**"Malignant transformation in an ovarian mature cystic teratoma: A Case Report"**

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**Abstract:**

Germ cell tumors account for approximately 30% of all ovarian tumors. Ninety-five percent of germ cell tumors are dermoid cyst (mature cystic teratoma). Malignant transformation in a mature cystic teratoma of the ovary is a rare event, developing in 1 to 2 % of cases and is associated with a poor prognosis. The most common malignancy is squamous cell carcinoma (75%). In the present report, we describe a case of squamous cell carcinoma arising in a mature cystic teratoma.A 40 year old female presented with a mass in abdomen since 3-4 months, pain in abdomen & recent haematuria. Clinical examination, Ultrasound & CT scan were suggestive of ovarian tumor- solid cystic ovarian teratoma. Exploratory laparotomy with debulking surgery was done as the mass was adherent to the adjacent structures like bladder & uterus. Final histopathological diagnosis offered was squamous cell carcinoma arising in a mature cystic teratoma.

**Keywords:** mature cystic teratoma, malignant transformation, squamous cell carcinoma.

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