

Amoebiasis Presenting As Acute Appendicitis: A Rare Case Report

Dr. Akash Sharma,
Dr. Rahul Patel,
Dr. Prof. K.K.Bharang

Date of Submission: 06-04-2024

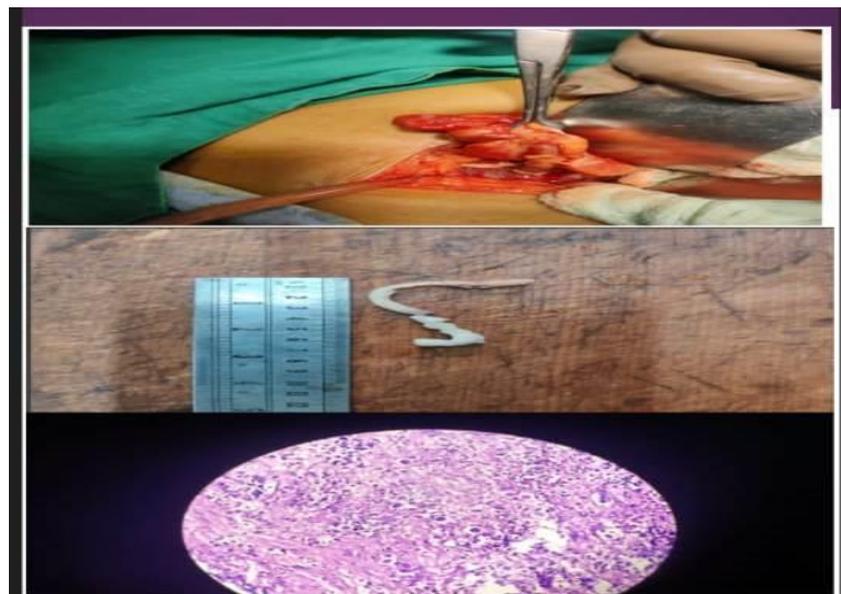
Date of Acceptance: 16-04-2024

I. Introduction

□□ Acute amoebic appendicitis it occurs rarely and have high mortality.

II. Case report

- ❖ 53 yr Male Farmer, with C/o Fever, Pain abdomen since 4 days ,K/c/o of T2DM 5 years, and received ATT 8 years back.
- ❖ Abdominal examination:- Soft, Tenderness present over right iliac fossa and umbilical region, Guarding, rigidity, rebound tenderness absent.
- ❖ Laboratory investigation:- CBC Hb- 11.7 gm%, TLC- 18.59/ml N/L - 85% / 8% PLT- 1.7 lakhs.
- ❖ USG whole abdomen revealed:- (caecum) appears thickened wall(8-9mm), involving the I.C junction & appendicular base with surrounding inflamed fat & lymph node, focal infective inflammatory pathology in RIF.
- ❖ Computed tomography revealed:- Visualized appendix measures approximately 10mm with peri-appendeal fat stranding with collection, few mesenteric lymph nodes and illeocecal junction and caecum proximal ascending colon wall thickened.



III. Treatment

- ❖ Patient underwent open/abdominal appendectomy and intraoperative cardboard like consistency of caecum indentified.
- ❖ Appendix specimen send for histopathologic examination revealed amoebic appendicitis. Patient discharged on pod – 7 with Tab. Metronidazole 400mg for Amoebiasis for 14 days .

IV. Discussion

A rare case of Amoebiasis acute appendicitis was treated surgically open appendectomy and post operative oral metronidazole for 14 days to important points to be emphasise, Firstly, even after the appendectomy, there was still considerable inflammation of the intestinal wall that required metronidazole treatment. Secondly, Amoebiasis was not detected with the usual histopathology of the appendix . Histopathological examination using PAS stain was required for diagnosis.

V. Conclusion

Acute appendicitis any of amoebic origin is not seen frequently, and they have similar presentation as with other case of acute appendicitis, they have increase incidence of fecal fistula post operatively. The condition is suspected clinically whenever a cecum of hard, "cardboardlike" consistency is discovered.

Reference

- [1] Herrera Gc, Herrera Ac, Pontón P, Molina Ga, Constante Je, Delgado Ja. Amoebiasis, A Rare Cause Of Acute Appendicitis. J Surg Case Rep. 2019 Mar 13;2019(3):Rjz076.
- [2] Hegazi Ma, Patel Ta. Acute Amoebic Appendicitis: Case Reports And Review Of Parasitic Appendicitis. J Pediatric Infect Dis Soc. 2013 Mar;2(1):80-2.