermatology" now is creation of scientific foundation of local application of ozonids containing preparations with help of noninvasive methods of skin condition diagnostic, modern bacteriological tests and PSR.

Key: PL28 ENG

Type of Presentation: Oral Presentation

Key words: ozone, dermatitis, dermatology

Plenary lecture

The importance of ozone therapy in clinical veterinary practice. Case reports

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Introduction: In everyday veterinary practice, signs such as pain, pruritus, inflammation and ulcers among others are a constant finding. Given the therapeutic characteristics of ozone, it can be considered as an essential tool.

Objective: Use of ozone therapy in various pathologies having a high incidence in veterinary medicine.

Materials and methods: Three groups of dogs and cats are selected. First group: animals with conditions involving the locomotor system, presenting lameness signs, pain and decreased activity. Second group: animals with dermatological conditions, presenting pruritus, erythema, ulcer and/or necrosis signs. Third group: animals with kidney/liver failure, oncology patients and patients with ophthalmic conditions. Treatments were conducted with ozone, ozone-activated platelet-rich plasma (O₃PRP), ozonized oil and ozonized water. The first group received local ozone applications on painful spots at 8-10 µg/mL, 1-2 times a week, in a volume of from 1 to 10 mL on each spot. In cases of hip and knee arthroses, treatment consisted of three sessions of intraarticular O₃PRP injections, one every two weeks, as well as periarticular ozone injections at 8-10 µg/mL in a volume of from 5 to 20 ml into each joint. The second group received ozonized-water rinses, intralesional injections of 0.2-0.3 mL of ozone per spot, at 8-15 µg/mL, 1-2 times a week for 2-3 weeks, and ozonized oil applications at home. The third group received rectal ozone applications at 15-30 µg/mL for 2-3 weeks, major autohemotherapy (MAHT) at ozone concentrations of 15-30 µg/mL for 2-6 weeks, and weekly applications of minor autohemotherapy (mAHT) at 15-25 µg /mL for a total of 3 or 4. The choice for applying ozone in either way depended upon the concerned pathology, the animal's characteristics (whether it is quiet or nervous, its size...) and the owner's availability.

Results. First group. There was a decrease in pain since the first application and it vanished in 80% of the animals. Lameness disappeared in most of cases and diminished in the rest. The activity increased in 100% of the animals. Second group: There was a complete healing of wounds with tissue loss. Pruritus was reduced in up to 75 % in cases of allergy. Third group: There was a reduction in alanine aminotransferase, urea and creatinine altered values. The oncology patient stays without relapses. Healing of the ophthalmic disorder.

Conclusion: Because of its qualities, ozone therapy could be part of everyday veterinary practice. When administered by appropriate methods and in appropriate dosages, it is a most safe and efficient tool.

Key: PL29 ENG

Type of Presentation: Oral Presentation. Clinical Trial – Veterinary.

Keywords: Coxofemoral pain. Torpid ulcers. Ozone therapy. Ozonized growth factors. Ozonized oil.

Conferencia Plenaria

Importancia de la ozonoterapia en la clínica veterinaria. Casos clínicos

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Introducción: En las consultas veterinarias cotidianas, signos como el dolor, el prurito, la inflamación, las úlceras entre otros, constituyen una constante. Dadas las características terapéuticas del ozono, podemos considerar a éste como una herramienta esencial.

Objetivo: Aplicación de ozonoterapia en diversas patologías de alta incidencia en medicina veterinaria.

Materiales y métodos: Se seleccionan 3 grupos de perros y gatos. Primer grupo: animales con afectación del aparato locomotor, con signos de cojera, dolor y disminución de la actividad. Segundo grupo: animales con afecciones dermatológicas, con signos de prurito, eritema, úlcera y/o necrosis. Tercer grupo: animales con insuficiencia renal/ hepática, paciente oncológico y paciente con patología oftálmica. Para los tratamientos, se utilizaron ozono, plasma rico en plaquetas activado con ozono (PRPO3), aceite ozonizado y agua ozonizada. El grupo 1 fue tratado con aplicaciones locales de ozono en los puntos de dolor, 8-10 µg/mL, 1-2 veces por semana, de 1 a 10 mL por punto. En artrosis de cadera y rodilla, inyecciones intraarticulares de PRPO3 en 3 sesiones, una cada 2 semanas. Añadiendo ozono periarticular, 8-10 µg/mL, de 5-20 ml en cada articulación. Segundo grupo: Lavado con agua ozonizada, inyecciones intralesionales de 0,2-0,3 mL por punto, 8-15 µg/mL de ozono. 1-2 veces por semana, 2-3 semanas, aplicación de aceite ozonizado en casa. Tercer grupo: Aplicaciones rectales a 15-30 µg/mL de ozono, durante 2-3 semanas, aplicación de auto hemo mayor (AHM) en concentraciones de 15-30 µg/mL de ozono, durante 2-6 semanas, auto hemo menor(AHm) a 15-25 µg /mL, una aplicación semanal hasta 3 o 4. La decisión de aplicar el ozono de una manera u otra dependió de la patología, de las características del animal (Tranquilo, nervioso, tamaño....) y de la disponibilidad del dueño.

Resultados. Primer grupo. El dolor disminuyó desde la primera aplicación y desapareció en un 80% de los animales. La cojera desapareció en la mayoría de los casos y disminuyó en el resto. La actividad aumentó en el 100%. Segundo grupo: Curación total de heridas con pérdida de tejido. Disminución de hasta el 75 % del prurito en los casos de alergia. Tercer grupo: Disminución de los valores alterados de alanina-amino transferasa, urea y creatinina. Mantenimiento del paciente oncológico sin recidivas. Curación del proceso oftálmico.

Conclusión: Gracias a las cualidades de la ozonoterapia, ésta podría formar parte de la práctica veterinaria cotidiana. Aplicada con métodos y dosis apropiadas es una herramienta muy segura y muy eficaz.

Key: PL29 SPA

Tipo de participación: Presentación oral. Estudio clínico – Veterinario.

Palabras clave: Ozonoterapia. Factores de crecimiento ozonizados. Aceite ozonizado.

Plenary lecture

Ozoneteraphy in hydatid cysts of spinal cord

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Objective: To analyze the effect of ozone therapy in medullary cystic hydatid cavities hydatid disease is a zoonosis caused by Echinococcus worms genre. It is endemic in Argentina, Turkey and India. Your hematogenous spread through multiple filters and duodenum, liver , pericardium, lung, brain , bone and spinal cord 0.5 %.

Its treatment is pharmacological, but growth of 1 cm per year leads to risk surgery. Differential cases with extradural spinal cord compression and intradural lesions and their neurosurgical resolution ozone are presented cystic puncture Conclusions: In the 350 cases described in the literature this new treatment that allowed us to get an excellent response to any cystic breakouts, improvement of spinal cord compression and shock treatment ozone pre and post surgery blood in order to beat presents another this global battle parasitosis.

Key: PL30 ENG

Type of Presentation: Oral Presentation. Case Report.

Key words: spinal cord paraplegia , ozone, hidatidosis

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Conferencia Plenaria

Ozonoterapia en quistes hidatídicos de medula espinal

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Objetivo: analizar el efecto de la ozonoterapia en cavidades quísticas de hidatidosis medular la hidatidosis es un zoonosis producido por gusanos del genero equinococus. Es una enfermedad endémica en argentina, Turquía e India. Su diseminación hematógica atraviesa múltiples filtros como duodeno, hígado, pulmón pericardio, cerebro, hueso y medula espinal 0.5%.

Su tratamiento es farmacológico, pero su crecimiento de 1cm por año lleva a cirugías de riesgo. Se presentan casos diferenciales de compresión medular con lesiones extradurales e intradurales, su resolución neuroquirúrgica y ozonoterapia por punción quística.

Conclusiones: dentro de los 350 casos descritos en la literatura mundial se presenta este nuevo tratamiento que nos permitió obtener una excelente respuesta ante eventuales rupturas quísticas, mejoría del shock de compresión medular y tratamiento de ozono en sangre pre y post cirugías en miras de ganarle otra batalla a esta parasitosis mundial.

Key: PL30 SPA

Tipo de Presentación: Presentación oral.

Palabras clave: medula espinal, hidatidosis, paraplejia, ozonoterapia.

Plenary lecture

Application features of ozonotherapy in the practice of the otolaryngologist

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Number of persons with ENT pathology is growing worldwide. Doctors of all specialties are often found with these diseases. Despite advances in modern medicine the problem of treatment of ear, nose and throat is very actual. Effectiveness of most drugs and treatments is not completely adequate. The aim of this work is to study the effectiveness of the use of ozone therapy in the treatment of diseases of the ear, nose and throat, taking into account the structural features of otolaryngology; definition of indications and contraindications ozonotherapy treatment of this pathology; and also the development of specific proprietary technologies of ozone therapy in the treatment of diseases specified location.

Materials and Methods. During the 19 years own studies and practical use of ozone therapy were examined and treated more than 4 thousand patients with ENT pathology. All patients received a comprehensive survey before and after ozonotherapy procedures: determination of the general condition of the organism recognized by the scale, ENT-endoscopy, cytological and bacteriological analysis of the mucosa, definition of the immune system state, prooxidation, energy metabolism, microcirculation and plasma membranes. Procedures were carried out systemic and local ozonotherapy.

As a **result** was developed various schemes of ozonotherapy in the treatment of diseases of the ear, nose and throat, which include conventional and specific techniques, and our own techniques of ozonotherapy in the treatment of diseases of the ear, nose and throat.

Key: PL31 ENG

Type of Presentation: Oral Presentation.

Key words: ENT-pathology, mucosa, ozonotherapy.

Conferencia Plenaria

Los rasgos (características) de la aplicación ozonoterapia en la práctica del médico-otorrinolaringólogo.

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Actualidad. La cantidad de las personas con la LOR-patología crece constantemente en el mundo moderno. Los médicos de especialidades diferentes se encuentran a menudo con estas enfermedades. A pesar de los logros de la medicina moderna el problema del tratamiento de las enfermedades de la oreja, la garganta y la nariz es muy actual. La eficiencia de la mayoría de los medios y los métodos del tratamiento se queda en un nivel insuficientemente.

El objetivo del este trabajo era el estudio de la eficiencia del uso ozonoterapia en el tratamiento de las enfermedades de la oreja, la garganta y la nariz tomando en cuenta el rasgo de la estructura de los LOR - órganos. También la elaboración de propias tecnologías específicas de ozonoterapia para tratamiento de las enfermedades de la localización indicada.

Materiales y métodos En la corriente de 19 años de propias investigaciones y el uso práctico de ozonoterapia es inquirido y curado más de 4 mil de pacientes con la LOR-patología. A todos los pacientes era pasada la inquisición compleja antes y después de los procedimientos de ozonoterapia: La definición del estado del organismo en general por la escala reconocida por todos, la endoscopia de los LOR-órganos, el análisis citológico y bacteriológico de mucoso, la definición del estado de los sistemas de la inmunidad, oxidación, del cambio energético, estado de la microcirculación y las membranas plasmáticas. Eran pasados los procedimientos de ozonoterapia sistémica y local. Como el **resultado** del trabajo son elaborados los esquemas distintos de ozonoterapia para el tratamiento de las enfermedades de la oreja, la garganta y la nariz, que incluyen las metodologías de uso general y específicas, también propias metodologías de ozonoterapia para el tratamiento de las enfermedades de la oreja, la garganta y la nariz. La definición de las indicaciones y las contraindicaciones de ozonoterapia en el tratamiento de la patología dada

Key: PL31 SPA

Tipo de Presentación: Presentación oral.Reporte de Caso.

Palabras clave: LOR- patología, mucosa, ozone terapia.

Poster

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Poster

Ozone therapy in chronic heart failure

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In order to determine the effect of ozone therapy in the chronic heart failure, a study was carried out in a total of 30 patients with left chronic cardiac deficiency with ventricular systolic dysfunction degree II and III according to the definition of the Association of the Heart of New York. Patients attended the medical consulting room, a section of heart deficiency and part of the department of Transplant of the Heart and Service of cardiovascular surgery in Ameijeiras Brothers Hospital, in Havana city, Cuba, from January 2010 until December 2012. The sample was divided into two groups of 15 patients in each group: the study group treated with 32 applications of auto-hemotherapy with ozone, twice a week, besides the conventional pharmacological therapy and a control group where the conventional pharmacological treatment was only used. The evaluated parameters were: Life Quality for EUROQOL-5 D, the Functional Class of the NYHA, Oxygen Consumption for ergo metric tests and the Ejection Fraction calculated by echocardiography. Results were compared by Fisher's test with the statistical method *Fisher's Exact Test for Count Data* and by calculations of confidence intervals for proportions, being proven that the group treated with ozone had a significantly better answer than the control group in all the evaluated parameters and adverse events were not presented during the treatments. It is possible to think that the biggest auto-hemotherapy with ozone was useful and safe to help in the control of left chronic cardiac deficiency with ventricular systolic dysfunction degree II and III.

Key: P 01 ENG

Type of presentation: Poster.

Key Words: chronic heart failure, ozone therapy, life quality

Cartel

Ozonoterapia en la Insuficiencia Cardíaca Crónica

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Con el objetivo de determinar el efecto de la ozonoterapia en la insuficiencia cardíaca crónica, se realizó un estudio en un total de 30 pacientes con insuficiencia cardíaca crónica izquierda con trastorno sistólico ventricular grado II y III según la definición de la Asociación del Corazón de Nueva York, que acudieron a la consulta de la sección de deficiencia cardíaca del departamento de Trasplante del Corazón y Servicio de cirugía cardiovascular en el Hospital Hermanos Ameijeiras, en Ciudad de la Habana, Cuba, en el periodo comprendido desde enero de 2010 hasta diciembre de 2012, la muestra se dividió en dos grupos de 15 pacientes cada uno, un grupo estudio que fue tratado con 32 aplicaciones de autohemoterapia mayor con ozono, dos veces a la semana, como coadyuvante de la terapia convencional y un grupo control en el que solo se usó el tratamiento convencional. Los parámetros evaluados fueron, Calidad de Vida por EUROQOL-5 D, la Clase Funcional del NYHA y Consumo de oxígeno por pruebas ergométrica, por último el Fragmento de Eyección calculado por ecocardiografía. Los resultados obtenidos fueron comparados mediante el test de Fisher con el método estadístico *Fisher's Exact Test for Count Data* y por cálculos de los intervalos de confianza para proporciones comprobándose que el grupo tratado con ozono tuvo una respuesta significativamente mejor que el grupo control en todos los parámetros evaluados y no se presentaron eventos adversos durante los tratamientos. Se puede concluir que la autohemoterapia mayor con ozono resultó útil y segura como coadyuvante en el control de la insuficiencia cardíaca crónica izquierda con trastorno sistólico ventricular grado II y III.

Key: P 01 SPA

Type of presentation: Cartel

Key Words: insuficiencia cardíaca crónica, ozonoterapia, calidad de vida

Poster

Alcoholic liver cirrhosis treated with AHTM

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Patient 65 years old, female, decompensated alcoholic liver cirrhosis disease, mild confusional state, characterized by ankle edema and significantly lower extremities, ascites that prevent normal breathing, yellowing of skin and mucous membranes, bleeding of gums and rectal, extreme tiredness, general weakness, feeling of nausea, lack of appetite, portal hypertension, splenomegaly, the patient also has a giant umbilical hernia, surgery not possible, ... treated for 3 years with AHTM on weekly basis.

Introduction: The objective of the present work is to demonstrate the efficiency of therapy applied weekly, in a patient with alcoholic liver cirrhosis for 3 years.

Methods: AHTM, weekly was used. Team Hyper Medozon comfort ozone (HAB HERRMANN). In sterile bottle (PPS), downs sangodrop, using citrate fixed dose, and dose of ozone concentration 20 µg / ml average. Periodic examinations controls blood count, biochemical profile, coagulation, prothrombin, complete urine, liver profile, ascitic fluid analysis, ultrasonography exam taken

Result / Discussion: During these 3 years, the patient remained stable, improving their clinical control parameters, decreasing ascites and improving laboratory parameters.

Key: P 02 ENG

Type of presentation: Poster.

Key Words: alcoholic liver cirrhosis, ozone therapy.

Cartel

Cirrosis hepatica alcoholica tratada con AHTM

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Paciente de 65 años, sexo femenino, que presenta cuadro descompensado de cirrosis hepatica alcoholica, en estado confusional leve, caracterizado por edema maleolar y de extremidades inferiores importante, con ascitis que le impiden la respiracion normal, ictericia de piel y mucosas, sangramiento de encias y rectal, cansancio extremo, debilidad general, sensacion nauseosa, falta de apetito, hipertension portal, esplenomegalia, sumado a lo anterior la paciente es portadora de una hernia umbilical gigante no operable, tratado por 3 años en forma semanal con AHTM.

Introducción: El objetivo del presente trabajo fue demostrar la eficacia de la terapia aplicada de forma semanal, en paciente con cirrosis hepatica alcoholica durante 3 años.

Materiales y métodos: Equipo de ozonoterapia Hyper Medozon comfort (HAB HERRMANN). En frasco esteriles, al vacio, (PPS), bajadas sangodrop y anticoagulante citrato a dosis fijas de 5 ml, y con dosis de concentracion de ozono de 20 ug/ml promedio. Se toman exámenes de controles periodicos de hemograma , perfil bioquimico, coagulacion, protrombina, orina completa, perfil hepatico, analisis de liquido ascitico, ecotomografia.

Resultados y Discusión: Durante estos 3 años la paciente ha permanecido estable, mejorando sus parametros clinicos de control, disminuyendo su ascitis y mejorando sus parametros de laboratorio.

Key: P 02 SPA

Tipe of presentation: Cartel

Key Words: cirrosis hepatica alcoholica, ozonoterapia

Poster

Ozonotherapy for the treatment of endometritis

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The inflammatory diseases of female genital organs are numbered among the most frequent pathologies of fertile women. In order to increase the efficiency of treatment and to avoid possible side effects we have used intrauterine irrigations with ozonized distilled water in case of acute endometritis. This method of treatment has been provided to 60 patients with postnatal and postabortive endometritis. Based on the received results, we have drawn a conclusion that in the course of treatment all patients showed an improvement in general state, body temperature returned to normal, symptoms of intoxication decreased, sleep and appetite got better, pain syndrom disappeared faster, pathological discharges were eliminated. The results of laboratory investigations have demonstrated a credible decrease in ESR, normalization of leukocyte number, a decrease in circulating immune complexes.

Thus, for treatment of endometritis we may recommend the given method of ozonotherapy to be used in combination with a basic anti-inflammatory therapy.

Key: P 03 ENG

Type of presentation: Poster.

Key Words: endometritis, ozone therapy.

Poster

Ozonoterapia en Pacientes con Fibrosis Pulmonar.

José Luis Calunga Fernández, Yusleidis Paz, Vladimir Hernández Ruiz.

La IFP es una forma de neumonía intersticial crónica limitada al pulmón, caracterizada por disnea progresiva, tos crónica, alteración funcional restrictiva y el patrón histológico de la neumonía intersticial usual (NIU) en la biopsia pulmonar. La etiología es desconocida. Ocurre más frecuentemente en hombres, usualmente de edad media (40-70 años). Aunque existen terapias actuales para el manejo terapéutico de estos pacientes, sigue siendo alta la morbimortalidad en la fibrosis pulmonar, por lo que se hace necesario la búsqueda de nuevas herramientas terapéuticas alternativas que mejoren la calidad de vida de estos pacientes.

Atendiendo a los efectos beneficiosos de la Ozonoterapia frente al metabolismo del Oxígeno y su efecto estimulador de las defensas antioxidantes enzimática, fue objetivo de nuestro trabajo valorar el efecto de la Ozonoterapia vía Sistémica sobre pruebas de función respiratoria en pacientes portadores de Fibrosis Pulmonar.

Material y Método: Se tomó una muestra de 25 pacientes portadores de Fibrosis Pulmonar diagnosticada a los cuales se le midieron en tres observaciones como pruebas de función respiratoria el volumen espiratorio forzado al primer segundo, la capacidad vital forzada, el índice de Tiffenau y el índice de Bode. El estudio demoró 6 meses y estos pacientes fueron observados al inicio, al mes y al terminar el sexto mes del estudio. Los pacientes que incluyeron el universo de estudio, llevaron un ciclo de Ozonoterapia vía rectal en un promedio de 20 sesiones, empleándose concentraciones entre 30 y 35 miligramos por litros y volúmenes entre 100 y 150 mililitros, combinándose con la vía de la autohemoterapia mayor con concentraciones de 40 y 45 miligramos por litros con un volumen de 100 mililitros a ozonizar 150 mililitros de sangre del paciente.

Resultado. La Ozonoterapia por ambas vías sistémicas combinadas, mostró un efecto beneficioso en el incremento significativo de volúmenes respiratorios, decremento del grado de disnea e incremento en la distancia recorrida por los pacientes en 6 minutos.

Conclusión. La Ozonoterapia mejora función respiratoria y calidad de vida de pacientes portadores de Fibrosis Pulmonar, no se observaron efectos adversos durante el estudio.

Key: P 04 SPA

Type of presentation: Poster.

Key Words: Ozonoterapia, función respiratoria, calidad de vida, Fibrosis Pulmonar.

Poster

Effects of ozone and singlet oxygen inhalations to oxidative metabolism in rats

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Nizhny Novgorod Research Institute of Traumatology and Orthopaedics, Nizhny Novgorod, Russia.

Introduction. In last decade investigation of pro- and antioxidant balance is one of the most tested parameters of organism homeostasis. Disorders of this balance caused specific state are integrated in term «oxidative stress», including activation of free radical processes without antioxidant compensation. In same time methods of correction of this pathological state is not so wide and include ozonotherapy and antioxidants use. That is why «new» reactive oxygen species, such as singlet oxygen (SO), are interesting as alternative physical agents for normalization of oxidative metabolism. At other side, biological effects of SO are not investigated fully, and proven data include the results of its clinical use, but molecular and cellular mechanisms of its action are particularly unknown. The *aim of this work* was the analysis of singlet oxygen and ozone effect on lipid peroxidation and antioxidant activity of rat organs and blood.

Material and methods. Wistar rats were randomly divided into five groups: control group (without any manipulations; n=10) and four main groups (n=10 in each group) with inhalations by dry, moisture and oil-processed ozone-oxygen mixture (ozone concentration 60 µg/l) or singlet oxygen, respectively. Rats got 1 inhalation per day during 10 days. Generation of singlet oxygen was executed with «Airnergy» device (power of apparatus – 100%). Ozone was produced with «Medozons BM» ozonator. Activity of pro- and antioxidant systems was estimated in blood and tissues (lungs, heart, liver and kidney) by induced biochemiluminescence. Organs homogenates were prepared with homogenizator «UltraTurrax». Statistical data analysis was done using the Microsoft Excel 2007 spreadsheets as well as using the program Primer of Biostatistics 4.03.

Results and discussion. Singlet oxygen was shown to exert the «mildest» effect with stimulation of blood antioxidant potential and saving tissue oxidative potential without hyperactivation of lipid peroxidation. Use of moistened ozone-oxygen mixture caused moderate stimulating action on antioxidant reserves of blood and tissues. Dry ozone-oxygen mixture is consisting oil ozonides clearly decreased lipid peroxidation intensity with temperate decreasing of antioxidant potential of rats blood and tissues.

Conclusion. We stated that investigated reactive oxygen species caused differential action of state of pro- and antioxidant systems of rats organisms. So, the SO inhalations provide most optimal changes of estimated balance, supplied antioxidant reserves of blood previously. Most negative effects were observed at inhalation of dry ozone-oxygen mixture. They included inhibition of lipid peroxidation and antioxidant reserves in blood plasma with clear activation of free radical oxidation processes in rats' tissues.

Key: P05 ENG

Type of presentation: Poster.

Key Words: oxidative stress, ozone therapy.

Poster

UVB - Ultraviolet Blood Irradiation: An analysis of three major changes

Tom Lowe

Bachelor of Science - University of Wisconsin. Director of Physicians UBI awareness. CEO of Ultraviolet Pure - 11968 Sweetwater Dr, Grand Ledge, MI USA.
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The field of Ultraviolet Blood Irradiation has needed updating both of the devices and also of the procedure. New studies show that 500 joules of energy are needed to inactivate tough viral strains. This presentation will discuss the necessary changes and their ramification on the combined medical therapy of ozone and UVB.

There has been a plethora of research studies on UV light over the past 20 years. Most of it is unknown by clinicians. Significant is the determination of the intensity of UV Light, the effectiveness of each band of wavelength of UV light and also the positive ramifications of some of the blue light spectrum and its affects on blood.

Dynamics of the new effective therapy include: 1) amounts of blood used - now only 40cc is needed, 2) dilution of the blood into saline for a more effective therapy, 3) movement of blood within the cuvette and its ability to be exposed to the light, 4) Adequate exposure to the light by the light source, 5) Blue light 410nm and potential healing effects on the blood. **The three areas** that are covered in this discussion are:

1) Development of a device that allows a greater amount of energy to be introduced into the blood through the use of longer UV lights, more UV lights and reflectorized surfaces. This allow for the exposure time to be less which eliminates overheating of the blood product and a shorter time in the IV chair for patients. It also allows for more IV therapy activities by the staff. Also the potential to add a (blue light) spectrum.

2) Development of a saline dilution protocol. Blood is optically dense. Because of this only 5% or less of the whole blood is affected by the light therapy. By diluting the blood with normal saline the amount of blood taken from the patient is less and the exposure to the light is greater. Also reinfusion is much easier.

3) The cuvettes of the past had small surface areas, were too short and did not adequately turbulate the blood allowing for a more even infusion of light energy When trying to get more energy into the blood the drip speed was often too slow. This allowed for an inadequate therapy and also the potential for overheating of the blood.

Conclusion: Medical Ozone in the form of MAHT is commonly used along with the UBI process. They are widely considered synergistic therapies that multiply the healing effects when used together. Implementation of the UVB/Ozone therapy is simple and requires only minor protocol changes. Although either can be used as a solo therapy they are best used together.

These three improvements represent the next generation of UBI/ozone treatments. They allow for better and more effective therapy. At the present time there are over 170 physicians using these improved therapy techniques and devices. Some 30,000 + treatments have been accomplished within the past 12 months with positive results.

Key: P06 ENG

Type of presentation: Poster.

Key Words: Ultraviolet Blood Irradiation.

Poster

Oxidative Stress Blood Level Analysis in Ozone Therapy

Ruhi Cakir

Mediozon Clinics, Istanbul TURKEY

In Ozone Therapy, ozone dose seems to follow an "U shaped" curve being stimulatory at low dosages and inhibitory at high dosages. Despite this concept sounds very simple, the clinical practice needs some important detail in relation to the patients, since the definition "low dosage and high dosage" should be tailored considering the binomium subject / disease, particularly in terms of oxidative stress (OS).

Although when ozone therapy is performed within the therapeutic range, O₃ causes a temporary OS condition. This aspect is important, since some of the activity of this therapy belongs to the calibrated OS, that seems to "reset" the equilibrium between oxidant and antioxidant capacity, ending up with favorable clinical results. This effect has been defined as "oxidative preconditioning".

In case of patients already under OS with a low antioxidant reserve (AO), even a mild adjunctive oxidation together with a mild adjunctive shortage of the antioxidants, can create the condition of an unfavorable oxidative balance (OB). This will be the cause of at least two events: a) the patient may suffer of side effects (very rare) b) the therapy may be less effective.

To avoid these two disadvantages to measure the OB before the therapy, than behave accordingly in terms of O₃ dosage, and follow with the balance monitoring.

Key: P07 ENG

Tipe of presentation: Poster.

Key Words: Ozone, Ozone Therapy, Oxidative Stress, Free Radical, Antioxidant, Oxidative Balance

Poster

Study of the effective ozone dosages in the treatment of generalized arthrosis

Vivian Borroto Rodríguez, ¹Roosevelt Cámara, ²Luisa B Lima, ³Sandra Lima.⁴

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The generalized osteoarthritis is due to a degenerative and inflammatory process. It is the more frequent rheumatologic illness at world level and it constitutes an important cause of inability in the heavy body-weight adults. Moreover its treatment is very expensive in relation to its high social and economic impact. In the literature the beneficial effects of the ozonotherapy have been reported for this affection using protocols of increasing dosage in relation to the body weight. The objective of this work was to evaluate if there is any difference by using a dose in relation to the body weight in comparison of using a fixed dosage. Regarding the pain, all of these patients, had been evaluated by the same visual scale, before, later and after three months of the treatment. 160 patients were included with the same diagnosis: they were on average 64.1 year-old and had a body-weight average of 81.7 kg (43.2 minimum, 120 maximum). The sample was divided in two similar groups of 80 individuals: Group 1 was the control, group 1: 20 ozonotherapy sessions were performed for rectal insufflation in escalating absolute dose. On the other hand Group 2, received also 20 ozonotherapy sessions for rectal route with a dose related to the body weight, in an upward way. At the end of treatments by using the test OR of Mann-Whitney for the two independent samples to the variable: pain after the treatment: a significant difference became evident in favour of the Group 2 where the ozone dose had been related to the body weight. However this was true only in the patients with weight higher than the average of the studied group. It can be concluded that the ozone dose used for the treatment of the pain in patient with generalized osteoarthritis must be related the body-weight in order to obtain a reliable results.

Key: PL8 ENG

Type of Presentation: Oral Presentation.

Key words: ozonotherapy, generalized osteoarthritis, pain, ozone dose.

Poster

Estudio de efectividad de dosis de ozono en el tratamiento de artrosis generalizada

Vivian Borroto Rodríguez; ¹ Roosevelt Cámara, ² Luisa B Lima, ³ Sandra Lima.⁴

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² Policlínico Universitario, Rampa, Vedado, Cuba.

³ Centro Nacional de Rehabilitación, Hospital "Julio Díaz", Fontanar, Cuba.

⁴ Escuela Latinoamericana de Medicina; Santa Fe, Playa. Cuba

La osteoartritis generalizada consiste *en* un proceso degenerativo e inflamatorio, es la enfermedad reumatológica más frecuente a nivel mundial, constituye una causa importante de discapacidad en los adultos mayores y su tratamiento genera altos costos debido a su alto impacto social y económico. En la literatura se reportan evidencias de los efectos beneficiosos de la ozonoterapia para esta afección utilizando protocolos de dosis absolutas de forma escalonada. El objetivo de este trabajo fue evaluar si existe diferencia utilizando dosis relativas al peso corporal al compararla con las dosis absolutas, en cuanto a la respuesta al dolor en estos pacientes, evaluada por la escala visual análoga, antes, después y a los tres meses del tratamiento. Se incluyeron 160 pacientes con este diagnóstico con un promedio de edad de 64.1 años y un peso promedio de 81.7 kg (43.2 mínimo, 120 máximo). La muestra se dividió en dos grupos de 80 individuos cada uno: Grupo 1, control, donde se aplicaron 20 sesiones de ozonoterapia por vía rectal en dosis absolutas escalonadas; Grupo 2, donde se aplicaron 20 sesiones de ozonoterapia por vía rectal a dosis relativa al peso corporal, de forma escalonada. Al realizar la prueba U de Mann-Whitney para dos muestras independientes a la variable: dolor después del tratamiento, comparando los grupos: tratamiento similar para todos y tratamiento de acuerdo al peso corporal, se obtuvo que existe diferencia significativa a favor del Grupo 2 con dosis relativa al peso, pero solo en los pacientes con pesos por encima de la media del grupo estudiado. Se puede concluir que para dosificar el ozono médico para el tratamiento del dolor en pacientes con osteoartritis generalizada se debe considerar el peso corporal para obtener una óptima respuesta en todos los pacientes.

Key: PL8 SPA

Tipo de Presentación: Presentación oral.

Palabras clave: ozonoterapia, osteoartritis generalizada, dolor, dosis.

Speakers CV

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Curriculum Vitae

Roberto Quintero Mariño (SPA)

(Summary)

Speakers AEPROMO-AMOZON-ISCO3



Personal information

Affiliation (s)	Legal Advisor of AEPROMO, IMEOF and ISCO3		
Professional Address(es)	Colegio de Médicos de Madrid. Calle Santa Isabel 51, casilla 46. 28012, Madrid, España		
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Title (s) (Mr./Ms./Mrs/Dr.)	Mr.	Skype	roberto.quintero.marino
Academic Degree (s)	Lawyer	Mobile	+34 669685429
Scientific Degree (s)	Ph.D.	Telephone(s)	+34 913515175
Language Proficiency	English, French, Portuguese	Mother tongue(s)	Castillian
Field of specialization	Political Sciences and International Relations		

Education and training

Qualification Name	Institution Name	Date of completion	Type
Lawyer	Universidad Nacional de Colombia	1974	Dr. en Derecho, Ciencias Políticas y Sociales
Ph.D.	Université de Paris VIII et I	1982	Doctorat de Troisième Cycle
Master	Université de Paris X	1981	Diplome d'Études Approfondies

Additional information

Other / In-house Training	2 career related to his specialty
Seminars / Conferences	Severls.
Books / Articles Published	Several manuscripts in specialized journals during. Several papers in scientific and specialized journals. 6 books.
Board Certifications/Licensures/ Registrations/ Professional Associations	Scientific Society: AEPROMO, IMEOF, ISCO3 Board: Spanish Journal of Ozone Therapy
Training / Presentations Given	Organized and participated as speaker in a high number of training courses.
Scientific Awards	

Curriculum Vitae

Roberto QUINTERO MARIÑO



(Resumen)

Oradores AEPROMO-
 AMOZON-ISCO3

Datos Personales

Afiliación (s)	Asesor Legal de AEPROMO, IMEFO e ISCO3		
Dirección Profesional (es)	Colegio de Médicos de Madrid. Calle Santa Isabel 51, casilla 46. 28012, Madrid, España.		
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Idiomas que domina	Inglés, Francés, Portugués	Lengua materna(s)	Castellano
Especialidad	Ciencias Políticas y Relaciones Internacionales		

Entrenamientos y Educación

Nombre de la calificación o especialidad	Institución	Fecha de graduación	Tipo de especialización
Abogado	Universidad Nacional de Colombia	1974	Dr. en Derecho, Ciencias Políticas y Sociales
Ph.D.	Université de Paris VIII et I	1982	Doctorat de Troisième Cycle
Máster	Université de Paris X	1981	Diplome d'Études Approfondies

Additional information

Otros entrenamientos recibidos

2 de cursos de post-grados recibidos

Seminarios / Conferencias

Numerosas

Libros / Artículos Publicados

Fui colaborar de una revista durante varios años y escribí muchísimos artículos especializados, además de los escritos en mi actividad profesional. He escrito 6 libros.

Asociaciones Profesionales / Consejos editoriales / Tribunales

Asociaciones científicas: AEOPROMO, IMEOF
 Comités editoriales: Revista Española de Ozonoterapia

Entrenamientos, docencia y cursos Impartidos

He organizado y participado como profesor en multitud de cursos.

Premios Científicos

No

Otros aspectos a destacar

Pensionado de Naciones Unidas

Curriculum Vitae

Franklin E. Aular Montilla



(Resumen)

Oradores

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Afiliación (s)	Hospital Universitario de Caracas, Servicio de Cirugía de La Mano.		
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Idiomas que domina	Castellano/Ingles	Lengua materna(s)	Castellano
Especialidad	Traumatología y Ortopedia; Cirugía Reconstructiva de la Mano y Miembro Superior		

Entrenamientos y Educación

Nombre de la calificación o especialidad	Institución	Fecha de graduación	Tipo de especialización
Especialista en Traumatología y ortopedia	Universidad Central de venezuela	1995	Especialista
Cirugía Reconstructiva de la mano y Miembro Superior	Universidad Central de venezuela	1998	Especialista

Additional information

Otros entrenamientos recibidos	Cursos Básico, Medio y Avanzado Universidad de Sinaloa México
Seminarios / Conferencias	Manejo Con Bloqueo del Ganglio Estrellado del Síndrome de Dolor Regional Complejo en el Miembro Superior
Libros / Artículos Publicados	
Asociaciones Profesionales / Consejos editoriales / Tribunales	Sociedad Venezolana de Cirugía Ortopedica y Traumatológica Sociedad Venezolana de Cirugía de la Mano Comités editoriales
Entrenamientos, docencia y cursos Impartidos	Coordinador de La Emergencia de Traumatología del Hospital Universitario de Caracas; desde el Año 1998 al 2015
Premios Científicos	Mención Honorífica al Mejor Trabajo Investigación Año 1998 por el trabajo de tesis "Tratamiento de fracturas complejas del miembro inferior con trasportación osea"
Otros aspectos a destacar	Fundador de los Centros Médicos de Ozono de Venezuela

IV International Congress of AEPROMO
 "For a Professional Practice of Ozone Therapy"
 Spanish Association of Medical Professionals in Ozone Therapy

Curriculum Vitae

Froylán Alvarado Güémez (MEX)

(Summary)

Speakers AEPROMO-
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Field of specialization

Homeopathy, Traditional Chinese Medicine

Education and training

Qualification Name	Institution Name	Date of completion	Type
Surgeon and Medicine Doctor	Autonomous University of Guadalajara	1978	M.D.
Homeopathic Therapeutic	National Polytechnic Institute, Mexico.	1988	Specialty
Acupuncture and Moxibustion	Traditional Chinese Medicine Institute of Beijing, China	1990	Specialty
Neural Therapy	Autonomous University of Guadalajara	2007	Diplomate
Metabolic Disease, Nutrition and Obesity	National Autonomous University of Mexico	2009	Diplomate
Additional information Other / In-house Training	80 Training (nationals and internationals)		
Seminars / Conferences Books	23 scientific contributions in 50 national and international congress		
/ Articles Published	7 papers in national and international journals., many interviews in newspapers and magazine, Docent papers for Basic, Medium and Advanced Training of Ozone Therapy		
Board Certifications/Licensures/ Registrations/ Professional Associations	President of Mexican Association of Ozone Therapy (AMOZON), Vice President of IMEOF, Member of ISCO3, Secretary, Vice President and President of Medical Acupuncturists Mexican Association, Member of: National Association for Diagnostic and Treatment of Autoimmune Diseases; Society for Free Radical Biology and Medicine; Member of AEPROMO; Mexican Collegue of Neural Huneke Therapy; and many others		
Training / Presentations Given	Director and Professor of 27 Acupuncture Training ; Director and Professor of 20 Ozone Therapy training Program of AMOZON; Director of 8 Workshop on ozone injections for pain management of AMOZON; Director of 11 Ozone Discolisis Trainings; 2 Ozone therapy Diplomate.		
Scientific Awards	Invited Professor on international courses in Spain, Argentine, Cuba and Panamá, with speeches about Ozone Therapy. 4 Workshop on Ozone Therapy; 8 Keynotes Honor Member of the Venezuelan Association of Ozone Therapy. In charge of the organising and scientific comitee of the IV Congress of AMOZON.		

IV International Congress of AEPROMO
 "For a Professional Practice of Ozone Therapy"
 Spanish Association of Medical Professionals in Ozone Therapy

Curriculum Vitae

Alvarado Güémez/ Froylán



(Resumen)

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Español

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Homeopatía y Medicina Tradicional China

Entrenamientos y Educación

Nombre de la calificación o especialidad

Institución

Fecha de graduación

Tipo de especialización

Nombre de la calificación o especialidad	Institución	Fecha de graduación	Tipo de especialización
Médico Cirujano	Universidad Autónoma de Guadalajara, México	1978	M.D
Esp. en Terapéutica Homeopática	Instituto Politécnico Nacional, México	1988	Especialista
Especialista en Acupuntura y Moxibustión	Universidad Nacional Autónoma de México	1990	Especialista
Diplomado en Terapia Neural	Universidad Autónoma de Guadalajara	2007	Diplomado
Diplomado en Enfermedades Metabólicas, Nutrición y Obesidad	Universidad Nacional Autónoma de Mexico	2009	Diplomado

Otros entrenamientos recibidos Seminarios / Conferencias

80 Cursos de postgrado . 21 conferencias en 50 congresos nacionales e internacionales

Libros / Artículos Publicados

7 publicaciones en revistas nacionales e internacionales; Materiales docentes para los cursos Básicos, Intermedios y Avanzados sobre Ozonoterapia; muchas entrevistas en periódicos y revistas

Asociaciones Profesionales

Presidente de la Asociación Mexicana de Ozonoterapia (AMOZON), Vicepresidente de IMEOF, Miembro del ISCO3, Secretario, Vicepresidente y Presidente de la Asociación Mexicana de Médicos Acupunturistas,

Entrenamientos, docencia y cursos Impartidos

Asociación Nacional para el Diagnóstico y Tratamiento de las Enfermedades Autoinmunes, Society for Free Radical Biology and Medicine, Member of AEPROMO; Miembro del Colegio Mexicano de Terapia Neural de Huneke y otras.

Director y Profesor de 27 Cursos de Acupuntura; Director and Profesor of 20 Programas de Entrenamiento en Ozonoterapia de AMOZON. Director de 11 Cursos de Discólisis con Ozono y 8 Cursos de Infiltraciones con Ozono para el dolor; 2 Diplomados de Ozonoterapia, 4 Talleres de Ozonoterapia y 8 Conferencias Magistrales. Profesor invitado en España, Argentina, Cuba y Panamá para ofrecer conferencias sobre Ozonoterapia.

Otros aspectos a destacar

Miembro de Honor de la Sociedad Venezolana de Ozonoterapia
 Organizador y Presidente de 4 Congresos de AMOZON.

Curriculum Vitae

Antonio Corralero Romaguera

(Resumen)

Oradores



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Categoría Científica (s)	MD	Especialidad	Anestesiología-Reanimación y Terapia del dolor. Homotoxicología/Homeopatía/Ozonoterapia
Idiomas que domina	Castellano e inglés	Entrenamientos y Educación	<ul style="list-style-type: none"> • Facultad de Medicina : Universidad Complutense de Madrid Plan de Estudios de 1967 • LICENCIATURA del curso 67-68 al curso 74-75. Durante el curso 71-72 por circunstancias ajenas a la Universidad no se impartieron clases en la Facultad de Medicina ni hubo exámenes regulares. • Alumno Interno del Servicio de Medicina Interna (Profesor D. Amador Schüller Pérez) del Hospital Provincial de Madrid durante los cursos 71-72 al 74-75. Con fecha 17 de junio de 1975 con la calificación de SOBRESALIENTE se verificó el último ejercicio del GRADO DE LICENCIADO. • En el curso 74-75 realizó cuatro cursos del DOCTORADO: Urología, Genética clínica, Endocrinología y Cirugía plástica con Matrícula de Honor en Endocrinología.
Nombre de la calificación o especialidad	Médico especialista en Anestesia-Reanimación y tratamiento del dolor.	Fecha de graduación	1967
		Tipo de especialización	MD
Otros entrenamientos recibidos	26		
Seminarios / Conferencias			

Curriculum Vitae

Ivan Alexis / Pacheco Cardenas



(Resumen)

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 Universidad de Carabobo

Fecha de graduación
 1997

Tipo de especialización
 Médico Cirujano

Traumatología y Ortopedia

Additional information

Otros entrenamientos recibidos Traumatología y Ortopedia

Seminarios / Conferencias Conferencista en Pto Vallarta , Congreso Nacional de Fisioterapia y rehabilitación 2011

Libros / Artículos Publicados

Asociaciones Profesionales / Consejos editoriales / Tribunales Sociedad Venezolana de Ozonoterapia, Sociedad Venezolana de Traumatología y Ortopedia
 IVIC (Instituto Venezolano de Investigaciones Científicas)

Entrenamientos, docencia y cursos Impartidos

Premios Científicos

Otros aspectos a destacar

Renate Viebahn-Hänsler(GER)



Bioquímica y Farmaceuta. Secretaria General de la Sociedad Médica Alemana para el Uso del Ozono en Prevención y Terapia y de la Cooperación Europea de Sociedades del Ozono Médico.

Bio-Chemistry & Pharmacology. General Secretary of the German Medical Society for the Use of Ozone in Prevention and Therapy and the European Cooperation of the Medical Ozone Societies.

Curriculum Vitae

Raúl V. Matera

(Resumen)

Oradores



Datos Personales

Afiliación (s)

Dirección Profesional (es)

Nacionalidad

Género

Títulos(s) (Mr./Ms./Mrs/Dr.)

Categoría Académica (s)

Categoría Científica (s)

Idiomas que domina

Especialidad

Entrenamientos y Educación

Nombre de la calificación o especialidad

Argentina

Masculino

Dr.

Profesor titular

M.Sc., Ph.D.

Castellano, inglés

Neurocirujano

MD. Universidad Nacional de La Plata.

Fecha de Nacimiento

17 /12/ 1945.

E-mail

matera@drwebsa.com.ar

Skype

Celular

Teléfono(s)

Lengua materna(s)

Castellano

Fecha de graduación

Tipo de especialización
MD

Additional information

Desde 1989 hasta diciembre de 2002 se desempeñó como Jefe del Servicio de Neurocirugía del Hospital Británico de Buenos Aires. Preside la Fundación Matera, institución de bien público sin fines de lucro que fundó su padre el Prof. Dr. Raúl Matera en 1972.

Realizó numerosos cursos de especialización en el país y en el exterior : Estados Unidos, Brasil, Canadá, Israel , Alemania.

Se destaca su permanente actuación como docente de cursos de post grado dictados en nuestro país y en el exterior.

Escribió más de cien publicaciones sobre la especialidad que fueron editadas en medios científicos nacionales y extranjeros.

La videoteca de la Facultad de Medicina de Buenos Aires guarda el material filmico desarrollado por el Dr. Raúl V. Matera sobre el abordaje de diversas técnicas quirúrgicas.

Seminarios / Conferencias

Innumerables publicaciones, seminarios y conferencias.

Libros / Artículos Publicados

Presidente de la Fundación Matera

Presidente de la Asociación de Ozonoterapia Argentina AMAO.

Asociaciones Profesionales / Consejos editoriales / Tribunales

Miembro fundador de la Sociedad de Cirujanos Neurológicos del Cono Sur. Miembro de la Asociación Argentina de Neurocirugía. Consultor en Neurocirugía de la Liga Argentina de Lucha contra la Epilepsia, entre otras instituciones. Participa activamente como disertante y concurrente en Congresos científicos dictados en nuestro país y en el exterior.

IV International Congress of AEPROMO
 "For a Professional Practice of Ozone Therapy"
 Spanish Association of Medical Professionals in Ozone Therapy

Curriculum Vitae

Adriana Schwartz Tapia

(Resumen)
 Oradores
AEPROMO



Datos Personales

Afiliación (s)	Clínica Fiorela		
Dirección Profesional (es)	Av. Juan Andrés 60, Local 1 Bajo. 28035, Madrid España		
Nacionalidad		Fecha de Nacimiento	18/12/1954
Género	Femenino	E-mail	adriana@aedpromo.org
Títulos(s) (Mr./Ms./Mrs/Dr.)		Skype	
Categoría Académica (s)	Dr	Celular	
Categoría Científica (s)	MD	Teléfono(s)	0034+913732669
Idiomas que domina	Castellano, Ruso, Inglés, Francés, Portugues.	Lengua materna(s)	Español
Especialidad	MD		
Entrenamientos y Educación			
Nombre de la calificación o especialidad	Universidad Amistad de Los Pueblos. Moscú-URRSS	Fecha de graduación	1980
		Tipo de especialización	MD
Especialidad	Ginecología-Obstetricia	1983	MD
Additional information			
Otros entrenamientos recibidos	Máster en manejo del dolor Homeopatía. Medicina Tradicional China		
Seminarios / Conferencias	Múltiples conferencias, seminarios y cursos tanto a nivel nacional como internacional.		
Libros / Artículos Publicados	Guía para el uso médico del ozono: Fundamentos terapéuticos e Indicaciones. Factores de crecimiento derivado de las plaquetas y sus aplicaciones en medicina regenerativa. Potencialidades del uso del ozono como activador. Revistas Española de ozonoterapia. Vol. 1,nº1, pp. 54-73 2011. Ozonotherapy for inflammatory diseases in female genital organs. Revista Española de Ozonoterapia. Vol.1, pp. 3-xx 2011. Ozono y factores de crecimiento en el tratamiento de la hernia discal y discartrosis de columna lumbar. Revista Española de Ozonoterapia. Vol 3, nº 1, pp. 7-9. 2013. La ozonoterapia y su fundamentación científica. Revista Española de Ozonoterapia. Vol. 2, nº 1, pp. 163-198. 2013. Quintero R., Schwartz A. (2012) Ozonotrapia y legislación. Análisis para su regularización. Revista Española de Ozonoterapia. Vol. 2, nº1, pp. 5-49.		
Asociaciones Profesionales / Consejos editoriales / Tribunales	AEPROMO IMEOF ISCO3		
Entrenamientos, docencia y cursos Impartidos	Codirectora del Curso de Experto en Ozonoterapia Universidad Rey Juan Carlos Madrid. 2014.		

Juan López-Laserna Ruiz (SPA)

Avdal. Gran Capitán, 4.5º-2. Córdoba. 14008. Spain.

957475952-957480018. fax.957490049. lasernar@telefonica.net

www.juanlopezlaserna.es



Experience :

1977-1978 House Physician. Teniente Coronel Noreña. Hospital. Córdoba.

1978–1981 Virgen de La Candelaria Hospital. Tenerife. Resident house Physician in the Orthopaedics Department.

1980. Member of the Service Commission in Reina Sofia University Hospital. Córdoba.

1981-1984 Puerto de La Cruz. Tenerife. Chief of the Orthopaedics Surgery Department.

1982-83 Orthopaedics for the Velásquez–Canarias Basketball

1982-1984 Team Orthopaedics Surgery FREMAP Mutual Society Tenerife

1984-1992. Reina Sofia University Hospital .Córdoba. Specialist in Orthopaedic Surgery Department. Leave on 1992

1992-2012 Chief of the Foot and Ankle Unit .San Juan de Dios Hospital.Córdoba.

1992-1998 Chief of Orthopaedic Surgery in the Madin Mutual Society.

1994-1998 Chief of Orthopaedic Surgery in the Cyclops Mutual Córdoba.

Associations:

Member of SECOT.

Vocal of The Spanish Society for Medicine and Surgery of the Foot and Ankle (up to 2009).

Founder Member of The Spanish Society of Hip Surgery.

Member of the Spanish Biomechanical Society.

Member of SATO.

Member of AEPROMO

Member of Editorial Board of the Journal of the SEMCPT

Conferences and Courses:

Secretary of the XV Congress of the AEMCPT 1992.

Organizer of 6 courses of infiltration techniques Locomotive.

Course director of I Live Surgery Foot and Ankle. 2004.

Course Director of Foot and Ankle pathology. College of Physicians of Córdoba, 2005.

President of the 28 Congress Hispano-American of the SEMCPT. Cordoba, 2006.

Director of I Course Live Surgery of the Foot. 2009.

Director of I Course Protocol Clinical of Forefoot Pathology. Cordoba, 2010.

President of Congress SIBB 2011.

Publications:

Chapters in books (Biomechanics and Foot Surgery, SECOT Monograph of the foot and ankle, forefoot pathology, etc). Director of the 4 DVD collection techniques and Ankle Surgery of the foot. Director of DVD Forefoot surgery (Almirall). Speaker at numerous Congress SEMCPT, SIBB, ACEOOT, etc. More than 40 communications in conferences and journals.

Curriculum Vitae

Ruhi Carkir(TUR).

(Summary)

Speakers AEPROMO-
ISCO3



Personal information

Affiliation (s) Mediozon Clinics, Turkey

Professional Address(es) Semsettin Gunaltay Cad. Beyaz Saray Apt. No: 256 K:1 Erenkoy Istanbul Turkey

Nationality Turkish Republic

Date of birth 11/04/1959

Gender Male or Female

E-mail Dr_ruhicakir@yahoo.com

Title (s) (Mr./Ms./Mrs/Dr.) Dr.

Skype

Academic Degree (s)

Mobile +905324360626

Scientific Degree (s) M.Sc., Ph.D. -

Telephone(s) +902163681645

Language Proficiency English

Mother tongue(s) Turkish

Field of specialization M.D. Pediatrics-Family Medicine- Anti-Aging in Preventive Medicine

Education and training

Qualification Name

Institution Name

Date of completion

Type

University / College Name

(Degree / Diploma)

I.U.Istanbul Medical Faculty

1984

M.D.

I.U.Istanbul Medical Faculty

1989

Specialization

Dresden University

2013

M.Sc.

Additional information

Other / In-house Training

Seminars / Conferences

Several (European-World Ozone Congresses, Seminars) more than 30 so far

Books / Articles Published

Biological properties of Ozone in Anti-Aging, General Aspects of Ozone Therapy

Board

ISCO3

Certifications/Licensures/ Registrations/ Professional Associations

Training / Presentations Given

Several (European-World Ozone Congresses, Seminars) more than 40 so far

Scientific Awards

Additional information

IV International Congress of AEPROMO
 "For a Professional Practice of Ozone Therapy"
 Spanish Association of Medical Professionals in Ozone Therapy

Curriculum Vitae

Saltuk Aytacoglu



(Summary)
 Speakers AEPROMO-
 ISCO3

Personal information

Affiliation (s)
 Professional Address(es) 10 Haci Ali Apt. B Blok D:3 Hasan Tahsin Caddesi Ortakoy –Lefkosa - Mersin 10 Turkey
 Nationality TURKEY Date of birth 11/06/1965
 Gender Male E-mail saltukay@hotmail.com
 Title (s) (Mr./Ms./Mrs/Dr.) Mr. Skype
 Academic Degree (s) Senior Mobile +905338706575
 Scientific Degree (s) MD Telephone(s) 00903922287744
 Language Proficiency Mother tongue(s) Turkish
 Field of specialization M.D. and Obst & Gynaecology

Education and training

Qualification Name

<u>Institution Name</u>	<u>Date of completion</u>	<u>Type</u>
Istanbul University Faculty of Medicine	1989	M.D.
Zeynep Kamil Hospital Department of Obst & Gynecology	1993	Spesialist

Additional information

Other / In-house Training

Ozone therapy (Turkish Medical Ozone Association)
 (European Cooperation of Medical Ozone Societies)

Seminars/ Conferences

- Mersin University Faculty of Medicine (Ozone Therapy)- 2010 / 2012
- Gazi University Faculty of Medicine (Ozone therapy indications and application technics)- 2012
- Trabzon University Faculty of Medicine (Ozone Therapy, history of Ozone Therapy and legal status today-post graduate education program)- 2013
- Atatürk University Faculty of Pharmacy (Ozone Therapy and ozonised products for cosmetics and therapy)- 2013
- Atatürk University Faculty of Medicine (Ozone therapy and chronic diseases) - 2013

Organizations

- 2 th International MODER Medical Ozone Symposium 2011 (Head of Symposium)
- 3 th International MODER Medical Ozone Symposium 2012 (Head of Scientific Committee)
- 4 th International MODER Medical Ozone Symposium 2013 (Head of Scientific Committee)

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Curriculum Vitae

Eugeni I. Nazarov



(Summary)

Speakers AEPROMO-
ISCO3

Personal information

Affiliation (s)	Chemistry Dept., Odessa National Polytechnic University, Scientific Production Enterprise "Econika"		
Professional Address(es)	Laboratory str. 1N, Research and Production Enterprise "Econika" Settlement Mizikevicha, Odessa, Ukraine		
Nationality	Russian	Date of birth	26.11.1952
Gender	Male	E-mail	ozoneinfo@yahoo.com
Title (s) (Mr./Ms./Mrs/Dr.)		Skype	einazarov
Academic Degree (s)	Professor	Mobile	+380675573473
Scientific Degree (s)	Ph.D (Bochem.), Dr.Sci. (Tech.)	Telephone(s)	+380487179872
Language Proficiency	english, russian	Mother tongue(s)	russian
Field of specialization	Research of the mechanism of physiological activity complexions and their analogues. -Research of biophysical mechanisms of action of ozone on biological membranes. -Researches in area creation of methods of an estimation of physiological efficiency of ozone therapy and xenon therapy.		

Education and training

Qualification Name	Institution Name University / College Name	Date of completion	Type (Degree / Diploma)
Engineer-researcher	Odessa State University of a name of I.I.Mechnikov	1970-1976	biophysics
Senior scientific employee of laboratory of biophysics	Odessa State University of a name of I.I.Mechnikov	1977 –1983	biophysics

Additional information

Seminars / Conferences	Head of postgraduate course on ozone therapy, Odessa Medical University
Books / Articles Published	The author 81 scientific articles on biophysics and medical problems.
Board	Asian-European Union of ozone therapists
Training / Presentations Given	Training on ozonotherapy ion postgraduate course on ozone therapy 2003-2014 (Issue 540 doctor – ozone therapist). Chief editor of six international conferences on ozone therapy.
Additional information	Managing biophysics laboratory Odessa State University of a name of I.I.Mechnikov. Odessa State University of a name of I.I.Mechnikov 1983-1989. Assoc. Prof., Ph.D. Odessa National Polytechnic University Higher Education Ministry. 1997 – 2002. Assoc. Prof., Ph.D. Dr.Sci, Professor 2008- present. All-Ukrainean association of ozone therapy, 2007 – present. Assoc. Prof., PhD. Executive President of the Asian-European Union of ozonetherapists. May, 2007-present. President All-Ukrainean association of ozonotherapy, Nov.2002-present CEO "Econika SPE Professor consultant of August, 2010-present. International Scientific Committee of Ozonotherapy (ISCO3)

Curriculum Vitae

Vincenzo Simonetti



(Resumen)

Oradores

Datos Personales

Afiliación (s)	Società Italiana Ossigeno Ozonoterapia		
Dirección Profesional (es)	National Board's member of S.I.O.O.T.		
Nacionalidad	Italian	Fecha de Nacimiento	14/11/43
Género	Masculino	E-mail	v.simonetti@tiscali.it
Títulos(s) (Mr./Ms./Mrs/Dr.)	Dr.	Skype	
Categoría Académica (s)	---	Celular	+393426882154
Categoría Científica (s)	M.Sc., Ph.D.	Teléfono(s)	+390115805696
Idiomas que domina	English	Lengua materna(s)	Italiano
Especialidad	General Surgery		
Entrenamientos y Educación	Medicine and Surgery		

Nombre de la calificación o especialidad

Institución	Fecha de graduación	Tipo de especialización (Grado / Diploma)
University of Torino		

Medicina e Chirurgia

Univ. Torino

1970

diploma

Chirurgia Generale

Univ. Torino


1976

diploma

Additional information

Otros entrenamientos recibidos	Master Aesthetic Medicine 1990 Ozonoterapia 1994
Seminarios / Conferencias	Cuba 2010, Rome 2013
Libros / Artículos Publicados	Ozonoterapia in Multiple Sclerosis
Asociaciones Profesionales / Consejos editoriales / Tribunales	S.I.O.O.T.
Entrenamientos, docencia y cursos Impartidos	Ozonoterapia University Pavia

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 Spanish Association of Medical Professionals in Ozone Therapy

Curriculum Vitae	Nabil Mawsouf Mohamed Nabil Mohamed Mawsouf Mahboub		
(Resumen) Oradores			
Datos Personales			
Afiliación (s)			
Dirección Profesional (es)			
Nacionalidad	Egyptian.	Fecha de Nacimiento	13/09/1949.
Género	MALE	E-mail	nabil_mawsouf@yahoo.co.uk
Títulos(s) (Mr./Ms./Mrs/Dr.)		Skype	www.netcmc.com
Categoría Académica (s)	e.j. Profesor titular	Celular	+2010 5060111 Work: + 202 25351475 Residence: +20222740901 Fax +202 22712936
Categoría Científica (s)	MD, Ph.D.	Teléfono(s)	
Idiomas que domina	Arabic, English	Lengua materna(s)	ARABIC
Especialidad	ANESTESIOLOGIST		
Entrenamientos y Educación			
Nombre de la calificación o especialidad	MB, BCH Faculty of Medicine, Cairo University,	Fecha de graduación	Tipo de especialización
		June 1972	MD
	Doctors Degree in Anesthesiology. Faculty of Medicine, Cairo University.	December 1985	
	Diploma in Anesthesiology., Faculty of Medicine, Cairo University	April 1975	
Additional information			
Otros entrenamientos recibidos			
Seminarios / Conferencias			

IV International Congress of AEPROMO
 "For a Professional Practice of Ozone Therapy"
 Spanish Association of Medical Professionals in Ozone Therapy

Curriculum Vitae

Umair Rashid Chaudhry



(Resumen)

Oradores

Datos Personales

Afiliación (s) Department of Neuroradiology Government Lahore General Hospital, Post Graduate Medical Institute Lahore Pakistan

Dirección Profesional (es)

Nacionalidad

Género

Male

Fecha de Nacimiento 01/12/1961

E-mail dr_umairch@yahoo.com
 dr_umair@hotmail.com
 pprc@wol.net.pk
 www.drumair.info

Títulos(s) (Mr./Ms./Mrs/Dr.)

Dr

Skype

Categoría Académica (s)

Celular 0300-4270130

Categoría Científica (s)

MD. M.Sc. Neurovascular

Teléfono(s) 92-42-35810894-8

Idiomas que domina

Res: 92-42-37589666-7
 Fax: 92-42-37572488
Lengua materna(s) English

Especialidad

Intervencionist Neuro-Radiologist

Entrenamientos y Educación

Nombre de la calificación o especialidad

Diploma in Medical and Diagnostic Radiology, Post Graduate Medical Institute, Lahore.

Fecha de graduación

Tipo de especialización
 MD

King Edward Medical College, Punjab University.	1979-85	M.B.B.S
Diploma in Medical and Diagnostic Radiology, Post Graduate Medical Institute, Lahore.College of Physician and Surgeon Pakistan.	1987-89	DMRD
College of community medicine, Punjab University.	1989	M.C.P.S
Neurovascular ParisSud University & Mahidol University, Diseases Thailand	1990	D.P.H.
	2001	M.Sc.

Curriculum Vitae

Nora Bazzano Mastelli (ARG)



(Summary)

Speakers AEPROMO-
 AMOZON-ISCO3

Personal information

Affiliation (s)	IAOHD /AMAOO	Date of birth	08/02/41
Professional Address(es)	Rio Papaloapan 15	E-mail	noryce@gmail.com
Nationality	Argentine	Skype	noracecilia.bazzano
Gender	Female	Mobile	+52 55 6009 3290
Title (s) (Mr./Ms./Mrs/Dr.)	Dr.	Telephone(s)	+00 52 55 4752 1156
Academic Degree (s)	Master	Mother tongue(s)	Spanish
Scientific Degree (s)			
Language Proficiency	Spanish/English		
Field of specialization	Dental		

Education and training

Qualification Name	Institution Name	Date of completion	Type
Bachelor of Science	Teacher	1958	Teacher.
Doctor of Medicine	BsAs University Dental School	1964	DDS
Surgical Residency	Residence at Regional hospital	1978	Orthodontist

Additional information

Other / In-house Training

Seminars / Conferences

During the the last 15 years seminars and conferences in Argentine, Chile, Uruguay , Cuba and Mexico.

Books / Articles Published

Papers in Dental Magazines in Chile and Argentine , and News papers Clarin and Los Andes Arg.

Board

Founding Member IAOHD

Certifications/Licensures/ Registrations/ Professional Associations

AMAOO

Training / Presentations Given

At Congress : Cuba, Mexico ;Argentine Univ of BsAS, post grade schools at Santiago Chile , at Viña del Mar School of dentistry

Scientific Awards

X PREMIACION MUNDIAL EN SALUD IOCIM 2011 - MEXICO -DF
 X PRIZE TO THE MEDICAL BY ACHIVEMENT FOR A BETTER LIFE (PERU)

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 "For a Professional Practice of Ozone Therapy"
 Spanish Association of Medical Professionals in Ozone Therapy

Curriculum Vitae

Nory Bazzano Mastelli



(Resumen)

Oradores AEPROMO-
 AMOZON-ISCO3

Datos Personales

Afiliación (s)	Odontologa Universidad de Bsas Argentina		
Dirección Profesional (es)	-		
Nacionalidad	Argentina	Fecha de Nacimiento	08/02/41
Género	Femenino	E-mail	noryce@gmail.com
Títulos(s) (Mr./Ms./Mrs./Dr.)	Dra./ DDS	Skype	noracecilia.bazzano
Categoría Académica(s)	Master	Celular	+52 55 60093290
Idiomas que domina	Español	Lengua materna(s)	Español
Especialidad	Ortodoncista /odontopediatra /ozonoterapia		
Entrenamientos y Educación			
Nombre de la calificación o especialidad	Fecha de graduación	Tipo de especialización	
Doctor en odontología y DDS	Facultad de Odontologia de Buenos Aires	1964	Grado Universitario
Especialidad: odontopediatra /ortodoncista	Argentina. DDS EEUU	1980	Jefe de servicio
Maestría: Medicina Natural	HOSPITAL Escuela de C. Rivadacia /Argentina	1982	Miembro del BOARD
Additional information			
Otros entrenamientos recibidos	CURSOS DURANTE 40 AÑOS A DISPOSICION DE: PREVENION , ORTODONCIA Y ODONTOPEDIATRIA		
Seminarios / Conferencias	DESDE 1990 A LA ACTUALIDAD DICTANTE DE CURSOS Y CONFERENCIAS sobre ozonoterapia		
Libros / Artículos Publicados	PUBLICACIONES EL REVISTAS , MAGAZINES ODONTOLOGICOS EN ARGENTINA , CHILE Y URUGUAY		
Asociaciones Profesionales / Consejos editoriales / Tribunales	MIEMBRO FUNDADOR DE IAOH MIEMBRO DE AMAOO.		
Entrenamientos, docencia y cursos Impartidos	Fundadora de GO3 system ,dictante de cursos de entrenamiento en Arg. Chile y Uruguay durante los años 2007, 2008, 09,10,11, 12,y parte de 2013		
Premios Científicos	X PREMIACION MUNDIAL EN SALUD IOCIM 2011 - MEXICO -DF PRIZE TO THE MEDICAL BY ACHIVEMENT FOR A BETTER LIFE (PERU)		
Otros aspectos a destacar	Miembro del grupo de investigacion sobre aceites ozonizados en la facultad de agronomia de Mendoza Argentina. Uundadora de "oil therapy ozone " (chile)		

Curriculum Vitae

Mark T Weiser DDS



(Resumen) Oradores

Datos Personales

Afiliación (s)	IAOHD/AAO		
Dirección Profesional (es)	Santa Barbara, California		
Nacionalidad	USA	Fecha de Nacimiento	23/08/1954
Género	male	E-mail	mtw@west.net
Títulos(s) (Mr./Ms./Mrs/Dr.)	Dr	Skype	
Categoría Académica (s)	B.S.	Celular	1-805-453-3802
Categoría Científica (s)	DDS	Teléfono(s)	1-805-899-3600
Idiomas que domina		Lengua materna(s)	English
Especialidad	Dentistry, Educator		
Entrenamientos y Educación			
Nombre de la calificación o especialidad	Institución	Fecha de graduación	Tipo de especialización
Bachelor of Science	University of Pacific	1976	B.S.
Doctorate of Dental Science	University of Pacific	1979	D.D.S.
Additional information			
Seminarios / Conferencias	During the last 10 years I have presented at seminars, conferences and Congresses in Cuba, Brazil, and the USA. Served as Chairman of Odontology Section of last Cuba International Symposium		
Libros / Artículos Publicados	Co-author with Dr Judit Martinez from Cuba on Ozone Safety in the Dental Clinic, Effects of ozone on treating Periodontal Disease, published Cuban national Journal Jan 2014, Co-author of upcoming Ozone Applications with Dr Silvia Menendez from Cuba.		
Asociaciones Profesionales / Consejos editoriales / Tribunales	Founding member IAOHD. Member of AAO Educator with Pathfinders Institute in USA Chairman of Dental Ozone Therapies Group, education group from USA		
Entrenamientos, docencia y cursos Impartidos	At Congresses Cuba International Ozone Symposium, Brazil Ozone Society Conference, AAO and IAOHD meetings (chair), Certified Ozone User from AAO Group, Speaker at AAO and IAOHD meetings, as well as organized ozone education courses offered thru Dental Ozone Therapies Group and Pathfinders Institute in California		

Julian Charles Holmes

Address: 5 Little Kimble. Cnr Avenue & Marie Street. Newlands 7700.
Cape Town. South Africa
Mobile (SA) 0847 224469
Email: <drjulianholmes@gmail.com>



Dr Julian Holmes qualified from Sheffield University in Geography and Archaeology in 1978, and returned to Sheffield Dental & Medical School to read Dentistry in 1980.

After qualifying in 1985 he left to work in Spain and Gibraltar, returning to the UK in 1995 to set up his own Private Dental Care Practice in Berkshire. This was sold in 2004 to concentrate full time on research and lecturing. He has since authored or co-authored over 60 published papers, presented clinical papers & research, trained dentists & doctors, and lectured in most countries around the world at over 200 clinical meetings.

He now lives in South Africa, after coming here to lecture over 20 years ago. He and his wife have a home in Newlands, Cape Town.

Dr Holmes acts as Clinical Director to Asanti-Pihani Pty and Grey Cell Enterprises CC. He is the current President of the International Association for Ozone in Healthcare & Dentistry and Scientific Officer to the Ozone Association of South Africa. Previous to that, Dr Holmes worked part-time as a dentist in the UK and Ireland, with teaching and training responsibilities for new dentists. He is a Member of the South African Association of Integrative Medicine, and the South African Natural Healers Association.

He has designed dental equipment for GCE, Ozi-Cure and Lime Technologies, as well as acting as Clinical Advisor and Clinical Director of these companies. Dr Holmes researched and wrote the Clinical Protocols for the HealOzone (KaVo), as well as the CE Certification & Clinical Protocols for the Ozi-Cure (O3, South Africa), the CMU3 (Lime Technologies, Ireland, SA, UK) and the CMU4 (Grey Cell Enterprises CC SA).

He holds two patents in South Africa; the patent filing reference numbers are: 2005/4328 entitled DRESSINGS; and 2005/3776 entitled GAS-LIQUID CONTACTOR in South Africa. He has registered a number of Trade Names and Marks, and is involved in providing access to low cost health care using natural local products in the South African disadvantaged communities.

He has a number of studies currently running, looking at the effects of ozonated liquids in dental disease control, HIV and skin conditions. In 2006 a pilot study in Africa showed effective treatment for HIV with ozonated plant oils, and this has been expanded to a 40-subject HIV study in Cape Flats, Cape Town. This study started February 2014, and will report in April 2014. A 200-Subject HIV study is being formulated with interested parties in KZN that is estimated to start in June 2014, reporting in September 2014.

Curriculum Vitae

Viviana Clelia Lüdi Etchevarren



(Resumen)

Oradores AEPROMO-
 AMOZON-ISCO3

Datos Personales

Afiliación (s)	Facultad de Medicina y Odontología, USC. Clínica Dental Socorro		
Dirección Profesional (es)	Avda. Gutierrez Mellado 11 – 4º A – Pontevedra – España.		
Nacionalidad	Española	Fecha de Nacimiento	15/06/1957
Género	Femenino	E-mail	vivianaludi@hotmail.com
Títulos(s) (Mr./Ms./Mrs/Dr.)		Skype	
Categoría Académica (s)	Profesora Tutora clínica	Celular	0034-606803652
Categoría Científica (s)		Teléfono(s)	0034-986-855489
Idiomas que domina		Lengua materna(s)	Española
Especialidad	Odontóloga		
Entrenamientos y Educación			
Nombre de la calificación o especialidad	Institución	Fecha de graduación	Tipo de especialización
Odontología	USC	1995	Licenciatura
Tesina	USC	1996	Grado
Curso de Especialista Universitario en Patologías Médico-Quirúrgicas Orales.	Universida de Da Coruña	1997	Diploma
Programa de doctorado Avances Científicos e iniciación a la investigación en Odontoestomatología	Universidad de Sgo. De Compostela	2009	Diploma
Additional information	Curso: Nuevas ideas y técnicas para la resolución de los problemas en endodoncia.		
Otros entrenamientos	Conferencia magistral: Instrumentación mecánica rotatoria. Otros avances en la adhesión.		
Libros / Artículos Publicados	Libro: Prácticas preclínicas Odontología Conservadora y Prácticas preclínicas Endodoncia Artículos: Quintessence internacional, EDSA Magazine autumn 09.		
Asociaciones Profesionales / Entrenamientos, docencia y cursos Impartidos	Sociedad Española de Odontología Conservadora (SEOC) Profesora Tutora Clínica de Patología y Terapéutica Dental II, USC. Profesora colaboradora de Master Internacional Teórico-Práctico en la USC. Conferencias: sobre ozono en Odontología, endodoncia y microscopio odontológico.		
Otros aspectos a destacar	Inventora: Modelos de Utilidad: Agujas microperforadas y cubetas microperforadas . Asesora técnica en odontología de la empresa "GMB OZONE". Comité organizador: Master y curso de especialización teórico-práctico de endodoncia avanzada. Comité organizador:VI, XII y XIX Congreso SEOC.		

Velio Bocci(ITA)

Department of Physiology, University of Siena, via A. Moro 2, 53100 Siena, Italy. Phone: +39 (0)577 234226; Fax: +39 (0) 577 234219. Email: bocci@unisi.it

The Ministry of Education has nominated (May 2003) him Emeritus Professor at the Department of Physiology, University of Siena. Member of ISCO3

He was born in Siena, Italy, on December 21st of 1928. In 1947, although he had been awarded a disliked accountant degree, he was able to enrol as a medical student at the University of Siena in 1948 and he was the first of his course to be awarded the Medical Doctor degree in July 1954 with 110/110 cum laude.

He has personally contributed to develop three clinical trials, of which two at the Siena University Polyclinic: the first regarding age-related macular degeneration (dry form) (1996-2001) and the second regarding chronic limb ischemia (2002-2005). Both studies, reported in international journals, have well clarified the great advantage of ozonotherapy in comparison to orthodox treatments. A third study (1998-2000) was performed at the hospital at San Patrignano (Rimini) to evaluate the effect of ozonated autohemotherapy in HIV infection. An improvement of the quality of life was noted but the infection was not modified. Moreover, he has gratuitously practiced ozonotherapy in a charity clinic (Misericordia at Taverne D'Arbia, Siena) from 2005 up to March 2008: While excellent results were achieved in various ischemic diseases, with the exception of a transitory feeling of well-being, preterminal cancer patients with liver and lungs metastasis, previously heavily treated with chemotherapy, did not show any improvement.

He is the author of about 480 publications and monographs, mostly published in international, peer-reviewed journals including a book on Interferons (1993) and three books on oxygen-ozone therapy (2000, 2002, 2005). The last two are in English: Oxygen ozone therapy. A critical evaluation, pag 1-440, 2002, Kluwer Academic Publishers Dordrecht, The Netherlands and the second: Ozone. A new medical drug. pag. 1-295, 2005, Springer, Dordrecht, The Netherlands. The second edition of the latter book has been just printed. So far, these books have been translated into Chinese, Japanese and Greek. In 1995, he was awarded the Hans Wolff prize for innovative researches in the field of ozonotherapy. By considering him the top expert of ozonotherapy, the International Ozone Association (Zurich) invited him to hold the lecture on "Ozone in Biology and Medicine" at the International Ozone Symposium (Basel, October 21-22 1999) during the 200th Anniversary of the birth of the ozone discoverer C.F. Schönbein. He was awarded the "Stramezzi" prize for his books on ozonotherapy by the Academy of History of Medical Art in Rome (October 2003). The reader may be interested in five recent reviews, which briefly give a fair idea of the basic biology and usefulness of ozonotherapy in Medicine: **(1)**Scientific and medical aspects of ozone therapy: State of the art. Archives of Medical Research, 37 (2006) 425-435; **(2)**Is it true that ozone is always toxic? The end of the dogma. Toxicology and Applied Pharmacology, 216 (2006) 493-504 **(3)**The case for oxygen-ozonotherapy. British J. of Biomedical Science, 64 (2007) 44-49 **(4)** Basic Biological and Therapeutic effects of Ozonotherapy in Human Medicine, Review published by UNESCO-EOLS Encyclopedia, 2008 and **(5)** The ozone paradox: ozone is a strong oxidant as well as a medical drug, Medicinal Research Reviews.29, (2009) 646-682. They are available on request. All the other papers can be traced in PubMed. He owns also three US patents.

More information in <http://www.isco3.org/files/BocciBioByRobertoQuintero.pdf>



IV International Congress of AEPROMO
 "For a Professional Practice of Ozone Therapy"
 Spanish Association of Medical Professionals in Ozone Therapy

Curriculum Vitae

Gregorio Martínez-Sánchez (CUB)

(Summary)

Speakers AEPROMO-
 AMOZON-ISCO3



Personal information

Affiliation (s) Medical Center Beauty Benefit s.r.l
Professional Address(es) Via Monsignor Oscar Romero 31, 60027 Osimo, AN, Italy
Nationality Cuban **Date of birth** 11/12/1967
Gender Male **E-mail** gregorcuba@yahoo.it
Title (s) (Mr./Ms./Mrs/Dr.) Dr. **Skype** gregorcuba
Academic Degree (s) Senior Professor **Mobile** +39 3333358310
Scientific Degree (s) Pharm. D., Ph.D. **Telephone(s)** +39 338 7124283
Language Proficiency English, Italian, German **Mother tongue(s)** Spanish
Field of specialization Oxidative stress, Ozone therapy, Clinical and pre-clinical Pharmacology and Toxicology

Education and training

Qualification Name	Institution Name	Date of completion	Type
B.Sc. Pharmacy Science	Univ. of Havana, Cuba (with Honors)	1990	B.Sc. Pharm. Dr.
Master in Pharmacology	University of Havana, Cuba	1998	M.Sc.
Dr. in Pharmacy Science	Univ. of Havana, Cuba (with Honors)	2001	Ph.D.

Additional information

Other / In-house Training 27 career related to his specialty with outstanding results
Seminars / Conferences 120 scientific contributions in 94 Cuban and international congress
Books / Articles Published 169 scientific papers: 46 as abstract, 105 as extending manuscripts in international journals, 1 multimedia and 17 books
Board Cuban Association of Pharmacologists / International Union of Pharmacology
Certifications/Licensures/ Registrations/ Professional Associations Society for Free Radical Biology and Medicine (SFRBM), a constituent member of the International Society for Free Radical Research (ISFRR). August 29, 2005.
 Cuban Association of Pharmacists / International Pharmaceutical Federation
 Cuban Association of Toxicologists /Cuban Association of Free Radicals
 Spanish Association of Professional in Ozone Therapy (AEOPROMO)
 International Scientific Committee of Ozone therapy (ISCO3)
Training / Presentations Given Tutor of 19 Diploma Projects for Bachelor Degree, 8 for Master degree and 5 for Ph.D. degree. Lectures in Cuba, Italy, Spain, Honduras, Venezuela, Germany and Chile. Post-doctoral training in Univ. of Milan, Italy (2000), in the Center for Research of Antioxidant Therapies (Humboldt grand), Germany (2004) and in the European Center of Oncology Italy, (2006).
Scientific Awards Cuban Academy of Sciences: Commemorative Currency "XXX Anniversary". In 1999, 2002, 2004, 2005 and 2006, yearly prize.
 Prize "Top Scientist 2008" by International Biographical Centre of Cambridge.

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Curriculum Vitae

Manuel Antonio / Gómez Moraleda



(Resumen)

Oradores AEPROMO-
 AMOZON-ISCO3

Datos Personales

Afiliación (s)	Medozono S.L.		
Dirección Profesional (es)	C/Manuel Moreno, 61, 08339 Vilassar de Dalt, Barcelona, España. Tel: +34 937507331		
Nacionalidad	Español	Fecha de Nacimiento	22/10/1946
Género	Masculino	E-mail	mgomez@naturozone.com
Títulos(s) (Mr./Ms./Mrs/Dr.)		Skype	
Categoría Académica (s)	Investigador titular	Celular	+34 609486102
Categoría Científica (s)	Ph.D.	Teléfono(s)	+34 937507331
Idiomas que domina	Inglés, italiano.	Lengua materna(s)	español
Especialidad	Dr. en Ciencias Químicas		

Entrenamientos y Educación

Nombre de la calificación o especialidad	Institución	Fecha de graduación	Tipo de especialización
Lic. en Química	Univ. De La Habana	1973	Licenciatura en Química
Dr. en Ciencias Químicas	Centro Nac. de Investigaciones Científicas de Cuba.	1983	PhD en Ciencias Químicas

Additional information

Seminarios / Conferencias

150 ponencias en 30 eventos. Conferencias en 30 Instituciones de Salud en Cuba, la Universidad Autónoma de Ciudad México, el Instituto de Química-Física de la Academia de Ciencias de la URSS, el Hospital Santa Corona (Garbagnate-Milanese), de Milán, la Universidad Técnica de Parma, la Universidad de Málaga y las III Jornadas Triveneto de la Asociación Italiana de Investigación y Actualización Científica, en Padua, etc.

Libros / Artículos Publicados

60 artículos, 40 resúmenes, 7 en revistas internacionales.

Asociaciones Profesionales / Consejos editoriales /

Sociedad Española de químicos Cosméticos, AEPROMO, SEOT.
 Revista CENIC Ciencias Químicas, Revista CENIC Ciencias Biológicas

Entrenamientos, docencia y cursos impartidos

3 tutorías (PhD y Especialista de 2º Grado), 15 cursos impartidos.

Premios Científicos

2 Distinciones Científicas de la Academia de Ciencias de Cuba, 2 Distinciones Científicas otorgadas por el Ministerio de Educación Superior de Cuba, varios Premios al Mérito Científico Técnico, otorgados por diferentes Instituciones en Cuba, uno de ellos, en 1992, por un trabajo de generalización titulado: "Desarrollo de las aplicaciones del ozono en Cuba".

Otros aspectos a destacar

Ha sido: Director de la División de Química del CNIC de Cuba.
 Director Fundador del Centro de Investigaciones del Ozono de Cuba.
 Director del Programa Nacional de Introducción de la Ozonoterapia en Cuba.
 Miembro de la Comisión de Control Estatal de Medicamentos de Cuba, que revisó y completó las investigaciones preclínicas acerca de la ozonoterapia, para su aprobación en Cuba.

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Curriculum

Vivian Borroto Rodríguez (CUB)



(Summary)

Speakers
 AEPROMO-
 AMOZON-ISCO3

Personal information

Affiliation (s)	Institute of Neurology and Neurosurgery		
Professional Address(es)	29 St. and D, Vedado. Havana, Cuba.		
Nationality	Cuban	Date of birth	29/05/1967
Gender	Female	E-mail	vivian.borroto@infomed.sld.cu
Title (s) (Mr./Ms./Mrs/Dr.)	Dr.	Skype	
Academic Degree (s)	Auxiliary Professor	Mobile	+535- 3300825
Scientific Degree (s)	Master	Telephone(s)	+537- 2650714
Language Proficiency	Spanish	Mother tongue(s)	Spanish
Field of specialization	Community Medicine		

Education and training	Institución	Fecha de graduación	Tipo de especialización
Medical Doctor	Faculty of Med. Sc. Calixto García of the Superior Institute of Medical Sciences, Univ. of Havana, Cuba	1991	University
Specialty of Community Medicine	Faculty of Med. Sc. Finlay-Albarrán of the Superior Institute of Medical Sciences, Univ. of Havana, Cuba	1995	I Degree
Master: Natural and Bioenergetic Medicine	Faculty of Med. Sc. Finlay-Albarrán of the of the Superior Institute of Medical Sciences, Univ. of Havana, Cuba	2007	Master
Additional information	<p>Other / In-house Training 35 Post-graduate courses received: 36 Lectures in national and international congress</p> <p>Seminars / Conferences 8 Internationals and nationals articles. 16 summaries, 2 in international journals, 3 CD run, 1 book</p> <p>Books / Articles Published Integrant of the publishing committee of the Web Page of Physical Agents, it is part of the portal of the Cuban Rehabilitation.</p> <p>Board Member of the Scientific Council of the Integral University Clinic "Ramp", in the Havana, Cuba</p> <p>Certifications/Licensures/ Registrations/ Professional Associations President of the Cuban Society of Ozone Therapy. Member of Society of Natural and Bioenergetic Medicine of Cuba, Member of Cuban Society of Physical Medicine and Rehabilitation, Member of Cuban Society of Natural and Traditional Medicine</p> <p>Training / Presentations Given 36 Scientific works realized: 30 Post graduated courses; 5 Thesis Tutorial; 42 Lectures</p> <p>Scientific Awards 5 prizes in Forums of Science and Technique, in the Havana, Cuba</p> <p>Other relevant topics Expert in Ozone therapy of the National Group of the Specialty of Traditional and Natural Medicine of the Ministry of Public Health of Cuba, specialty rector of this therapy in Cuba. In the last 5 years has participated as main investigator in 9 investigation projects attributed to the University of the Havana and as collaborator in 16 investigations. The Doctoral Program is in advance. Professor of the National Basic Course of Ozone therapy and Chief of Ozone therapy Group of the Ministry of Public Health of Cuba. Vice-president. IMEOF</p>		

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Curriculum Vitae

Vivian Borroto Rodríguez



(Resumen)

Oradores AEPROMO-
 AMOZON-ISCO3

Datos Personales

Afiliación (s)

Dirección Profesional (es)

Nacionalidad

Género

Títulos(s) (Mr./Ms./Mrs/Dr.)

Categoría Académica(s)

Categoría Científica (s)

Idiomas que domina

Especialidad

Entrenamientos y Educación

Nombre de la calificación o especialidad

Instituto de Neurología y Neurocirugía

Calle 29 esq. D, Vedado. La Habana, Cuba.

Cubana

Femenino

Dra.

Profesora Auxiliar

Máster

Español

Medicina General Integral

Fecha de Nacimiento

29/05/1967

E-mail

vivian.borroto@infomed.sld.cu

Skype

Celular

+535- 3300825

teléfono(s)

+537- 2650714

Lengua materna(s)

Español

Nombre de la calificación o especialidad	Institución	Fecha de graduación	Tipo de especialización
Doctor en Medicina	Facultad de C. Méd. Calixto García Instituto "Superior de Ciencias Médicas, Univ. de la Habana, Cuba	1991	Grado Universitario
Especialidad: Medicina General Integral	Facultad de C. Méd. Finlay-Albarrán Instituto "Superior de Ciencias Médicas, Univ. de la Habana, Cuba	1995	Primer grado
Maestría: Medicina Natural y Bioenergética	Facultad de Ciencias Médicas Finlay-Albarrán Instituto "Superior de Ciencias Médicas, Univ. de la Habana, Cuba.	2007	M.Sc.

Additional information

Otros entrenamientos
 35 cursos de post-grado recibidos

Seminarios / Conferencias
 36 ponencias en eventos científicos nacionales e internacionales

Libros / Artículos Publicados
 8 artículos, 16 resúmenes, 2 en revistas internacionales, 3 multimedia, 1 libro

Asociaciones Profesionales / Consejos editoriales / Tribunales
 Presidenta de la Sociedad Cubana de Ozonoterapia, Miembro de la Sociedad Cubana de Medicina Física y Rehabilitación.
 Miembro de la Sociedad Cubana de Medicina Natural y Tradicional.
 Integrante del comité editor de la Página Web de Agentes Físicos, forma parte del portal de la Rehabilitación Cubana.
 Miembro del Consejo Científico del Policlínico Universitario Rampa, en la Habana, Cuba.

Entrenamientos, docencia y cursos Impartidos
 Resumen de tutorías 5. Conferencias impartidos 42
 36 Proyectos de Investigación realizados. 30 Cursos de post grado impartidos

Premios Científicos
 5 premios en Fóruns de Ciencia y Técnica, en la Habana, Cuba

Otros aspectos a destacar
 Es la Experta en Ozonoterapia del Grupo Nacional de la Especialidad de Medicina Tradicional y Natural del Ministerio de Salud Pública de Cuba, especialidad rectora de esta terapia en Cuba.
 Presidenta de la Sociedad Cubana de Ozonoterapia
 En los últimos 5 años ha participado como investigadora principal en 9 proyectos de investigación adscritos a la Universidad de la Habana y como colaboradora en 16 investigaciones. Está haciendo el Doctorado.
 Es profesora Titular del Curso Básico Nacional de Ozonoterapia y del Diplomado Nacional de Ozonoterapia del Ministerio de Salud Pública de Cuba. Vicepresidenta de IMEOF.

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Curriculum Vitae

Peretyagin Sergey Petrovich



(Resumen)
Oradores

Datos Personales

Afiliación (s) Research Institute of Traumatology and Orthopaedics, Nizhny Novgorod, Russia
Dirección Profesional (es) 603155, Russia, Nizhny Novgorod, Verhne-Volzhsкая embankment,18

Nacionalidad Russian

Fecha de Nacimiento

05. 04. 1946

Género Masculine

E-mail

psp_aro@mail.ru

Títulos(s)
(Mr./Ms./Mrs/Dr.)

Gorky Medical Institute
 Kazan Medical Institute
 Higher Certifying Commission
 Moscow, Russia

MD 1970. PhD 1976
 Doctor of Medical Sciences
 1991
 Professor 2004

Categoría Académica (s)

Professor

Celular

+ 8 910 391 79 98

Categoría Científica (s)

Doctor of Medical Sciences

Teléfono(s)

+7 831 4 36 25 31

Idiomas que domina

Russian / English

Lengua materna(s)

Russian

Especialidad

pathophysiology, traumatology

Nombre de la calificación o especialidad

Institución

Fecha de graduación

Tipo de especialización

Doctor – House-surgeon of The Burn Center
 Doctor of regiment
 Research assistant of Department of General Surgery
 Head Scientific Researcher, Head of Department in The Central Scientific Research Laboratory
 Substitute of Head Doctor in Scientific and Practice Work
 Leader of Russian Burn Center. Head Scientific Researcher
Head of Department of Experimental Medicine

Research Institute for Traumatology and Orthopedics, Nizhny Novgorod
 Service in the Soviet Army
 State University of Mordovi
 State Medical Academy, Nizhny Novgorod
 State Medical Academy, Nizhny Novgorod
 Regional Medical Diagnostic Center, Nizhny Novgorod
 Research Institute for Traumatology and Orthopedics, Nizhny Novgorod
 Research Institute for Traumatology and Orthopedics, Nizhny Novgorod

1970 -1972
 1972 -1974
 1974 -1976
 1976 – 1977
 1978 -1987
 1987 -1993
 1993 -1997
 1997- 2010
 2010- at present

Additional information

In 80 - 90th years was the initiator, the developer of the new scientific directions - technologies of ozone using in medicine, the development and organization of the services of ozone therapy in medical practice, production of ozonizer medical technology, organization, and in conducting nine Russian scientific-practical conference " Ozone in biology and medicine-not" (N. Novgorod city since 1992 to 2013). Since 1994 he organized the educational process in Nizhny Novgorod medical Academy as postgraduate cycle for doctors of "Fundamentals of ozone therapy". For 20 years has trained more than 1500 specialists of ozone therapy. Are a member of the problem Commission "Thermal destruction" of the scientific Council of the Russian Federation, a member of the specialized dissertation on Board D 212.117.08 at the Mordovian state University, President of the Association of Russian ozone therapy Association headed the scientific-methodical Council. Publish activity is more than 200 publications, the author of the scientific discovery, have 17 patents
 miembro titular de la Academia Internacional de Autores de Descubrimientos Científicos e Invenciones miembro de pleno derecho de la Academia Europea de Ciencias

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Curriculum Vitae

Borrelli Emma



(Summary)

Speakers AEPROMO-ISCO3

Personal information

Affiliation (s)	Department of Medical Biotechnologies, University of Siena, Italy		
Professional Address(es)	Department of Medical Biotechnologies, Policlinico Le Scotte ,Viale Bracci 1 53100 Siena,Italy		
Nationality	Italian	Date of birth	14/11/1962
Gender	Female	E-mail	ebitaly2007@libero.it
Title (s) (Mr./Ms./Mrs/Dr.)	Dr	Skype	
Academic Degree (s)	Contract Professor,Laboratory Director	Mobile	+39 3488732739
Scientific Degree (s)	MD,PhD	Telephone(s)	+39 0577 585745
Language Proficiency	english	Mother tongue(s)	italian
Field of specialization	MD, specialty in Pulmonary Disease , oxygen ozonotherapy, complementary medicine		

Education and training

Qualification Name	Institution Name	Date of completion	Type
Medical Doctor (Laurea Medicina e Chirurgia)	University of Siena	1986	M.D.
PhD Cardiopulmonary Pathophysiology	University of Modena	1992	PhD
Specialty, Pulmonary Disease	Universty of Pisa	1996	

Additional information

Other / In-house Training	Fellow, Department of Intensive Care unit, University of Geneva, Switzerland
Seminars / Conferences	Director Postgraduate course on Oxygen ozonotherapy, university of siena
Books / Articles Published	1 book on ozone therapy, 35 publications on ozone therapy
Board	FIO (Italian federation on ozonotherapy)
Certifications/Licensures/	Certification on complementary medicine
Training / Presentations Given	Training on ozonotherapy (more than 500 h), lessons (more than 300 h), presentations (25)
Scientific Awards	Poster award, European Congress on intensive care, 1992
Additional information	

Curriculum Vitae

Santos Martín Martínez



(Resumen)

Oradores AEPROMO

Datos Personales

Afiliación (s)	Clinica Dr Santos		
Dirección Profesional (es)	Rbla. J. Tarradellas 3 08402 Granollers		
Nacionalidad		Fecha de Nacimiento	10/08/1955
Género	Masculino	E-mail	26185smm@comb.es
Títulos(s) (Mr./Ms./Mrs/Dr.)		Skype	Dr.santos.martin
Categoría Académica (s)	e.j. Profesor titular	Celular	+34 607447414 o i
Categoría Científica (s)	Dr. med	Teléfono(s)	+ 34 938701153
Idiomas que domina	Alemán, Inglés	Lengua materna(s)	Español
Especialidad	Oncología medica		
Entrenamientos y Educación	Docente en masters Universitarios		
Nombre de la calificación o especialidad	Institución	Fecha de graduación	Tipo de especialización
Oncología	Univ. Tübingen	1996	
Máster Medic Medioambiental	Univ heidelberg	2001	Diploma.
Máster Ozonoterapia	Univ Sevilla.	2011	Diploma
Additional information			
Otros entrenamientos recibidos	Homeopatía, Medicina natural, Hipertermia, Galvanoterapia		
Asociaciones Profesionales / Consejos editoriales / Tribunales	Deuts. Gesellsch. Onkologie (DGO) European Oncology Society for Hyperthermia.		

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Curriculum Vitae

Bitkina Oksana Anatolievna



(Resumen)

Oradores

Datos Personales

Afiliación (s)

Dirección Profesional (es) 603600 Department of Dermato-venereology of Nizhny Novgorod State Medical Academy. h.49, Kovalichinskaya street, Nizhny Novgorod, Russia

Nacionalidad

RUSA

Fecha de Nacimiento

11/ Aug/1968

Género

Femenino

E-mail

@

Títulos(s) (Mr./Ms./Mrs/Dr.)

Skype

Categoría Académica (s)

Profesor titular

Celular

(910)3823945

Categoría Científica (s)

M.Sc., Ph.D.

Teléfono(s)

(8314) 4 35 00 02,
work. (8314)382582

Idiomas que domina

Russian, English

Lengua materna(s)

Russian

Especialidad

MD Dermatologist

Entrenamientos y Educación

Nombre de la calificación o especialidad

Fecha de graduación

Tipo de especialización

Additional information

Ph.D. Thesis "Scientific rationale of ozone treatment of rosácea and acne"

Seminarios / Conferencias

Participation in international conferences:
 12th World Congress "Ozone in medicine", 1995, Lille, France;
 Zalzburg medical seminar "Infectious diseases", April 2003, Zalzburg, Austria;
 Symposium "Manfaat Terapy Ozon" 12 June 2004 Jakarta, Indonesia
 IV National Acupuncture congress, Sofia, October 18-21, 2007
 1st International Congress of ozone therapy federation, 16-19.10.2008, Mexico, Mexico
 AEPROMO Congress "New horizons of ozone therapy", Pontevedra, Spain, June 2009
 International Meeting of Ozone Therapy Schools.-3-5.06.2010, Madrid, Spain
 Internship AAF 1-25.07.2008 Vena, Division of Infectious Diseases, Allergy and Immunology, Department of Dermatology. Supervisor – Pr. G. Stingl
 Training course for ozone therapists, Tryavna, Bulgaria, August, 2007

Libros / Artículos Publicados

74

Entrenamientos, docencia y cursos Impartidos

Docent (Associate Professor) of Department of Dermatovenereology since 1993.

Curriculum Vitae

Mercedes Hernández Avilés



(Resumen)

Oradores AEPROMO-
 AMOZON-ISCO3

Datos Personales

Afiliación (s)	Clínica Veterinaria DRAMP		
Dirección Profesional (es)	C/ Juan XXIII 69- Araganda del Rey- Madrid- España		
Nacionalidad	Española	Fecha de Nacimiento	01/ 06/ 55
Género	Femenino	E-mail	bertaviles@gmail.com
Títulos(s) (Mr./Ms./Mrs/Dr.)	Veterinaria	Skype	
Categoría Académica (s)	Licenciada	Celular	+0034667522440
Categoría Científica (s)	..	Teléfono(s)	+0034918716617
Idiomas que domina	Francés Medio Inglés básico	Lengua materna(s)	Español
Especialidad	Veterinaria clínica. Especialista en pequeños animales.		

Entrenamientos y Educación

Nombre de la calificación o especialidad	Institución	Fecha de graduación	Tipo de especialización
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Medicina Veterinaria	Universidad Complutense	1985	Licenciatura
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Additional information

Otros entrenamientos recibidos Cursos de Etología, Parasitología, Endocrinología, Cirugía, Dermatología, Hematología, PRP, Acupuntura, Ozonoterapia. Desde 1985 hasta la actualidad.

Seminarios / Conferencias Asistencia a casi todos los Congresos de AMVAC desde el año 1985. Seminarios de Medicina Interna. Cirugía. Endocrinología. Dermatología y Etología, todos los años desde 1985. Ozonoterapia desde 2011

Libros / Artículos Publicados Artículo publicado en la Revista Española de Ozonoterapia.

Asociaciones Profesionales / Consejos editoriales / AMVAC. AVEPA. AEPROMO SEOT

Entrenamientos, docencia y cursos Impartidos Primer curso de Ozonoterapia en la Facultad de Veterinaria de Madrid. 2013
 Curso de Ozonoterapia en la Facultad de Veterinaria de la Universidad Cardenal Herrera –CEU de Valencia 2013

Ponencia en el Tercer Congreso de AEPROMO en junio de 2012

Premios Científicos Reconocimiento por la ponencia en el Tercer Congreso de AEPROMO de 2012

IV International Congress of AEPROMO
 "For a Professional Practice of Ozone Therapy"
 Spanish Association of Medical Professionals in Ozone Therapy

Curriculum Vitae

Tetiana Barkhotkina

(Resumen

Oradores
 AEPROMO-
 AMOZON-
 ISCO3

Datos Personales



Afiliación (s)	Centro médico " Puls-tera", Universidad politécnica nacional de Kharkov, Ucrania		
Dirección Profesional	Universidad politécnica nacional KhPI, c. Frunze 21, Kharkov, Ucrania +380577076937		
Nacionalidad	Ucrania	Fecha de Nacimiento	16/12/1963
Género	femenino	E-mail	toshige@yandex.ru
Títulos(s)	dra	Skype	madridreal456
Categoría Académica (s)	El docente de la cátedra de electrónica biomédica de univ. politécnica nacional.	Celular	+380675769952
Categoría Científica (s)	PHD	Teléfono(s)	+380686300946
Idiomas que domina	Ruso, ucraniano, español (nivel B1)	Lengua materna(s)	rusa
Especialidad	Dra. en medicina, otorrinolaringólogo		

Especialidad	Institución	Fecha de graduación	Tipo de especialización
La cirugía infantil otorrinolaringología infantil	Universidad médica Kharkov, Ucrania regional hospital de Universidad médica, Kharkov	1989 1990	e.j. Primer grado e.g. M.Sc.
otorrinolaringología otorrinolaringología con oftalmología	Universidad médica Kharkov, La universidad médica nacional Kharkov, Ucrania	1994-1996 1997-2000.	Los estudios de posgraduados clínicos Ph.D
otros entrenamientos recibidos	-Cursos de mejora de calificación "Otorrinolaringología" Academia de educación postgrado, 1991. -Cursos de mejora de calificación «Métodos de detoxicacion con ozonoterapia». Rusia, 1999 -Cursos "Preguntas actuales de ozonoterapia" Ucrania, 2001 -Cursos de mejora de calificación "Otorrinolaringología". Academia de educación postgrado, 2005. -Ozone workshop "Ozone in Rheumatology and myofascial Pain Syndrome", Alemania 2011 -"Discolisis: practica en cadáveres y simuladores. Infiltraciones con ozono en clínica del dolor. España 2012 -Las clases del maestro "el curso Intenso de la enseñanza al método PRP". Ucrania, 2013 -Curso de Ozonoterapia en otorrinolaringología, linfología e ginecología. (como profesora). 2013 -Ozone workshop "Ozone in cronic Pain Joint Diseases and Rheumatology" Alemania 2013 Cursos de mejora de calificación "Otorrinolaringología" Academia de educación postgrado, 2013.		
Asociaciones Profesionales Seminarios / Conferencias	-La asociación de toda la Ucrania de los ozonoterapeutas y los productores de la maquinaria médica para ozonoterapia. El presidente de la sección de Kharkov -La unión asiática europea de los ozonoterapeutas Artículos Publicados 63		

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Curriculum Vitae

Victor R. Pereyra



(Resumen)

Oradores

Datos Personales

Afiliación (s)	Unidad de ozonoterapia Fundación Matera Tandil Argentina- Hospital Ramón Santamarina		
Dirección Profesional (es)	Hospital Italiano Chacabuco 353 Tandil Palacios 3200 Tandil		
Nacionalidad		Fecha de Nacimiento	08/06/54
Género	MASCULINO	E-mail	drpereyrav@hotmail.com
Títulos(s) (Mr./Ms./Mrs/Dr.)	Doctor en Medicina	Skype	
Categoría Académica (s)		Celular	+54-0249-154636349
Categoría Científica (s)		Teléfono(s)	+54-0249-4421293
Idiomas que domina	Castellano, ingles	Lengua materna(s)	italiana
Especialidad	Dr en medicina especialista en neurocirugía Especialista en cirugía de columna vertebral		

Entrenamientos y Educación

Nombre de la calificación o especialidad	Institución	Fecha de graduación	Tipo de especialización
Dr en medicina	Universidad de la plata	1979	Medico
Especialista en neurocirugía	Univ. de buenos aires	1989	Nerocirujano.
Especialista en cirugía de columna vertebral	Asociación Arg. de neurocirugía	2012	Especialista en cirugía raquimedular

Additional information

Otros entrenamientos	Curso de postgrado en ozonoterapia facultad de medicina buenos aires 2009
Seminarios / Conferencias	Ozonoterapia en zona de penumbra del ataque cerebrovascular isquémico octubre 2013
Asociaciones Profesionales / Consejos editoriales / Tribunales	Miembro de la asociación argentina de neurocirugía Miembro de la federación latinoamericana de sociedades de neurocirugía (Flanc) Miembro de la World federation of neurosurgical societies (wfns) Miembro de la sociedad de neurocirugía de la provincia de Buenos aires Miembro de la sociedad interamericana de cirugía de columna mínimamente invasiva Miembro de la asociación médica Argentina de oxígeno-ozonoterapia(AMAOO) Miembro del comité científico argentino de ozono oxígeno terapia
Entrenamientos, docencia y cursos impartidos	Internacional Journal of ozone therapy ozone in penumbra of ischemic cerebro vascular attacks
Premios Científicos	Mención de honor congreso internacional de medicina ozonoterapia fundación santiago cruz.
Otros aspectos a destacar	Director del hospital militar Tandil por superior resolución 1990-1997

Curriculum Vitae

Tom Lowe (USA)

Thomas J Lowe



(Summary)

Speakers AEPROMO-AMAZON-ISCO3

Personal information

Affiliation (s)

Director of Physicians UBI Awareness

Professional Address(es)

Nationality

Date of birth 09/02/1950

Gender

Male

E-mail Tom@DrsUBI.com

Title (s) (Mr./Ms./Mrs/Dr.)

Skype

Academic Degree (s)

Bachelor of Science

Mobile 517-202-5959

Scientific Degree (s)

Telephone(s) 517-925-1064

Language Proficiency

Mother tongue(s) English

Field of specialization

Entrepreneur Researcher , Inventor

Education and training

Qualification Name	Institution Name	Date of completion	Type
	University of Wisconsin	1972	Bachelor of Science

Additional information

Other / In-house Training

Oxidative Therapy Trainer

Seminars / Conferences

Spoken at numerous conferences on UBI and its efficacy

Books / Articles Published

The Healing Power of Light

Board Certifications/Licensures/ Registrations/ Professional Associations

American Academy of Ozone Therapy - Humanitarian outreach director

Training / Presentations Given

Lectures at the ozone training seminars in the United States , Also presented at Asiatic and European Association of Ozone Therapists - Ukraine

Scientific Awards

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