A 29-year-old woman was admitted to the hospital with a history of emersion of hair from her anus without pain, melena, or bleeding. Recently, the diameter of her feces has been decreased and she has reported mendacious feeling of fullness of her rectum. She has been referred to a gastroenterologist and underwent a colonoscopy which showed a mass including hair and tooth-like structure (Figure 1). The patient underwent endosonography (EUS) which reported a large mixed echoic lesion with cystic components at 10 – 18 cm from the anal verge. Ultrasonography also reported a 4 cm in diameter cyst in the right ovary with calcification in its thick wall; the cyst was simple and without septation. Computed tomography (CT) scan revealed a mild dilatation in the calyx and throughout the right ureter which seemed to be the compressive effect of a mass on the right ureter. There was a hypoechogenic mass with two calcified zones, 4 cm in diameter, in the right pelvic.

What is your diagnosis?


Figure 1. Colonoscopic views of the mass in the rectum.

Figure 2. Teratoma of the ovary extending into the rectum.

Photoclinic
There is a limited number of reported cases of ovarian teratoma with invasion to the rectum.[1-5] The tumor is usually benign and can be diagnosed by routine colonoscopy followed by histologic confirmation. The tumor can present with abdominal pain, bleeding, or obstruction-like syndromes. Although it is rare, but considering it in the differential diagnosis of rectal tumors can be useful. For this patient, a laparotomy was done and a left ovarian teratoma with adhesions to the rectosigmoid was detected. A right ovarian cystectomy and a left ovarian salpingo-oophorectomy with partial colectomy in the rectosigmoid region was performed (Figure 2). The pathology report revealed a moderately-defined mass attached to the ovary. The tumor was coated with a hairy layer similar to skin and a heterogeneous appearance due to fatty tissue with well-formed tooth and cystic area with gelatinous material. The diagnosis was mature keratotic squamous epithelium, compatible with teratoma protruding into the rectum.

References