

A rare collision of mature cystic teratoma with benign Brenner tumor in ovary

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Collision tumors are rare clinical entities wherein two histologically distinct tumor types occur at the same anatomic site and collision can occur between tumors originating in the same organ or between metastases from other sites. Though collision tumors have been described in multiple locations, including gastric cardia, cervix, urinary bladder, liver, lung, oral cavity, thyroid, and bile duct, their occurrence in Ovary is rare. Most of the collision tumors have been documented between carcinomas and sarcomas/lymphomas and rarely between two types of carcinomas. In ovary combinations of collision tumors that have been reported are serous papillary cystadenocarcinoma and granulosa cell tumor, serous adenocarcinoma and steroid cell tumor, and teratoma with granulosa cell tumor. We report a rare case with a combination of Mature Cystic Teratoma with Benign Brenner tumor. A 38-year-old patient presented with right ovarian mass. Ultrasound revealed a mass in right ovary with solid and cystic

component. Radiological diagnosis was mature Teratoma. The case was operated, and ovarian mass sent for histopathological examination. On gross examination, the ovarian mass was 5.2x4x3.5cm. Cut section revealed cyst filled with pultaceous material and hair along with solid areas adjacent to the cyst wall. Microscopic examination revealed mature cystic Teratoma along with benign Brenner Tumor in the solid area. In conclusion, all the multiloculate cysts of ovary must be meticulously grossed and examined, so as not to miss any component of collision tumor which might affect the prognosis of the patient.

Speaker Biography

R Rahul Dev Singh has completed his residency training in pathology and senior residency from Gandhi Medical College, Secunderabad, Telangana, India. He is interested in Haematological diseases and in gastrointestinal pathology. His dissertation work was on spectrum of lesions in colon and rectum in different age groups in the regional population.

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