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# DETECTION OF SIDE EFFECTS OF ANTIARRHYTHMICS AND CARDIAC ARRHYTHMIAS IN POST-INFARCTION: OBSERVATIONAL STUDY OF 102 CASES

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### ABSTRACT

Heart dysfunction and sudden death are common complications in post-myocardial infarction. This study aims to contribute to improving patient's management by determining the factors correlated to the occurrence of left ventricular dysfunction or post-infarction sudden death. It was a transversal, descriptive and analytical study conducted from January to October 2021. The variables studied covered epidemiological, therapeutic and electrocardiographic aspects. There were 102 patients admitted for a recent revascularized myocardial infarction or not who had received a 24-hour ECG Holter after the acute phase of coronary event. The study population was predominantly men 88% versus 12% women with a sex ratio of 0.15. The discharge prescription was 74% antiarrhythmic, 91% platelet antiaggregator and 14% anticoagulant. Electrical abnormalities consisted of supraventricular extrasystoles in 45% of cases, ventricular extrasystoles in 61%, atrial fibrillation in 19% and supraventricular tachycardias in 11% ( $p < 0.05$ ). The prognostic

factors associated with the onset of post-infarction complications were ventricular arrhythmias ( $p < 0.04$ ), atrial fibrillation ( $p = 0.01$ ), the side effects of antiarrhythmics ( $p < 0.04$ ), variability and turbulence of heart rate ( $p = 0.05$ ).

### BIOGRAPHY

Born on January 1, 1989 in Brazzaville of a family of 7 children of a father cardiologist doctor and researcher at the Faculty of Health Sciences in Congo. After obtaining the baccalaureate option natural sciences in 2006, I spent a preparatory year in the Faculty of Science and Technology option molecular and cellular biology and genetics. From 2007 to 2015, I studied medicine at the Faculty of Health Sciences of the Congo concluded by the State Doctorate in Medicine. Since 2023, I am a specialist in Cardiology and vascular diseases after studies carried out in Morocco within the Faculty of Medicine and Pharmacy of Marrakech.

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