

## ACCURACY OF ALVARADO SCORE IN DIAGNOSING ACUTE APPENDICITIS

### ABSTRACT

#### INTRODUCTION:

Acute appendicitis is a surgical emergency, which is associated with morbidity and mortality occasionally, so accurate diagnosis and timely intervention is needed. Therefore the present study is conducted to evaluate the Alvarado scoring system in diagnosing acute appendicitis and its co relation with histopathology

#### AIMS:

The aim is to study the effectiveness of Alvarado score in diagnosing acute appendicitis and histopathological correlation

#### METHODS:

The study population consists of 100 patients admitted in casualty with suspicion of acute appendicitis. The severity of acute appendicitis is scored by Alvarado scoring system and the patients were divided into three groups and managed according to the severity

#### RESULTS:

Group A had 54 patients with score 7-10 and considered to have acute appendicitis and taken for emergency appendicectomy. Out of 31 patients in group B, 18 were conservatively managed and 13 were diagnosed with acute appendicitis and operated. Out of 15 patients in group C, two were operated and 13 were managed conservatively.

#### CONCLUSION:

In this study the sensitivity, specificity and positive predictive value were 89.66%, 59.52% and 75.36% respectively. There is a predominance in younger age group. This scoring system is a dynamic one, allowing observation and re evaluation of clinical picture. Its value in decision making is high both in males and females.. Its application improves diagnostic accuracy and considerably reduces the negative laparotomy rate.

KEY WORDS: ALVARADO SCORE, ACUTE APPENDICITIS, EMERGENCY APPENDICECTOMY, HISTOPATHOLOGY