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Educational Abstract

Topics: Abdominal Imaging/GI Tract

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Xanthogranulomatous Inflammation of the Colon Presenting as Chron's Disease : A rare case report

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Learning objective: To gain knowledge in clinical, radiology and pathology features of Xanthogranulomatous Inflammation of colon

Background: Xanthogranulomatous inflammation (XGI) is a uncommon pathological condition. Firstly reported in genitourinary tract, with kidney and gallbladder as the main involved organs. Other possible sites are endometrium, ovary, fallopian tubes, vagina, testis, epididymis, gall bladder, stomach, bone, skin, appendix, urinary bladder, thyroid and adrenal glands. Occurrence of XGI in gastrointestinal tract is very rare.

Findings and Procedure : Herein we report a case of 53 years old Javanese female with complaint of abdominal palpable mass of the left lower quadrant 5 months prior to hospital admission. There were no history of diarrhea, vomiting, nausea or fever. Blood analysis only showed mild anemia, tumor markers analyzed for CEA, CA 19-9, Ca -125 and AFP were within normal values. Contrast abdominal CT examination showed inhomogenous lesion of the anterior aspect of the left lumbar region adhered to the abdominal wall with fat stranding and thickening of the muscular layer surrounding lesion and inflammatory signs were found, highly suggestive of a Chron's disease. Laparotomy explorative followed by tumour excision and anastomosis resection of the large intestine was performed. Histopathological analysis from intrabdominal specimens and colon revealed XGI.

Conclusion: Although XGI of the colon has a rare oddity in nature, since its presentation may lead to clinical and radiological misinterpretation. Hence requires clinical suspicion and intraoperative pathological examination for accurate diagnosis.