

Comparison of clinical scores in diagnosis of acute appendicitisDr. Hitendra K. Desai¹, Dr. Rajnish R. Patel², Dr. Bansil V. Javia³¹Assistant Professor, ²Associate Professor, ³2nd year Resident, Department of General Surgery, B.J.M.C and Civil Hospital, Ahmadabad.**Abstract:**

Background and objectives: The present prospective study is attempted to compare the efficiency of Alvarado, Teicher score, Fenyo score, Ohmann's score, in preoperative diagnosis of acute appendicitis in Indian population, in a tertiary health care centre. **Material and Methods:** 75 patients who presented with acute right Iliac fossa pain were analyzed using four different scoring systems. An abdominal ultrasound was also performed when necessary. The results of these scores, USG findings were compared to the intra operative findings and final histopathological report. **Result:** The Alvarado score had the best positive predictive value with high sensitivity. The Fenyo score was most sensitive for males, whereas the Teicher score was most sensitive for females. The Teicher score was the most specific. The Ohmann score had the highest negative predictive value. **Conclusion:** There was a 24% negative appendicectomy rate in our study. The Alvarado score is ideal for borderline cases where a quick decision needs to be taken. Ohmann's score can be used to rule out appendicitis in the casualty setting as it has the best negative predictive value. Fenyo and Teicher's score with their high sensitivity can be used to reduce the number of negative appendicectomies

Keywords: Appendicitis, Ultrasound, Scoring system