

# POSTER ID 61: PRIMARY CUTANEOUS PLASMABLASTIC LYMPHOMA IN A CASE OF HIV-A RARE TUMOUR

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**A 38 year old HIV infected female**

- Rapidly enlarging, occasionally painful, single white to pinkish, firm, non tender, 5 x 6 cm mass with smooth surface on the fourchette extending upto gluteal cleft, with pus discharge and foul smell since 1 month
- Associated with difficulty in defecation and discomfort, loss of weight and appetite.
- On TLE regimen since 5 years, irregular
- Right inguinal lymph nodes palpable- multiple, discrete, firm, non tender, largest being 1.5 x 2 cm



**INVESTIGATIONS**

- Hb- 9.6 gm/dl
- WBC count-1500
- Platelet count- 291000
- CD4- 17
- HIV Viral Load- 5,61,970 copies/ml

IMMUNOHISTOCHEMISTRY	
MUM-1, CD38, PAX-5	+
CD20, CD30, EBER	+
CD3, ALK 1, CD 138	-
Mib Proliferation Index	90 %

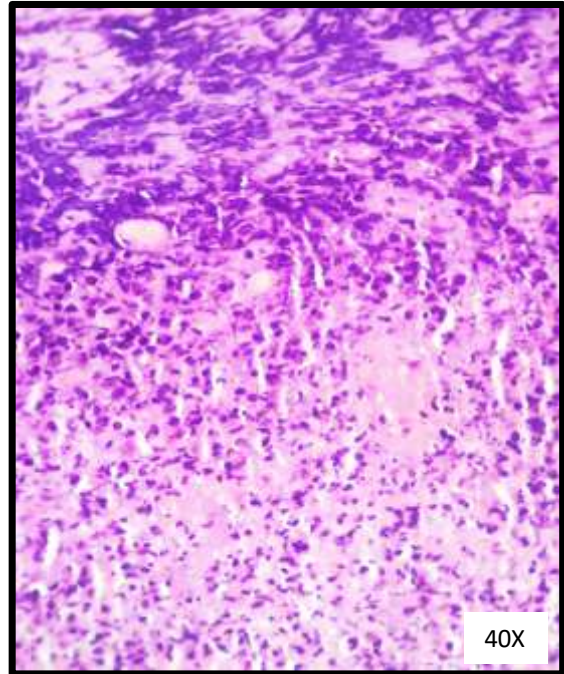
**TREATMENT**

Wide local excision with chemotherapy with Cyclophosphamide + Bortezomib + Vinblastine + Etoposide + Methotrexate

**HISTOPATHOLOGY**



Dense lymphocytic infiltrate in upper dermis with areas of caseation necrosis



Multiple atypical lymphocytes

**DISCUSSION**

1. Non Hodgkins type B cell lymphoma regarded as a distinct type of diffuse large B cell lymphoma, usually seen in immunocompromised patients.
2. It shows positivity for at least one plasma cell marker- CD 38, CD 138 or MUM1.
3. It is an extremely rare tumour with **only 12 cases of primary cutaneous plasmablastic lymphoma reported till date.**

**CONCLUSION**

1. The diagnosis of this unusual lymphoma that is **negative for B and T cell markers as well as CD 45, and positive for markers of plasmacytic differentiation, is a challenge for both, the dermatologist and the pathologist.**
2. Poor prognosis, it is imperative to ensure prompt diagnosis through accurate use of immunohistochemistry and early initiation of treatment of patients with this rare tumour.

**DIFFERENTIAL DIAGNOSES-**

1. Buschke Lowenstein tumour
2. Squamous cell carcinoma

**FINAL DIAGNOSIS-  
PRIMARY CUTANEOUS PLASMABLASTIC LYMPHOMA IN A KNOWN CASE OF HIV**

*References-*

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3. Behera B, Kumari R, Chandrashekar L et al. Primary cutaneous plasmablastic lymphoma presenting as perineal ulcero-proliferative growth in a human immunodeficiency virus-seropositive patient. *Indian J Dermatol Venereol Leprol* 2017;83:83-6.