

Rare Case of Metastatic Peritoneal Mesothelioma Presenting with IntussusceptionAishah Md Salleh^{1,2}, Wan Zainira Wan Zain^{1,2}, Andee Dzulkarnaen Zakaria^{1,2}¹Department of Surgery, Universiti Sains Malaysia, Kubang Kerian, Kelantan, Malaysia²Hospital Universiti Sains Malaysia, Kubang Kerian, Kelantan, Malaysia**Abstract**

One of rare tumour that occur in peritoneum is Malignant peritoneal Mesothelioma (MPM). Metastatic carcinoma may mimic bowel pathology and aetiology of intussusception. 5% of bowel obstruction comes with intussusception, while adult intussusception only represents 1% of all bowel obstruction, and of all hospital requirement only 0.003%-0.02%. We report an unusual case of MPM metastasized to the lungs and brain in a 56-year-old male who presented with chronic nonspecific abdominal symptoms. Computed tomography (CT) scans revealed apical pleural mass with ileocaecal intussusception. The diagnosis of malignant peritoneal mesothelioma confirmed by microscopic and immunohistochemical examinations. Malignant Mesothelioma neoplasm arises from mesothelial cell lining which commonly found from the serosal surface of pleura, peritoneum, pericardium and even tunica vaginalis of the testis. (2). While in Malaysia as of 2018 mesothelioma only account for 0.01% of new reported cancer cases. The non specific presentation, clinical symptoms and varied presentation often delays the diagnosis and treatment with common misdiagnosis of malignant peritoneal mesothelioma as another neoplasm arising from other abdominal organ. Adult bowel intussusception cases are rare among bowel pathology presentation and most of it associated with pathological lesion (3).

Key word: malignant peritoneal mesothelioma, intussusception, disease progression, hemicolectomy