

## Stroke and atrial fibrillation in dialysis population

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### Abstract

**Introduction:** The dialysis population have a risk 5-10 fold higher for developing cardiovascular disease than age matched controls. Patients in dialysis have a risk for stroke 10 time more than the general population. Cardio-embolic stroke in dialysis population count a high percentage perhaps of the increased prevalence of atrial fibrillation.

**Methods:** A search in the literature for different study who combined AF with chronic Kidney disease, dialysis and stroke. We compare it with our findings in a retrospective study from November 2008 to december 2019 wich included 1732 patients. From analysed data, 70 patients experienced a cerebrovascular event during this period. we compared data with a control group of 70 patients without stroke.

**Results:** In our study 1732 patients who was treated in Amerikan Hospital during november 2008-december 2019 were observed. 70 patients had a cerebro-vascular accident (CVA). In 16 patients who experienced CVA, AF was present. In the control group AF was present in 7 patients.

**Discussion:** In different study the presence of AF at baseline it's more associated with a high mortality but there are no clear evidence of association between the presence of AF and stroke. The presence of AF represents a marker of comorbidity and advanced age rather than a cause of mortality. It's possible that hemodialysis –related AF may carry a lower risk of stroke than AF in general population.

Key words: atrial fibrillation, hemodialysis, stroke

### Biography:

Fjona Nasto is currently working as a nephrologist at Amerikan Hospital Tirane in Albania. She completed her Masters in Nephrology. She has published research articles in reputed journals.

### Speaker Publications:

1. "P1593THE ASSOCIATION BETWEEN THE ANCLE-BRACHIAL INDEX AND MARKERS OF INFLAMATION IN CHRONIC HEMODIALYSIS PATIENTS"; Nephrology Dialysis Transplantation / 2020 / Vol 35- Issue 3.
2. "CEREBRO-VASCULAR ACCIDENTS IN HEMODIALYSIS PATIENTS: A RETROSPECTIVE STUDY IN AMERICAN HOSPITAL"; IJEES/ 2020/Vol 10-Issue 1/Page:189-192.
3. "SILENT BRAIN INFARCTIONS IN HEMODIALYSIS PATIENTS"; IJEES/ 2020/Vol 10-Issue 1/Page:215-218.
4. "SP675CAUSE SPECIFIC MORTALITY ASSOCIATED WITH DIABETES IN INCIDENT HEMODIALYSIS PATIENTS"; Nephrology Dialysis Transplantation/2019/ Vol 34- Issue 1.

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