

6th Annual conference on

Clinical & Pediatric Nephrology

May 09-10, 2016 New Orleans, USA

Estimated glomerular filtration rate in patients followed in nephrology clinic of the National Academic Hospital of Cotonou

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Evaluate kidney function using Glomerular Filtration Rate estimation methods on patients followed in Academic Clinic of Nephrology in National Academic Hospital of Cotonou. This is a prospective, cross-sectional study with descriptive and analytical referred. It included all patients over 15 years; melanoderm hospitalized or received nephrology consultation at the National Academic Hospital of Cotonou from 1 July 2014 to 30 September 2014. The estimate of kidney function was made by the Cockcroft and Gault formula, modification of diet in renal diseases (MDRD) simplified and chronic kidney diseases epidemiology (CKD-EPI) formulas. Serum creatinine was measured by the enzymatic method IDMS (Isotopique Dilution Mass Spectrometry) calibrated. Overall 209 patients have been involved in the study. Mean age was 48.34 years old. We noticed male predominance with a 1.32 sex ratio. End stage of chronic renal failure was the most represented according to all the three GFR estimation formulas. Not a significant difference was noticed between the different stages of chronic renal failure classification according to the three GFR estimation formulas. The three GFR estimation formulas studied may be used separately to estimate GFR on black African people.

Biography

Jacques Vigan is a Nephrologist, currently working as an Assistant in the Faculty of Health Sciences at Abomey-Calavi University, Benin.

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