

## **Perforated Ileal GIST Associated with Meckel Diverticulum – A Rare Pathological Entity of Surgical Acute Abdomen**

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### **Abstract**

*Introduction:* The GIST tumors are very rare entities (<1% of all tumors). They originate in the Cajal interstitial cells, which are part of the autonomic nervous system of the intestine. Their most common location is the stomach, followed by the small intestine. The aim of this paper is to present a very rare case of perforated ileal GIST, associated with Meckel diverticulum.

*Case report:* A 71 years old patient with comorbidities is admitted in emergency for symptoms and signs of acute surgical abdomen. The exploratory laparotomy reveals generalized acute peritonitis due to perforated ileal tumor and Meckel's diverticulum. A segmental enterectomy is performed, with favorable postoperative evolution. The histological examination of the resection piece shows the appearance of GIST, confirmed immunohistochemically.

*Conclusions:* The GIST tumors of the small intestine are unusual tumors and the spontaneous perforation and life-threatening hemorrhage are a rarity. The main treatment for this form of GIST is the resection, with a favorable clinical outcome.

**Key words:** GIST, Meckel diverticulum, acute abdomen