



Service Priorities and Programmes Electronic Presentations

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Audit on Safety and Success of Pneumatic Reduction in Pediatric Ileocolic Intussusception.

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Introduction

Intussusception is a pediatric emergency. Pneumatic reduction is the treatment of choice in cases without complication. It can be complicated by perforation. Early recurrence is not uncommon.

Objectives

To audit the success rate, complication rate, early recurrence of pneumatic reduction for pediatric ileocolic intussusception in a local center.

Methodology

We reviewed records of all pediatric patients who underwent pneumatic reduction for intussusception from January 2010 to December 2015. We collected data on demographics, success rate, complication rate, any recurrence, date of symptom to diagnosis to treatment. A total of 20 attempts in 17 patients (5 females, 12 males) were included in our analysis.

Result

Mean age of patient was 21 months old (range 3 months to 6 years). Success rate of intussusception reduction was 65% (13 of 20). Early recurrence within 1 day was noted in two cases. 1 case was successfully managed by a second pneumatic reduction. The other case failed a second pneumatic reduction and required surgical gut resection due to ischemia. No perforation related to the procedure was noted.