

Case Report

Mucocele of Appendix

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Introduction:

A Mucocele of Appendix is usually a benign condition; only 10% are malignant. It is progressive, cystic dilatation of distal part of the appendix by mucus. Obstruction is usually by inflammatory stricture or by fecolith. Sterile mucus accumulates, producing a cystic mass up to 15 cm in diameter. Usually the walls are thin. Rarely it may rupture & because they are sterile, the resulting inflammatory reaction is mild. However pseudomyxoma peritonei may result. A malignant Mucocele arises from a mucinous cystadenocarcinoma rarely.

Case History:

A 55 years old Mehir Din presented in the surgical emergency of JHL with pain in the right lumbar region/ Right iliac fossa for last two months off & on. He also complains of fever off and on for last 2-3 months. He got intermittent treatment from one of the rural health centre in Manga Mendi Lahore.

Clinical Findings:

On examination in surgical emergency there was a mobile mass felt in the right iliac fossa. Patient was sent to Diagnostic Radiology Department for abdominal Ultrasound.

Ultrasound Findings:

On abdominal ultrasound there was a long 11 X 5 cm well defined tubular mass with blind end is seen in the right iliac fossa. The mass is mobile while pressing with the ultrasound probe. This tubular structure shows typical Onion skin appearance.

There was no evidence of any free fluid in the vicinity & in pelvis. No evidence of enlarged mesenteric lymph nodes noted in Right Iliac fossa. This tubular mass was clearly separated from the iliac vessels & ileal loops. Other findings on ultrasound was bilateral multiple renal cysts and two calculi impacted in the right utero-vesical junction with mild to moderate retrospective obstructive uropathy.

Diagnosis On Ultrasound:

The diagnosis on ultrasound was Mucocele of Appendix

Surgical Findings:

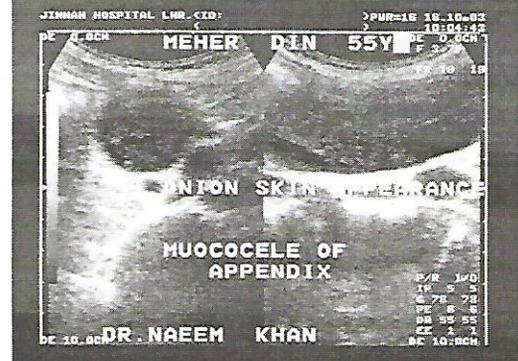
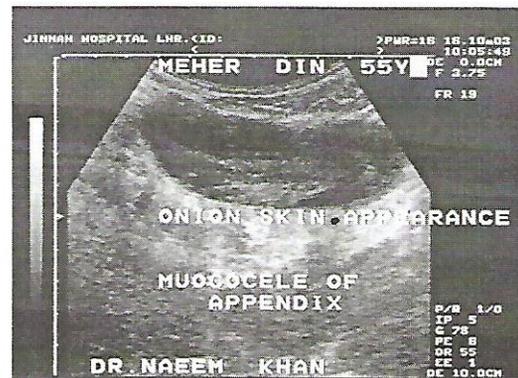
Surgery was done in the surgical unit -4 of Jinnah hospital Lahore under supervision of Prof. Abbul Fazal & Mustafa Arian. On surgery there was large 11-12 cm tubular mass seen in the right iliac fossa which is freely mobile. The

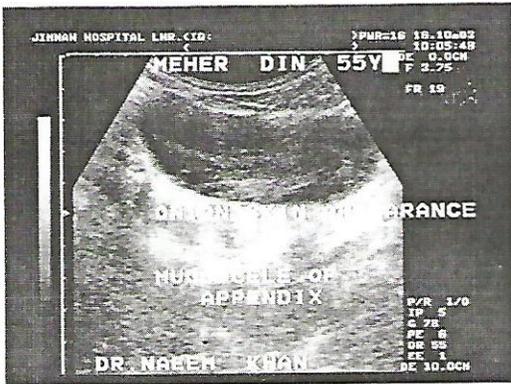
mass was surgically removed. On dissection there was whitish thick secretion seen coming out of the tubular mass.

Histopathology Findings:

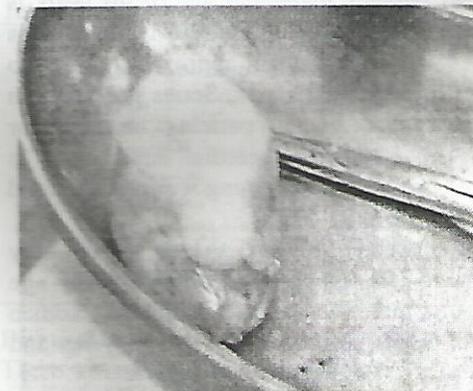
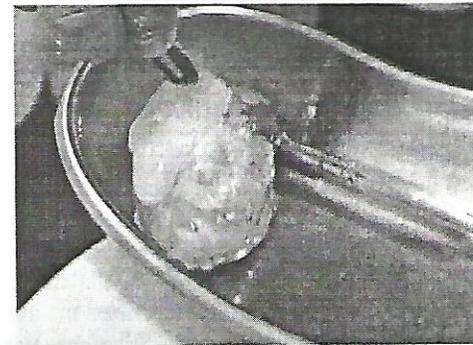
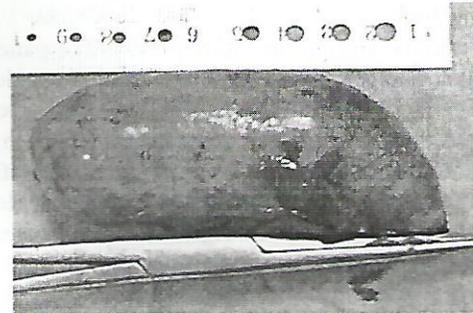
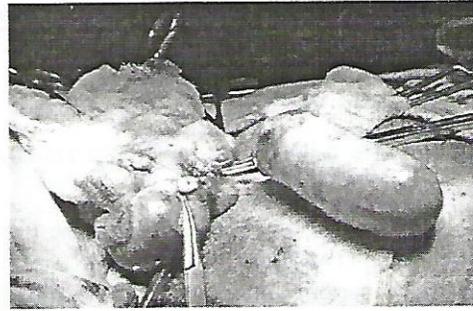
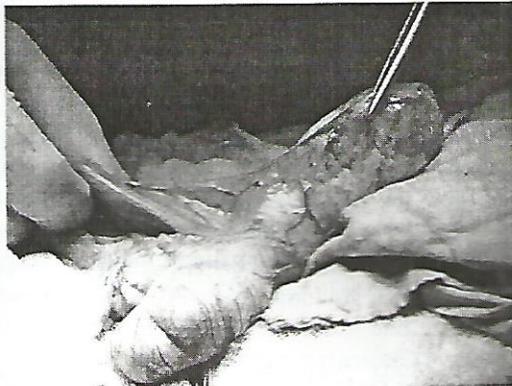
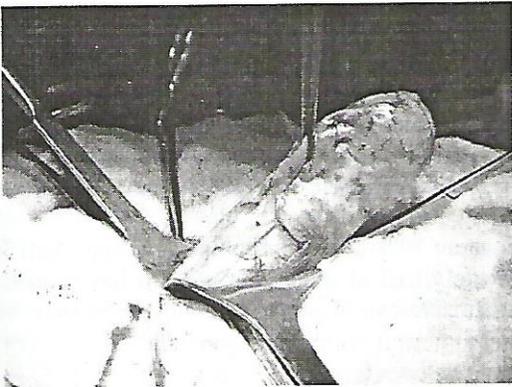
On histopathology Mucocele of appendix is confirmed by pathology laboratory in Allama Iqbal Medical College Lahore.

Ultrasound Pictures





Operative Pictures:



References:

1. Abdominal & general ultrasound by Hylton Meire, David Cosgrove, Keith Dewbury, Pat Farrant. Vol. 2: 856.
2. An atlas of Ultrasonography by Kenneth J.W. Taylor. Second Edition. Vol.2: 1038.
3. Grainger & Allison's (Diagnostic Radiology) a textbook of medical imaging. Third edition, Volume 2, page-1043.
4. Bailey & Love's (short Practice of surgery) by Charles v Mann & R.C.G.Russell.