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Changes in calcium, phosphorus and parathyroid hormone during chronic renal failure in Côte d'Ivoire

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The chronic renal insufficiency is a frequent disease which has many biological consequences. It involves disturbances of the biological functions of the organization, among which variations of calcium, phosphorus and the parathormone during the chronic renal failure, object of this study. It acts of a descriptive cross-sectional study carried out in Medical Biochemistry Laboratory of Cocody teaching hospital in collaboration with the service of Nephrology of Yopougon teaching hospital and having concerned 70 patients. The results of this study were characterized by the relatively young age of the patients (on average 39 years) compared to the data of the literature (60 years and more), the male prevalence of the IRC (53%). Nous noted a prevalence of the chronic renal insufficiency at the stages severe (27.14%) and terminal (51.43%). The disturbances of the phosphocalcic metabolism were marked by a hypocalcemia observed in 87.12% of the cases, making fear signs of osteodystrophy, a hyperphosphoremy in 51.43% of the cases and a secondary hyperparathyroidism, in connection with the severity of the disease in 87.12% of the cases. A good monitoring is useful for chronic renal failure, very common in Côte d'Ivoire, with prevention measures to avoid its occurrence.

Biography

Absalome Monde after his doctorate in medicine at the Faculty of Medical Sciences University Felix Houphouet Boigny of Cocody/Abidjan, received his PhD in Montpellier 2 University, France and is currently Associate master lecturer in medical biochemistry at the Faculty of medical Sciences of Felix Houphouet Boigny University Cocody/Abidjan, where he teaches medical biochemistry for medicine students and specialties. He has publications in local, regional and international journals on various topics including endocrinology biochemistry, lipids and other areas in biochemistry.

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