INTRODUCTION
Among the common skin cancers, melanoma is the most lethal. Although, it comprises only 3% of all skin cancers diagnosed, it accounts for about 75% of all skin cancer-related deaths. Melanoma is a relatively uncommon skin cancer in geographical locations like India. Its highest incidence is seen in the sixth decade. Head and neck melanomas constitute approximately 17% of all cutaneous melanomas. We present a 15 year old male patient who presented with a intracranial melanoma with osteolytic skull lesion.

CASE REPORT
A 15 year old male patient presented to our OPD with complaints of painless swelling in the posterior aspect of scalp since 1 year which was insidious in onset gradually progressive in nature. Patient gave a history of hyper pigmented patch over that area since birth. On examination there was a 15 x 20 cm non tender swelling in the parieto occipital region which was firm in consistency fixed to underlying bone. CT brain was done which showed heterogeneous mass with underlying bony defect in parieto occipital region (Figure 1). MRI brain was done. T1 weighted images suggested heterogeneous mass which was isointense with few areas of hyper intensity with intracranial extension. T2 weighted images suggested heterogeneous mass which was isointense with areas of hyper intensity. On contrast administration there was heterogeneous enhancement of contrast (Figure 2). Chest X ray was normal. Ultrasound abdomen was suggestive multiple metastatic lesions in the liver. Patient was operated, intra operatively. The mass was blackish in color moderately vascular with intra cranial extension with eroded bony margins was seen (Figure 3). Debulking of the mass was done followed by covering of exposed area with rotation flap. Histopathological examination was suggestive of malignant melanoma (Figure 4). Patient was referred to chemo radiotherapy department for further evaluation and management.

DISCUSSION
Melanoma is a relatively uncommon skin cancer in geographical locations like India. Its highest incidence is seen in the sixth decade. Presentation differs between genders. The commonest site in males is the trunk followed by head and neck, whereas in females it is the lower limb. Males usually present at an older age and with a later stage of disease. Melanoma in children and adolescents is rare and remains understudied. It accounts for less than 3%
of all childhood neoplasms.\(^1\) Head and neck melanomas constitute approximately 17% of all cutaneous melanomas.\(^3\) In our case, Patient is a 15 year old male with malignant melanoma over the scalp.

Most melanomas have two phases of growth, an initial radial (horizontal) and a later vertical growth phase. The radial phase is not associated with spread, but once vertical phase supervenes, it gives rise to cell population that can metastasize. The rate of distant spread is closely related to the number of involved nodes, whereas the risk of regional (in-basin) recurrence is related to the extra-capsular extension of the nodal disease.\(^4\) Metastasis occur to draining lymph nodes, lung, liver and bone. Common sites for osseous metastases of melanoma include the vertebrae, skull, pelvis, thoracic cage and proximal parts of the femur.\(^5\) In our case the melanoma had involvement of the underlying bone, manifesting as an osteolytic lesion over parieto occipital bone along with intracranial extension. Metastatic lesions In liver were also seen.

We found a similar presentation as our case on extensive search of articles, where a 23 year old male patient presented with osteolytic skull lesions in frontal skull bone which on excision reported as malignant melanoma with unknown primary.\(^6\) In our case there was osteolytic skull lesion over parieto occipital region.

Whereas the overall prognosis of an earlier diagnosed thin tumor is excellent, once metastasized it becomes an incurable disease with high mortality. Regarding the prognostic importance of various factors, the anatomical site of stage IV tumors correlates with survival, with metastasis to brain and visceral sites having the worst prognosis.\(^1\)

Treatment of melanoma involves multimodality approach involving surgery, radiotherapy, chemotherapy, and immunotherapy. Surgery includes resection of the primary, lymph node dissection, sentinel lymph node biopsy, and resection of metastases in selected cases.\(^1\)
In selected Stage IV melanoma patients, aggressive surgical approach has been reported since non-surgical treatment of Stage IV melanoma has been beneficial in only few selected cases. In our case debulking of the tumour was done and patient was referred to chemo radiotherapy department for further management.

CONCLUSION

The possibility of metastatic melanoma should be considered as the differential diagnosis of any lytic bony lesion in the skull even in a young adult.

REFERENCES

1. Sharma K, Mohanti BK and Rath GK. Malignant melanoma: A retrospective series from a regional cancer center in India.

Authors Contribution:
SBV - Principle author - reviewed the literature, manuscript preparation and critical revision of the manuscript; SKS - Operated the patient, reviewed the literature, manuscript preparation; MSB - Literature search, prepared first draft of manuscript and critical revision of the manuscript; PG - Collected data and review of study, literature search.

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