



28th Annual Conference of the Dermatopathology Society of India

A Study on the Spectrum of Facial Skin Lesions: A Histopathological Analysis

Dr. Siddheshwar Laddha, Dr. Tina Rai, Dr. Sourabh Jain, Dr. Pragati Awasthi, Dr. Chakshu Sukheja —
Departments of Pathology and Dermatology, ABVGMC, Vidisha.

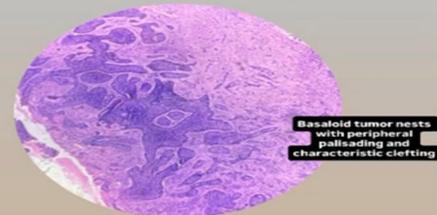
INTRODUCTION

Facial skin lesions constitute a **heterogeneous group** of disorders with overlapping clinical presentations. Owing to the **cosmetic importance** of the face, clinicians are often meticulous while considering facial biopsies. However, clinical evaluation alone may not always be sufficient; therefore, **histopathological examination** remains essential for accurate diagnosis and appropriate management of facial skin lesions.

METHODS

This retrospective observational study included 50 cases of facial skin lesions received in the Department of Pathology, ABVGMC, Vidisha, over the last six months. Relevant clinical details were reviewed, and tissue sections were stained with hematoxylin and eosin, with special stains applied where indicated. **Clinico-histopathological correlation** was assessed and categorized as concordant or discordant.

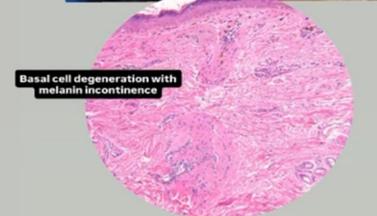
RESULTS



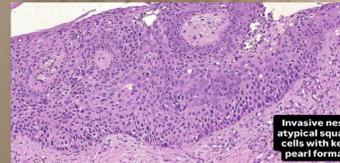
Basal Cell Carcinoma



Lepromatous Leprosy



Lichen planus pigmentosus



Keratoacanthoma-like clinical lesion with histopathological features of squamous cell carcinoma

Clinical Diagnosis	Age (years)	Gender	Histopathological Diagnosis	Correlation
Basal Cell Carcinoma	45-75	Female	Basal Cell Carcinoma	Concordant
Squamous Cell Carcinoma	40-70	Male	Squamous Cell Carcinoma	Concordant
Keratoacanthoma	58	Male	Squamous Cell Carcinoma	Discordant
Squamous Cell Carcinoma	62	Male	Basal Cell Carcinoma	Discordant
Other Facial Lesions	20-60	Male	Corresponding Diagnosis	Concordant

Clinico-histopathological concordance was observed in **46 cases (92%)**, with histopathology contributing to definitive diagnosis in **4 discordant cases (8%)**

DISCUSSION

Facial skin lesions pose diagnostic challenges due to cosmetic concerns and overlapping clinical features. While the clinical expertise of the dermatologist or **dermatologist is crucial in lesion assessment and biopsy planning**, definitive diagnosis relies on **accurate histopathological interpretation by the pathologist**, with immunohistochemistry when required, underscoring the importance of close clinico-pathological collaboration

CONCLUSION

Facial skin lesions often present with overlapping clinical features, making accurate diagnosis challenging. This study highlights the pivotal role of **histopathological examination in establishing definitive diagnoses, ensuring appropriate management**, and preventing both under- and overtreatment in a cosmetically sensitive region. **Limitation:** The study is limited by its retrospective design and relatively small sample size.

REFERENCES

1. Lever WF, Schaumburg-Lever G. *Lever's Histopathology of the Skin*. 11th ed. Wolters Kluwer; 2015.
2. Elder DE, Massi D, Scolyer RA, Willemze R. *WHO Classification of Skin Tumours*. 5th ed. IARC Press; 2018.
3. Weedon D. *Weedon's Skin Pathology*. 5th ed. Elsevier; 2021.