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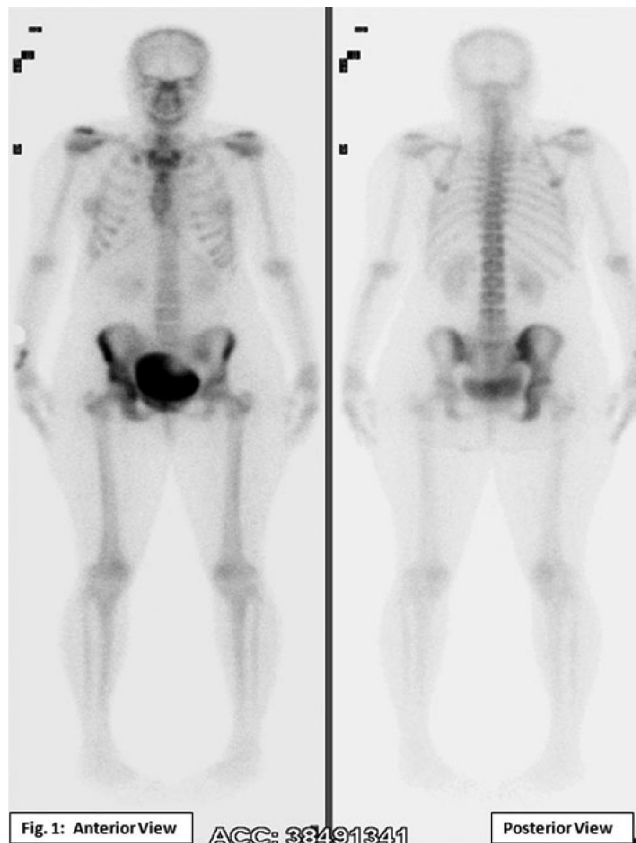
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History

This is a 47 year old female recently diagnosed with sigmoid colon mass. A bone scan was performed as initial staging step.



Questions

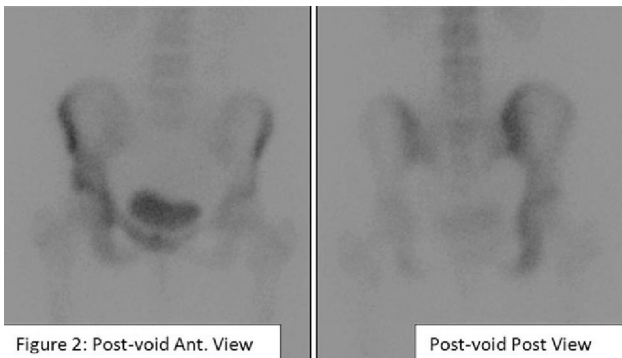
- Q1. What are the abnormal findings in this scan?
- Q2. What additional views of bone scan you would like to order technologist?
- Q3. What additional investigation you would like to confirm your findings?
- Q4. Final diagnosis based on these imagings?

QUIZ

Answers

Answers 1: This WB bone scan shows a well-defined cold defect over the left side of distended dome of bladder and diffusely increased tracer uptake of moderate intensity involving right hemipelvis.

Answer 2: Would like to see static images after void to ascertain whether cold defect is an intravesical or extravascular in origin.



Static post-void images do not show those defects anymore which mean it is an attenuation defect caused by some pelvic mass.

Answer 3: Would like to have CT scan of abdomen and pelvis.



CT findings: Coronal image shows a large soft tissue heterogeneous pelvic mass arising posterior to urinary

bladder extending superiorly and anteriorly compressing the dome of urinary bladder. There is also evidence of uniform thickening of sigmoid colon. Bone window shows infiltration of marrow consistent metastases seen on bone scan.

Answer 4: This lady has primary sigmoid colon mass with a large fibroid (must be with long standing history with this size). There is also evidence of marrow infiltration on CT (bone window) as well as bone scan. Advance stage carcinoma sigmoid colon with a large complex pelvic mass most likely a longstanding fibroid.