The ulcer measured 6 x 5 cm, with punched out edges and the base had papillary excrescences. Wedge biopsy was sent for HPE. Microscopically, tumor cell nests were seen with predominantly basaloid cells, having uniform round to oval, dark nuclei with peripheral palisading and retraction of surrounding fibrocollagenous stroma (Figure 2).

At places the cells revealed squamous differentiation with moderate to marked pleomorphism of keratinocytes. Tumour cell nests were separated by marked lymphocytic infiltrate (Figure 3). It was reported as metatypical basosquamous carcinoma.

**DISCUSSION**

Basosquamous carcinoma (BSC) was first described in 1910 by MacCormac and later by various authors as a tumor having histologic features of both BCC & SCC. BSC is a rare tumor with an incidence of less than 2%. Whether BSC exists as a distinct entity or merely represents a collision of two neoplasms has been a matter of considerable
Most authors consider it as a variant of BCC, which differentiates into SCC. While some authors recommend the exclusion of a collision tumor and a keratinizing BCC before making a diagnosis of BSC, others list 3 histopathological variants: collision tumors, tumors showing distinct areas of basal and squamous differentiation, and metatypical carcinomas. Burston and Clay, defined the BSC as BCC differentiating into SCC. It is now believed that BCC cells, being pluripotential cells, differentiate into the more aggressive squamous cells. In our case keratinizing BCC was ruled out as there was absence of any abrupt keratinisation at the centre of the BCC tumor nodule. In case of combined or collision tumors, BCC abuts to an adjacently arising SCC, which was not so in our case.

On the basis of immunohistochemistry, the term BSC can be applied to tumors resembling BCC that have areas of squamoid differentiation and show positive staining for Ber EP4 ((Epithelial antigen: Clone Ber EP4) with negative staining for EMA (Epithelial membrane antigen: Clone E29). BSC shows areas of definitive BCC (Ber EP4+) and SCC (cytokeratin AE1/AE3+) with a transition zone of diminished staining.

BSCs are more common in men; usually presenting in the fifth to eighth decades of life. Although few cases are reported even in the second decade. In the series reported by Borel, 97% of the tumors were located on the head and neck. Face and ears being the commonest sites. However, BSCs have also presented as ulceroproliferative lesions in the vulva. Few other authors found a head and neck location in 82% and 96% of patients. Our case was also situated in head region with relation to ear. The clinical morphology of BSCs has ranged from flat, rusty red colored tumors with clinically indistinct borders to ulcerative cutaneous neoplastic growths causing complete destruction of underlying soft tissue and bone, as in our case in which there was loss of the entire ear lobule. BSC is more locally invasive and more likely to recur and metastasize than other forms of BCC [Table 1].

Table 1: Aggressiveness of basosquamous cell carcinoma

<table>
<thead>
<tr>
<th>Tumor Type</th>
<th>Local recurrence rate (%)</th>
<th>Rate of occurrence of distant metastases (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC</td>
<td>45.7</td>
<td>4.8</td>
</tr>
<tr>
<td>BCC</td>
<td>24.2</td>
<td>0.09</td>
</tr>
<tr>
<td>SCC</td>
<td>21.9</td>
<td>7.9</td>
</tr>
</tbody>
</table>

Metastases of BSC are known to occur many years after identification of the primary tumor. These tumors are radioresistant. Hence such patients should undergo regular follow-up as long as possible. Johnson et al has described BSC as a wolf in sheep’s clothing.

A male gender, large size (> 20mm), positive surgical resection margins and lymphatic or perineural invasion are indicators for the aggressiveness of basosquamous carcinoma. The 5-year survival rate is estimated to be 17.5%. MacCormac (1910) stated: This group includes a few growths where great difficulty is found in determining whether the neoplasm should be classified as a rodent ulcer or as a Malpighian cancer. Where squamous cell differentiation has occurred in a BCC, unless the squamous cells themselves show malignant features, they are unlikely to influence the prognosis of the tumor, and thus any diagnosis which draws attention to them would be therapeutically valueless. This view has been previously stated by Broders (1925), who pointed out that cells showing signs of keratinisation are not capable of reproduction and that such cells are not active cancer cells. They cannot therefore of themselves be regarded as evidence of increased malignancy in any tumor in which they occur. Considering the histopathological description of BSC, it shows nests and strands of cells that mature into larger, paler and round cells. Peripheral palisading, if any, is less developed than in other types of BCC with minimal stromal retraction. Prominent stroma, prominent mitotic activity, and many apoptotic cells may be present. BCC is seen differentiating into SCC. It also consists of squamoid cells and intermediate cells.

CONCLUSION

Basosquamous cell carcinoma (BSC) is a rare cutaneous neoplasm with features of both basal (BCC) and squamous cell carcinoma (SCC) which has a potential for aggressive infiltration and destruction. BSC has biological aggressiveness intermediate between basal cell and squamous cell carcinomas. These tumors have been rightly described as a wolf in sheep’s clothing. Surgical excision...
with negative margins and long term follow-up are essential.

References

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