Dual energy CT imaging of a gastrointestinal stromal tumor

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Clinical History:

- 45 yo male with anemia and melena, no abnormality seen on upper endoscopy or colonoscopy
Dual energy CT single phase enterography obtained.
Dual energy CT enterography demonstrates an enhancing soft tissue mass in the jejunum that is highlighted on low keV and Iodine map images. Surgery confirmed the mass represents a GIST. The patient’s symptoms resolved after removal.
Teaching Points:

✓ Neutral oral contrast and intravenous contrast highlight small bowel tumors
✓ DECT can make small enhancing bowel tumors more conspicuous using low keV monochromatic or iodine map images
References