

## **Differentiated Thyroid Cancer Presenting with Solitary Bony Metastases to the Frontal Bone of the Skull**

**Authors :** Christy M. Moen, Richard B. Townsley

**Abstract :** Introduction: Metastasis to the frontal bone in thyroid cancer is extremely rare. A literature review found only six cases of thyroid cancer that metastasised to the frontal bone, with two of those involving further bone sites. Case Report: The patient was originally referred to the Oral and Maxillofacial Surgery team with an isolated mass on her forehead. Biopsies were performed, which showed this was likely a metastatic deposit from thyroid cancer. CT-PET scan showed this was an isolated lesion. The patient had a total thyroidectomy, and the forehead lesion was managed with radiotherapy. On interval scanning, the patient's bony lesion had increased in size and had new lung nodules, which likely represented further metastasis. Conclusion: Isolated bony metastases to the frontal bone are rare. An important clinical principle to remember is that a bony metastasis from an unknown primary is more likely than primary bone cancer.

**Keywords :** cancer, thyroid, head and neck, surgery

**Conference Title :** ICMCCR 2021 : International Conference on Medical and Clinical Case Reports

**Conference Location :** Amsterdam, Netherlands

**Conference Dates :** November 04-05, 2021