

POSTER PRESENTATION

Abstract ID: 04

Colonic Perforation in Percutaneous Nephrolithotomy: A Case Report

Mohd Fahmi AAziz¹, NE Mahno¹, Siti Kamariah CM², Mohd Nazli MZ¹

1. Department of Surgery, International Islamic University of Malaysia Medical Centre, Pahang, Malaysia

2. Department of Radiology, International Islamic University of Malaysia Medical Centre, Pahang, Malaysia.

We aim to report a rare case of colonic perforation post percutaneous nephrolithotomy (PCNL) and its conservative management. We report a 63-year-old Malay, thalassemia carrier male who underwent an uncomplicated left PCNL for a left renal stone. On second postoperative day, clinically evidence of subcutaneous emphysema. Serial CXR imaging confirmed presence of air under diaphragm. Small colonic perforation was diagnosed which subsequently developed localized collection retroperitoneally. He was successfully treated with non-operative management including intravenous antibiotic, surgical drainage and good nutritional support healed the collection. Serial CT renal protocol showed a healed retroperitoneal collection and patient made a good clinical recovery. PCNL has promising stone clearance rate. However, it carries complications. A rare yet important complication; colonic perforation is a serious complication that if detected earlier, good clinical recovery can be achieved conservatively.

KEYWORDS: *Percutaneous nephrolithotomy, complication, bowel injury*