

OP 26: A rare case of papillary thyroid carcinoma arising in struma ovarii

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Introduction: Mature cystic teratomas account for 15 to 20% of ovarian tumours. Thyroid tissues are found in 20% of those, but the term "struma ovarii" where the major proportion of the tumour comprised of thyroid tissue, accounts for only 2 to 5% of them. These are usually benign but rarely show malignant transformation (Malignant Struma Ovarii). There are no protocols or guidelines for the management of these tumours due to its rarity, and management should be individualized .

Case report: This is a case of papillary carcinoma of thyroid arising in a struma ovarii, in a 30 year old mother of one child with future reproductive wishes. The diagnosis was made postoperatively following bilateral cystectomy for dermoid cysts, histology revealed no vascular or capsular invasion. Thyroid function tests and fine needle aspiration following ultra sound scan (USS) of the thyroid were normal, with normal thyroglobulin levels. Computed tomography (CT) scan and Iodine 131 nuclear medicine scan revealed no evidence of metastasis. She was managed