Diagnosis

Case of the month

April 2016

Diffuse leptomeningeal neuroepithelial tumor

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Generally in pediatric age group.
Oligodendroglioma-like histology with occasional neuronal features.
Extensive leptomeningeal dissemination with desmoplastic stroma.
Frequently positive immunohistochemical markers: OLIG2, S100, GFAP, synaptophysin.
Molecular markers:
   Frequently \textit{BRAF}-\textit{KIAA1549} fusion and 1p loss.
   Rarely 1p/19q codeletion.
   No IDH1 mutations.
Generally slowly progressive but aggressive behavior has been reported.
Will be included in the updated WHO 2016 classification.

References:
