Neural and Neuroendocrine Tumors
(Weedon Chapter 37)

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Useful stains to identify neural differentiation include all except:

A. S100
B. Synaptophysin
C. Chromogranin
D. Bodian
E. Epithelial membrane antigen
Answer E
Characteristics of the malignant primitive neuroectodermal tumor include all except:

A. Localized to the subcutis and dermis
B. Extra-skeletal Ewing’s sarcoma is considered a morphological variant
C. Consistent translocation t(11;22)(q24;q12) identified
D. CD99 positive
E. Homer-Wright rosettes
Answer A

- Most MPNET are situated in the deep soft tissue and only rarely involve the dermis or subcutis.
Immunohistochemical stains usually positive with Merkel cell carcinoma include all except:

A. Chromogranin
B. Cytokeratin 20
C. S100
D. Ber-EP4
E. Synaptophysin
Answer C
Stains that are usually positive with Granular cell tumors include all except:

A. S100
B. PAS
C. Neuron specific enolase
D. Epithelial membrane antigen
E. NKI/C-3
Answer D