INTRODUCTION

Basal cell carcinoma (BCC) is the most common neoplasm in the United States¹. Luckily, these tumors are slow-growing at an average rate of approximately 1 mm per year. If left untreated however, the tumor may reach substantial sizes, cause significant local tissue destruction, and may grow more rapidly over time^{2,3}. A BCC qualifies as a giant basal cell carcinoma (GBCC) once tumor diameter surpasses 5 cm. GBCCs account for about 0.5-1% of all BCCs and are associated with neglect and inadequate initial treatment^{2,4}. We present a case of a 64-year-old male who presented with a large fungating mass of the anterior left shoulder. He underwent excision of the mass, and demonstrated basal cell carcinoma.

CASE DESCRIPTION

History

- A 64-year-old male presented to the emergency department with a large ulcerated left anterior shoulder mass.
- He reports that he first noted a small, yellow mass on the left shoulder approximately 5.5 years ago.

Hospital Course

- Computed tomography (CT) of the chest with intravenous contrast demonstrated a 11 x 8 x 16 cm heterogeneous vascular solid exophytic mass.
- Iron-deficiency anemia was incidentally noted during his hospitalization and was attributed to the presence of pinpoint bleeding from the mass.
- The patient underwent excisional biopsy of the left shoulder mass. Per the pathology report, the operative specimen measured 12 x 8 x 16.5 cm with a weight of 958 grams.
- Pathology ultimately revealed basal cell carcinoma with histologically-confirmed negative margins. The patient was discharged prior to surgical pathology report finalization and was unfortunately lost to follow-up.

A Weight on his Shoulder

IMAGING



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DISCUSSION





Reference Range

.0-10.9 10³/µl
3.5-18.0 g/dL
40.0-52.0%
80.0-98.0 fL
30-450 10 ³ /µl
3.5-5.0 g/dL

Reference Range

45-182 ug/dL 250-450 ug/dL

9-55 % 23.9-336.2 ng/mL

- GBCCs are at increased risk of recurrence and/or metastases⁵.
- A study by Snow et al. found that tumors greater than 3 cm have a 2% incidence of metastasis and approximately 80% of metastatic basal cell carcinomas arise from primary tumors that are larger than 5 cm.
- Per the TMN classification, our patient's tumor would qualify for a T3 designation based on its size of >5cm alone.
- According to this study, patients with T3 and T4 tumors should be followed up for at least 10 years due to concern for metastasis⁶.
- Sadly, our patient was lost to follow-up and never underwent imaging for staging of his tumor. Regional lymph nodes were also not evaluated at time of surgery.

CONCLUSION

- Basal cell carcinoma is a common neoplasm that can routinely be treated with local excision.
- For people with inadequate access to healthcare, these tumors may be neglected which may lead to larger dimensions of the primary tumor and increased risk of metastasis.
- Any BCC greater than 5 cm in diameter is labeled as a GBCC and should be followed for at least 10 years due to risk of metastasis.

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