



SKIN CANCER (OTHER THAN MELANOMA)

A CASE OF BASAL CELL CARCINOMA WITH METAPLASTIC BONE FORMATION

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Background: Basal cell carcinoma is the most common primary cutaneous malignant tumor of the skin. In patients with basal cell carcinoma, calcification is reported in up to 21% of cases, calcification may occur inside the nest of basal cell carcinoma or may occur independently in the stroma and basal cell carcinoma with calcification is more invasive histologic pattern in many cases. There was a case of basal cell metaplasia to mature osteocytes that accompanied osteogenesis and calcification.

Observation: A 90-year-old woman was referred to the dermatologist for a 1.5cm sized hyperpigmented protruding tumor on the bridge of the nose from 1 year and 6 months ago. A 3mm punch biopsy was performed at the center of the tumor. Tumor islands were connected to the epidermis or independently existed in the dermis. Basal cell carcinoma was diagnosed typical histologic findings as peripheral palisading pattern of basaloid cell and peritumoral cleft. Calcification was observed in the upper dermis adjacent to the tumor island and a number of osteocytes were observed in lacuna. Also, bony trabecula and basophilic bone metaplasia were observed. All lesions were clearly removed by Mohs micrographic surgery.

Key message: Calcifications associated with carcinoma are common, and basal cell carcinoma is more associated with calcification than other skin cancer. There were some cases of bone metaplasia from thyroid cancer, lung cancer and breast cancer, but there were just few cases bone metaplasia from skin cancer. So, we report a very rare case of metaplastic bone formation from basal cell carcinoma that mature osteocytes were observed together with basal cell carcinoma.

