UNUSUAL ENDOSCOPIC FINDINGS BY CAPSULE ENDOSCOPY: DUODENAL AND JEJUNAL PSEUDOMELANOSIS IN PATIENTS WITH INTAKE AT2 ANTAGONISTS

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UEG Week Copenhagen 2023 | Poster

Small Intestine & Nutrition

October 15, 2023

Three patients with diabetes mellitus and hypertension on Telmisartan presented with duodenal and jejunal pseudomelanosis found on capsule endoscopy performed for suspected small bowel bleeding.

KEY POINTS

- Pseudomelanosis of the small intestine is extremely rare and characterized by black-brown speckled pigmentation of the duodenal and jejunal mucosa.
- Capsule endoscopy in all three patients showed multiple diminutive black spots throughout the duodenum and jejunum, with ulcers found in two patients.
- Histology demonstrated multiple foci of brown-black granular pigment inside macrophages within the tips of the villi.
- The condition shows strong association with chronic renal failure, arterial hypertension, diabetes mellitus, and medications including AT2 antagonists, ferrous sulfate, hydralazine, hydrochlorothiazide, and furosemide.
- Duodenal and jejunal pseudomelanosis occurs predominantly in middle-aged to older adults, more commonly in females, and some cases have been associated with gastrointestinal bleeding.

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