

**49th ANNUAL DIAGNOSTIC SLIDE SESSION, 2008
DIAGNOSES AND REFERENCES**

MODERATOR: Anthony T. Yachnis, M.D.

EDITOR: Leroy R. Sharer, M.D.

Case 2008-10

Submitted by: Kliment Donev, M.D., and Bernd Scheithauer, M.D., Pathology and Laboratory Medicine, Mayo Clinic, Rochester, MN, 55905

Diagnosis: Plexiform perineurioma

Comment: Key immunohistochemical studies included positive reactions for EMA, Glut-1 and claudin-1, which are positive in perineurial cells, and also collagen VI ; S-100 was negative, as were neurofilament protein, SMA and keratin. Only a few examples of this lesion have been described, all occurring in females.

References:

Folpe AJ, Billings SD, McKenney JK, Walsh SV, Nusrat A, Weiss SW: Expression of claudin-1, a recently described tight junction-associated protein, distinguishes soft tissue perineurioma from potential mimics. *Am J Surg Pathol* 2002; 26:1620-1626.

Mentzel T, Kutzner H: Reticular and plexiform perineurioma: clinicopathological and immunohistochemical analysis of two cases and review of perineurial neoplasms of skin and soft tissues. *Virchows Arch* 2005; 447:677-682.

Zelger B, Weinlich G, Zelger B. Perineuroma. A frequently unrecognized entity with emphasis on a plexiform variant. *Adv Clin Pathol* 2000; 4:25-33.