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**Spontaneous pneumoperitoneum-role of diagnostic laparoscopy case report**

**Objective:** Spontaneous pneumoperitoneum is a rare condition. It presents a challenge to the surgeon as the clinical presentation and radiological findings mimic perforated viscus resulting in unnecessary surgical intervention. The aim of this article is to describe a case of a spontaneous pneumoperitoneum in an elderly patient who underwent diagnostic

**Methods:** A 77-year-old female with multiple comorbidities presented to the emergency department with productive cough, shortness of breath, vomiting and abdominal pain. On examination she had tenderness in epigastric region. Chest X-ray and CT showed free air and fluid in peritoneal cavity.

**Results:** The patient underwent diagnostic laparoscopy that did not reveal any gastrointestinal perforation

**Conclusion:** Spontaneous pneumoperitoneum is frequently mistaken for perforated viscus. If the patient presents with features of peritonitis, diagnostic laparoscopy has a vital role as it prevents unnecessary midline laparotomy.

**Notes:**