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Screening of the thyroid associated ophthalmopathy in Cameroonians Graves' hyperthyroidism patients: Relation with flavoprotein antibodies

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Thyroid ophthalmopathy (TO) is progressive eye disorder associated to Graves' hyperthyroidism (GH). (TO) have as (GH) an autoimmune etiology. Three antibodies have been discovered to be implicated in these autoimmune processes: antibodies the flavoprotein (FP), the 64-kd protein, a thyroid and eye muscle shared protein (G2s), and the flavine adenine dinucleotide (FAD).

No study has been done in Cameroon, equatorial region of Africa, where high incidence of (GH) is observed because of process of urbanization, increase in dietary iodide and climates and also increase incidence of (TO) in some studies.

We have undertaken study concerning relationship between serum antibodies reactive to (FP) to all patients with (TO) in endocrinology unit of the Yaounde General hospital Cameroon from January 2008 to December 2012.

During January 2008 to December 2012, 46 patients with (TO) have been investigated. 30 had congestive ophthalmopathy (CO),16 had ocular myopathy (OM).14 patients had positive antibodies to FP (30.43%), whereas 32 had negative antibodies to (FP) (69.56%). The explanation of this small proportion of (TO) positive to antibodies to (FP) is unclear in (GH) of Cameroonian patients.

It is necessary to undertake large study including screening others antibodies in our environment mainly (FAD), (G2s) and others if possible.

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