

**IE-003 - ADENOCARCINOMA OF THE CECUM TREATED BY ENDOSCOPIC SUBMUCOSAL DISSECTION**

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**Case report:** A 72-years-old female patient was referred to our center for endoscopic treatment of a neoplastic lesion located at the cecum. High-definition colonoscopy disclosed a 25mm lateral spreading tumor non-granular type, with a central pseudodepression (T0-IIa+IIc) and non-invasive pit pattern (JNET 2B). The lesion was over the ileocecal valve and extending to the cecum. Endoscopic submucosal dissection (ESD) was performed at the endoscopy unit, under anesthesia, using a pediatric colonoscope (PCF-H190TL/I, Olympus) and a FlushKnife BTS1.5mm(Fujifilm). During the dissection a thickened submucosal fat at the ileocecal valve was identified, which was associated with a higher risk of bleeding and worse conductance. The submucosal fibrotic tissue in the remaining cecum posed an additional obstacle. Using a traction method, en bloc excision of the cecal specimen measuring 35×28mm was successfully achieved. Pathology examination showed low-grade adenocarcinoma with 938 micrometers submucosal invasion, without lymphovascular invasions or budding, totally resected.

**Discussion:** Despite the worldwide dissemination of ESD, its application in the colon, specifically in the right colon, is limited to a few centers. We described a case of curative resection of an early invasive cancer of the cecum treated by ESD demonstrating the advantages of this technique in selected colon lesions. Additionally, the cecum and ileocecal valve pose a set of challenges for ESD. Namely, the limited endoscope maneuverability in the proximal colon; the cecal thin and frequently fibrotic wall and the presence of thick blood vessels and fat tissue in the submucosa of the ileocecal valve. On those premises, ileocecal valve lesions are mainly managed surgically, very often an overly aggressive therapy for such pathology. We present endoscopic images and videos of the technique highlighting its singularities due to lesion location. To the best of our knowledge, this is the first case of adenocarcinoma of the cecum treated by ESD in Portugal.