



Study the Efficacy of Ultrasound of Abdomen and Pelvis in Diagnosing Acute Appendicitis

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Abstract

Background: Appendicitis refers to the inflammation of the appendix. It is predominantly observed in younger demographics. 40percent of cases occur between the ages of 10 & 29yrs. **Objective:** To assess the efficacy of Ultrasound of Abdomen and Pelvis in diagnosing acute appendicitis. **Methods:** The Prospective comparative observational study includes patients who underwent surgery for acute appendicitis (AA) after presenting to the General Surgery Department of the SDM College of Medical Sciences and Hospital in Sattur, Dharwad. Duration of study was between October 2022 to October 2023. Ethical clearance was obtained from SDM Institutional Ethic Committee. **Result:** Forty patients were female and forty-five were male, indicating a preponderance of male (Male: Female = 1.1:1). With a standard deviation of 11.87 years, the patient's mean age was 30.86 years. In the current study out of 85 subjects, 70(82.4%) were found to have features of acute appendicitis on the USG abdomen and pelvis. Of these, 67 (78.8%) has AA on Histopathological report. The sensitivity of USG is 91.78%, and its specificity is 75.0% with a diagnostic accuracy of 89.41% **Conclusion:** The sensitivity of USG is 91.78%, and its specificity is 75.0% with a diagnostic accuracy of 89.41%

Keywords: Acute appendicitis, USG abdomen and pelvis, sensitivity, specificity.



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