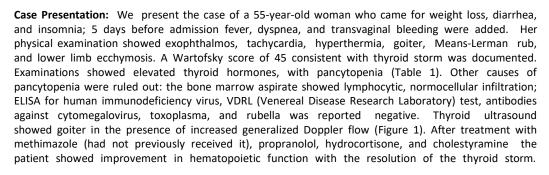


Journal of Diabetes Medication & Care

Graves' disease induced pancytopenia in a patient withthyroid storm. A case report

Abstract

Introduction: Graves' disease can affect the hematological system, manifesting itself even with pancytopenia, conditioning a therapeutic dilemma in the use of thiamazole due to its secondary hematological effects.



Conclusions: In this case, it was demonstrated in a patient with recently diagnosed Graves' disease, without prior use of methimazole and having ruled out other etiologies of pancytopenia, that hyperthyroidism can induce hematological alterations; explained by the direct effect of hormones by causing a disorder in the maturation and differentiation of the hematopoietic stem cell, by reducing the half-life of blood cells by hypersplenism or by the presence of antineutrophil or antiplatelet antibodies. Treatment with methimazole and hydrocortisone remitted the thyroid storm and restored hematopoietic function, therefore, it was considered that 1) a hematologic evaluation of all patients with Graves' disease should be performed before administering antithyroid drugs and 2) the presence of pancytopenia should not be considered a contraindication to administer methimazole.

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Biography

Medina Jasso, MD, is an Endocrinologist at the Doctors Hospital in Monterrey, Mexico. He trained in Internal Medicine, with an overweight and obesity management certification. He performs thyroid ultrasound and ablation of thyroid nodules (training in the Mexican Association of Nutrition and Endocrinology) and his major interest focus is in hyperthyroidism including Graves' disease and its complications.



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