



SKIN CANCER (OTHER THAN MELANOMA)

## **RARE CASE OF SUPERFICIAL AND FOCAL INFILTRATIVE GIANT BASAL CELL CARCINOMA TREATED WITH DEFINITIVE RADIOTHERAPY**

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**Background:** Giant basal cell carcinoma, defined as a tumor that is larger than 5 cm in diameter, is a very rare type of cutaneous malignancy accounting for 0.5-1% of all basal cell carcinomas. We present a case of a histopathologically verified 17 cm superficial and focal infiltrative giant basal cell carcinoma treated with definitive electron radiotherapy.

**Observation:** A 74-year-old man, presented with an extensive, well demarcated, 14x17 cm oval erythematous, infiltrative plaque on the right supraclavicular region with multiple irregular ulcerations and erosions covered by purulent and hemorrhagic crusts with peripheral telangiectasias along the border. Detailed history revealed the lesion started as a papule 15 years before presentation. Previous treatment included only a short course of topical 5% fluorouracil cream applied locally 10 years ago and the lesion was neglected until admission. Histology confirmed superficial and focal infiltrative basal cell carcinoma. Oncology and Radiology skin and soft tissue consilium determined the basal cell carcinoma to be inoperable, thus radiotherapy was indicated. Electron radiotherapy was instituted with 54 Gy total dose delivered in 20 daily fractions. Healing of lesions and adequate response was obtained post-radiotherapy.

**Key message:** While surgery provides the most effective treatment and cure rate for basal cell carcinoma, there are cases such as this giant basal cell carcinoma that are inoperable or pose difficulties. Thus, definitive radiotherapy, when criteria are met, can be just as effective.

