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EVOLUTIONARY PROFILE OF METABOLIC ABNORMALITIES IN POSITIVE HIV PATIENTS ON ANTIRETROVIRAL THERAPY IN BRAZZAVILLE: IMPACT ON OVERALL CARDIOVASCULAR RISK

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ABSTRACT

A cross-sectional, descriptive and analytical study was conducted from January to August 2015 at the Brazzaville Ambulatory Treatment Center and at the National Blood Transfusion Center. The objective was to contribute to improving the care of people living with HIV under antiretroviral therapy by assessing their global cardiovascular risk (CVR). The variables studied focused on the epidemiological, clinical and biological aspects. The global CVR was assessed by the Framingham and WHO/ISH scores. There were 135 HIV-positive subjects, including 64 treated patients and 71 untreated HIV+ subjects. The subjects were divided into 83 men (61.5%) and 52 women (38.5%), with an average age of 42.6 ± 2.9 old years. The main risk factors found were dyslipidaemia (60%), obesity (36%), smoking (12.6%), hypertension (5.9%), diabetes (0.7%). The metabolic syndrome was found in seven cases (11.3%). The global CVR according to the score of Framingham, initially moderated at 17.2%, and mean at 1.5% within treated patients, was mean at 9.4% and high at 1.6% of the subjects respectively at the sixth month of treatment ($p < 0.03$). For the score of the WHO/ISH,

the risk was high at 2% and very high at 3% within treated patients initially. This risk was increased to 3.1% for the high and very high risk respectively at sixth month of treatment ($p < 0.04$). In Congo, the HIV population involves a high global CVR under antiretroviral therapy. Preventive actions are highly recommended

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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