

NM101-ED-X

Incidental Hematopoietic Retroperitoneal Mass: Hands off! Proposal of a Non-Invasive Diagnostic Approach and Review of the Literature

All Day Room: NA Digital Education Exhibit

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TEACHING POINTS

1.To depict on CT and MR the imaging features of hematopoietic masses (extraadrenal myelolipoma and extramedullary hematopoiesis), focusing on the retroperitoneal and presacral spaces. 2.To underline the importance of the patients' clinical background in order to differentiate between these hematopoietic masses. 3.To expose the usefulness of ^{99m}Tc-nanocolloid SPECT highlighting their hematopoietic composition. 4.To propose an algorithm based on non-invasive imaging techniques to identify and differentiate them from malignancy .

TABLE OF CONTENTS/OUTLINE

1.Introduction 1.a.Etiology 2.Pathophysiology 3.Clinical findings 4.Imaging findings (CT, MRI, SPECT-BM) 4.a.Anatomy of the presacral space 5.Differential diagnosis 6.Follow up 6.a.Spectrum of possible behaviors 7.Interventional management (gold standard) 8.Algorithm proposal: SPECT-BM 9.Sample cases