



Appendix the Reality Behind the Scenes- Histopathology Findings in Acute Apendicitis

KEYWORDS

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INTRODUCTION AND NEED FOR THE STUDY

One of the most common referrals to a radio-diagnostician in their daily practice is evaluation of right lower abdominal pain by ultrasound. Among the causes of right lower abdominal pain appendicitis is the most common pathology accounting for probably more than 70% of the causes of right lower abdominal pain. The other causes of right lower abdominal pain include right ovarian or uretric pathology, typhilitis and rarely perforations.hence we have undertaken a study to evaluate the sonographic evaluation with histopathology findings in acute appendicitis.most often the clinicians don't bother to check on the histopathology of appendicitis as the most often it is assumed that it is not significant. More-ever with the marriage of medicine and technology .day care appendectomies and sutureless surgeries are becoming common

In our study we evaluated the various pathologies that can occur in the appendix which go unnoticed if a proper follow up of the histopathology is not done

OBJECTIVES OF THE STUDY:

To evaluate the histopathology findings in acute appendicitis.

MATERIAL AND METHODS

Source,Method Of Collection Of Data and Analysis:

This is a study of patients operated for acute appendicitis in surgical department of Father Muller Medical College Hospital from October 2010 to September 2015.

INCLUSION CRITERIA:

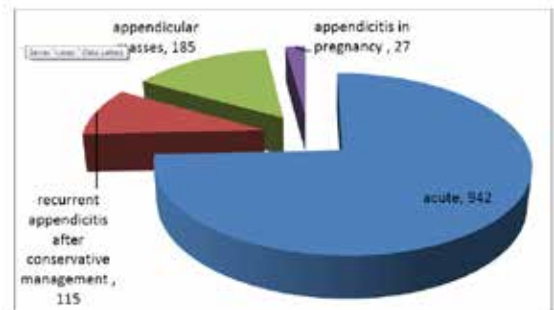
- All the patients operated for acute appendicitis

EXCLUSION CRITERIA:

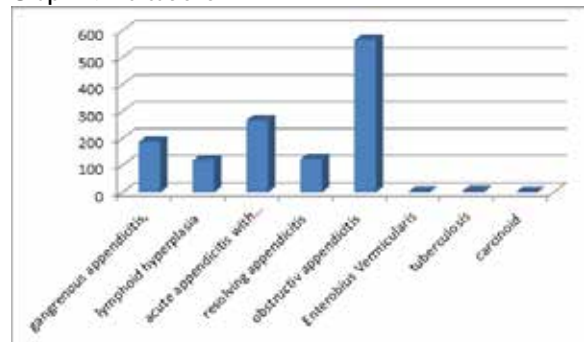
- Patients who have been operated for acute appendicitis but have found to other causes of appendicitis.
- Patients whose details are not available either due to missing reports or incomplete summaries

RESULTS AND ONBSERVATIONS

In our study we had evaluated 1269 cases of appendectomy cases, 327 cases had underwent interval appendectomy in which 185 were treated for appendicular masses,27 had appendicitis in pregnancy so conservatively managed, rest 115 had recurrent attacks following conservative management , initially not willing for surgery. 942 cases had treated for acute appendicitis.



Graph 1: Indications



1269 cases of appendectomy cases had gangrenous appendicitis, lymphoid hyperplasia in 118 cases acute appendicitis with periappendicitis in 267 ,resolving appendicitis in 123 obstructive appendicitis in 565, Enterobius Vermicularis in 2 , tuberculosis in 4 , carcinoid was found in 1 case.

DISCUSSION:

Acute appendicitis is a condition which there is an inflammation of the vestigial organ – the appendix inflammation of the appendix. Appendicitis can occur in any age group, but more common in younger individuals. It is estimated that in the general population the lifetime risk of developing appendicitis is around 7%.¹

The causation of acute appendicitis is contributed by various factors them being gender life style including the food habits , the seasons and familial susceptibility.^{2,3,4}

de Dombal in a review of 10,682 found appendicitis as the most common cause of appendicitis occurring in 28% of the cases reviewed⁵.

The clinical use of USG lies primarily in the subgroup in

which the clinical findings are equivocal. Not only can it establish the diagnosis of appendicitis but also can identify other abdominal and pelvic conditions, especially gynecologic, that present as right lower quadrant pain.

Graded compression ultrasonography is considered as the most important investigation in evaluation of appendicitis which is both sensitive and specific for the condition with an accuracy of 71% to 95%^{1, 6}. Most studies of graded compression demonstrate a sensitivity of more than 85% and specificity of more than 90%.⁷

Gastrointestinal tuberculosis is quite rare, and appendicular involvement occurs in about 1% of cases.⁸

In our study we had 4 cases of primary tuberculosis of the appendix without any other source of tuberculosis.

Enterobius Vermicularis infection appendix is the commonest parasitic infestation causing appendicitis⁹. In our study we had 2 cases of Enterobius Vermicularis infection of the appendix.

The appendix is the most frequent site for gastrointestinal carcinoid tumors¹⁰. In our study we had 1 case of carcinoid of the appendix.

Conclusion

There is need to review the histopathology reports in case of appendectomies, even if done as a day care procedure in order to avoid missing some of the rare diagnosis, so that the treatment is instituted at the right time.

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