





Deniz Peker, MD Disclosure

• No conflict of interest to disclose

Clinical History

89 year old male with history of Crohn's disease was found to have multiple necrotic and ulcerating lesions in oral cavity

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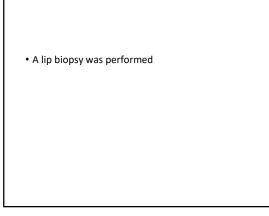


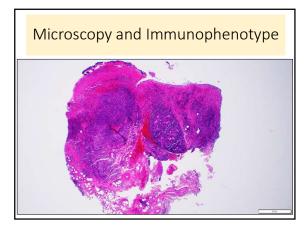
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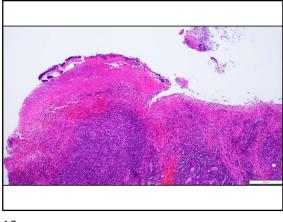




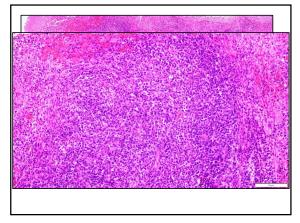


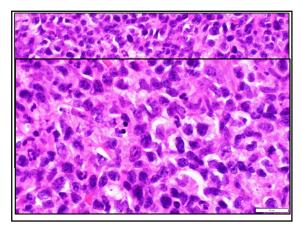






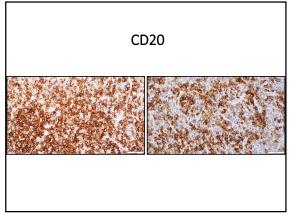


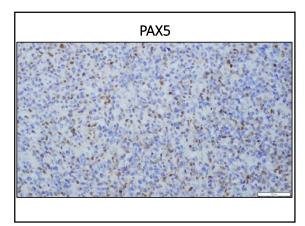


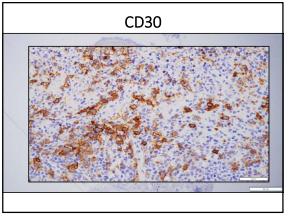




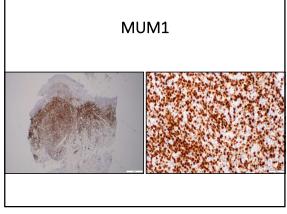


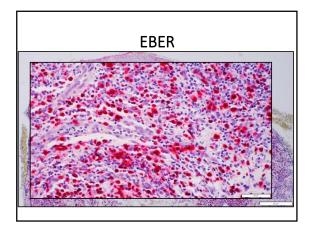




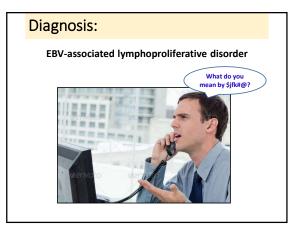




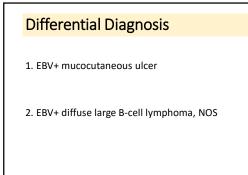










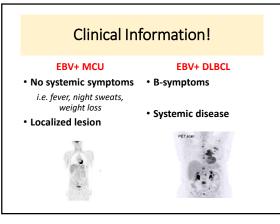


| | EBV+ Diffuse Large B-cell Lymphoma | EBV+ Mucocutaneous Ulcer |
|---------------------|---|--|
| Location | Systemic nodal/extranodal disease | Skin Mucosa (oral, GI) |
| Risk Factors | Older age | Immunosuppresion |
| Microscopy | Large transformed immunoblasts Hodgkin/Reed-Sternberg- like cells Inflammatory background | Large transformed immunoblasts Hodgkin/Reed-Sternberg-like cells Inflammatory background |
| Imuunophenotype | CD19, CD20, PAX5, CD79a MUM1 CD30 PDL1 and PDL2 | CD20, PAX5, OCT2 MUM1 CD30 and CD15* |
| Molecular | Clonal | Clonal or non-clonal |
| Treatment | Chemo-immunotherapy | Reduction of immunosuppression Rituximab Local radiation |
| Prognosis | Poor | Good |









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EBV+ MUCOCUTANEOUS ULCER

Age or immunosuppressant-related immunodeficiency

• Cutaneous and mucosal ulcers, no systemic disease

 Classical Hodgkin lymphoma, diffuse large B-cell lymphoma or monomorphic PTLD-like morphology and immunophenotype

Angioinvasion and necrosis can be present

• EBER+; serum EBV titers not elevated (unlike PTLD)

Good prognosis, often spontaneous regression with reduced immunosuppresants

Take Home..

- <u>Diagnostic line:</u> "EBV+ lymphoproliferative disorder, see comment"
- Discuss likelihood of EBV+ MCU; BUT, include large B-cell lymphoma in the differential
- Patients need to be evaluated for systemic disease

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