PRIMARY CARCINOID TUMOR ARISING WITHIN A MATURE CYSTIC TERATOMA OF OVARY
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Introduction: Mature cystic teratomas are benign tumors mostly seen in the ovaries in the adults.(1)Malignant transformation of the mature cystic teratoma (MCT) is a rare event occurring in 1-3% of the patients (2-3).Teratomas include different types of tissues originating from three germ layers. And all of those tissues have potential to undergo malignant transformation, and mostly associated one is squamous cell carcinoma. Carcinoid tumor arising in a mature teratoma is very rare. Case report:A 53-year-old postmenopausal women applied with a history of prolapsus of uterus. Transvaginal ultrasonography was reported as 17x13 mm sized hyperechogen, well shaped lesion in the right ovary. She underwent vaginal hysterectomy bilateral salpingoopherectomy , anterior-posterior colporaphy and sacrospinous ligamentophexy. Microscopically, mature elements of all three germ layers were present. Among the teratoid tissues, carcinoid tumor was present. Mitotic activity was low. Immunohistochemical staining was positive for neuron-specific enolase and chromogranin-A. Capsul was intact. After diagnosis of the carcinoid tumor arising within the teratoma incidentally by pathological examination. Discussion: Tumors arising in mature cystic teratoma are squamous cell carcinoma, basal cell carcinoma, sebaceous tumor, malignant melanoma, adenocarcinoma, sarcoma and neuroectodermal tumor (4-5). Malignant transformation of bening cystic teratoma seen in 1-2 % of the cases, usually in patients over 40 years of age. Patient had a prolapsus complaint she underwent vaginal hysterectomy, for her ovarian lesion bilateral salpingoopherectomy was performed. With such a treatment approach malignant tarnsformation of the MCT was diagnosed. It revealed the importance of the additional bilateral salpingoopherectomy to vaginal hysterectomy.