A rare case of a locally advanced chest wall squamous cell carcinoma with papillary thyroid carcinoma

Husna Harun[1], Raflis Ruzairee Awang[2], Nor Azham Hakim Darail[2], Nur Aziah Adib Anuar[2]

[1]Department of Surgery, Hospital Raja Perempuan Zainab II, 15588, Kota Bharu, Kelantan, Malaysia, [2]Breast and Endocrine Unit, Surgical Department, HKL

Track: Medical Professionals
Theme: Treatment

ABSTRACT

Introduction: Coexistence of different malignancies in an individual is a rare occurrence, and the association between a locally advanced squamous cell carcinoma (SCC) and papillary thyroid carcinoma (PTC) is outstandingly uncommon. We present a rare dual malignancy case, a locally advanced chest wall squamous cell carcinoma (SCC) and papillary thyroid carcinoma (PTC), highlighting the diagnostic and surgical challenges. **Case report:** A 62-year-old gentleman presented with a 2-month history of a rapidly growing anterior chest wall mass which was later confirmed to be a squamous cell carcinoma. CT scan revealed a huge chest wall mass extending from the level of C6 to T5 infiltrating the sternocleidomastoid (SCM), pectoralis, infrahyoid muscles and right thyroid lobe. There was presence of bilateral axillary and right cervical lymphadenopathy. He underwent an en-bloc resection of a chest wall SCC together with bilateral sternoclavicular joint excision and manubriectomy followed by a total thyroidectomy with right modified radical neck dissection (MRND) and bilateral axillary clearance. The huge chest wall defect was closed with an anterolateral thigh (ALT) free flap. The histopathological reports confirmed a well differentiated SCC (T3, N0, M0) with clear resection margin and multifocal PTC (T1b, N0, M0). The post-operative recovery was uneventful. No subsequent adjuvant therapy was needed and he continued follow up in primary care. **Conclusion:** The occurrence of SCC alongside PTC is an extremely rare phenomenon. A multidisciplinary approach is essential to formulate an individualized treatment plan. In this case a complete en-bloc resection of the locally advanced SCC and total thyroidectomy present curative intent.

Keywords: Papillary, thyroid, squamous, rare, carcinoma