Dig a Little Deeper: Adrenal

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MUSC
Adrenal Protocol CT

Noncontrast

34 HU
Adrenal Protocol CT

Portal Venous Phase

76 HU
Adrenal Protocol CT

10 Minute washout

42 HU
Washout Calculation

Absolute = 72%
Relative = 45%

Interpreted as consistent with adenoma
What else was on the image?
Diagnosis

Gastrointestinal Stromal Tumor (GIST)

Metastatic to the adrenal gland
Learning Point

- Adrenal protocol was designed to assess between HYPOvascular metastases and primary adrenal neoplasms (adenomas) which are usually HYPERvascular.

- Hypervascular metastases can overlap

  - Choi et al. Evaluation of Adrenal Metastases from Renal Cell Carcinoma and Hepatocellular Carcinoma: Use of Delayed Contrast-enhanced CT. Radiology 2013

- Pheochromocytomas can overlap also