

## **ABSTRACT**

### **Background & Objectives:**

Small bowel perforation is a common problem seen in acute abdomen. The commonest cause being typhoid fever followed by tuberculosis and other cause.

### **Aims & Objectives:**

To analyse and compare the cause of small bowel perforation in acute abdomen

### **Methods:**

The study was conducted in Institute of General Surgery, Madras Medical College, Chennai from MAY 2017 TO OCTOBER 2018. A minimum of 103 patients of Small bowel perforations included in the study. Patients with traumatic perforations, Large bowel perforation duodenal perforation (D1 AND D2) and irradiated abdomen have been excluded. Factors were tabulated and statistically analysed to study their contributions.

**Results:**

The study concludes the commonest cause of Small bowel perforation was typhoid followed by non specific causes. Perforation commonly occurred in the third and fourth decade of life with patients between the ages of 30 and 50. Pneumoperitoneum in chest x-ray and erect abdominal x-ray was seen in 80% of patients.

**Conclusion:** Typhoid is the most common cause of small perforation, followed by non-specific perforation. Other Causes of small bowel perforation include non-specific, TB, Widal test is helpfull in the diagnosis of typhoid fever.