

STROMAL CARCINOID TUMOUR OF THE OVARY

(A Case Report and Review of Literature)

by

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Introduction

Primary ovarian carcinoids are uncommon tumours. The majority arise within pre-existing teratomas. The rarity of the stromal carcinoids of the ovary with Meigs's syndrome, particularly in Indian literature, has prompted us to report the present case.

CASE REPORT

A 33 years old woman was admitted in May, 1981 in the Gynaecology ward of the Rajendra Hospital attached to the Medical College, Patiala with the chief complaint of the distension of the abdomen of 1½ years duration, mild dyspnoea and chest pain 1½ months. The patient had massive right sided pleural effusion and ascites. The pleural fluid was aspirated four times during her stay in the hospital. Multiple purpuric spots were seen on both the lower limbs. Laparotomy was done on 5-6-81 and the right ovary was seen to be enlarged, and irregular in shape. The left ovary and the uterus were atrophied. About 1000 ml. blood stained peritoneal fluid was drained during operation. The ovarian tumour was removed and sent for histopathological examination. The case was clinically diagnosed as ovarian tumour with Meigs's

syndrome. The patient made an uneventful recovery and was discharged on 20-6-81.

Gross Appearance: The tumour mass measured 14 x 10.4 cms. The outer surface was lobulated. The cut surface was cystic as well as solid. The cystic area was mucoid in nature and in the centre, there was one solid area about 2 cm in diameter which was homogenous glistening, light brown thyroid like tissue (Fig. 1).

Microscopic Examination: Sections showed solid nests and clusters of compactly arranged cells of uniform appearance and these compact cellular masses of variable sizes were surrounded by a scanty, delicate and vascular stroma. The cells were mostly polygonal with abundant eosinophilic cytoplasm and uniform looking round to oval vascular nuclei (Fig. 2). The sections from the thyroid looking tissue showed follicles of variable sizes lined by cubicle to flattened epithelium and containing deeply stained eosinophilic colloid material (Fig. 3).

Histological Diagnosis: Carcinoid tumour associated with struma ovarii.

Summary

A relatively rare case of stromal carcinoid tumour of the ovary with Meigs's syndrome in a 38 years female has been described and the relevant literature on the subject has been reviewed.

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See Figs. on Art Paper III