

Pathology Review

Chapter 6: Dermatological Pathology

UPDATE: February 2014

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11. Which of the following is not considered a high risk feature in squamous cell carcinoma of the skin?
- a. Lymphovascular invasion.
 - b. Perineural invasion.
 - c. Clark level.
 - d. Ear lesions.
 - e. Histologic grade.

Answer: a (included in CAP but not by the AJCC)

12. What is the antigen in pemphigus vulgaris?
- a. Desmoplakin.
 - b. Desmoglein 1.
 - c. Desmoglein 3.
 - d. Desmoglein 4.
 - e. BpAg1.

Answer: c (although less, B also)

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30. What are three types of cutaneous lupus?

- Acute.
- Subacute.
- Chronic (discoid, tumid, panniculitis).

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90. List features of squamous cell carcinoma that are high risk.

- Perineural invasion.
- Primary site: ear or non-hair-bearing lip.*
- > 2 mm Breslow thickness.
- Poorly differentiated or undifferentiated histology.
- Clark IV/V

* Note: Different sources report hair-bearing or non-hair-bearing lip as a high risk feature. The most recent version of the College of American Pathologist cancer protocols uses the definition of "hair-bearing lip."

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97. What are the four clinical settings of KS?

- Classic — occurs in elderly men of Mediterranean origin.
- African — occurs in young children with diffuse aggressive disease. (Endemic)
- AIDS associated — presents as a rapidly progressing, diffuse disease. (Epidemic)
- Immunosuppressed/iatrogenic — usually resolves with withdrawal of immunosuppression.

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113. Discuss mammary Paget disease and extramammary Paget disease.

- Mammary Paget disease:
 - Location: mammary skin, with a proliferation of malignant cells percolating through the epidermis.
 - Neoplastic cells: larger than keratinocytes and may have pale cytoplasm.
 - Staining: usually positive for CK7 and CEA, and negative for melanocytic markers (important in the differential diagnosis).
 - Associated condition: usually underlying breast carcinoma.
- Extramammary Paget disease:
 - Location: genital and perianal skin.
 - Histology: virtually identical to mammary Paget.
 - Lesions: may occur in isolation, but can be associated with underlying visceral malignancies (GI tract, genitourinary tract), or with cutaneous adnexal adenocarcinomas.
 - Staining: mucin positive.