

# 14<sup>TH</sup> ASIA PACIFIC PATHOLOGY CONGRESS

NOVEMBER 13-14, 2017 OSAKA, JAPAN

## Three case reports of papillary thyroid carcinoma within thyroglossal duct cyst

Yeung Wai Hung, Wong Ka Fai and Leung Siu Kee  
Tuen Mun Hospital, Hong Kong

Papillary carcinoma within thyroglossal cyst is rare with incidence 1% to 2% from literature. We present 3 cases of papillary thyroid carcinoma out of 75 cases (4%) of thyroglossal cyst operated in our hospital in last 13 years. All three cases are of females. They belong to age 73, 16 and 30. First case preoperatively found irregular hard mass, heterogeneity with calcification on ultrasound and solid enhancing component, invading right neck strap muscle and prominent submental lymph nodes on CT scan. Second and third case had no preoperative distinguishing features of malignancy. All were managed with Sistrunk's operation and total thyroidectomy with or without lymph node dissection. For total thyroidectomy histopathology report, first case showed different tumor morphology in thyroglossal cyst and thyroidectomy specimen, likely due to second primaries, second case showed papillary carcinoma and third case showed lymphocytic thyroiditis. Cervical lymph node metastasis was noted in pathology report in first and second case. Hypocalcemia was noted in second and third case and managed with calcium supplement. All of them underwent radioactive iodine and subsequently thyroid hormone suppression therapy. They were being followed up for 4 years in the first case and 10 years in second and third case at the time of review. There was no recurrence and 5 years survival was 100%. Thyroid carcinoma found in thyroglossal cyst is well documented. This should be discussed with patient in management of thyroglossal cyst. Prognosis is good especially with papillary thyroid carcinoma.

### Biography

Yeung Wai Hung, MBBS (HK), MRCSEd, Resident Trainee, Tuen Mun Hospital.

eddyyeung89@yahoo.com.hk