RESIDENT & FELLOW SECTION

Teaching NeuroImages: A diffuse infiltrating retinoblastoma

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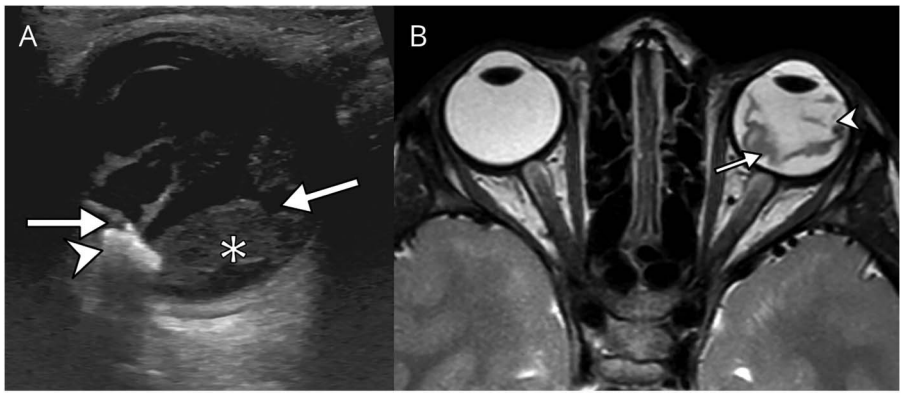
Figure 1 Imaging



(A) Ultrasonography and (B) axial T2-weighted MRI show a total retinal detachment (arrows) with a coarse nodular calcification on a thickened retinal fold (arrowhead) and a subretinal hemorrhage (asterisk).

A 4-year-old girl was referred for a painless heterochromia iridis and a loss of visual acuity. Funduscopic examination revealed a total retinal detachment (RD) associated with a vitreous hemorrhage.

Ultrasonography and an ocular MRI showed a total RD with a calcification on the temporal retinal fold (figure 1), suggestive of a diffuse infiltrating retinoblastoma.

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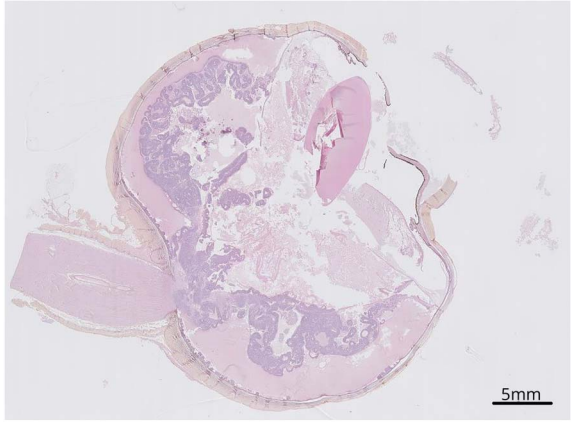
Figure 2 Histology



Histology shows a diffuse infiltrating retinoblastoma.

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Go to Neurology.org/N for full disclosures. Funding information and disclosures deemed relevant by the authors, if any, are provided at the end of the article.

An enucleation was performed and pathologic examination confirmed the diagnosis of a differentiated diffuse infiltrating retinoblastoma (figure 2). This entity is rare but must be suspected in case of a calcified retinal detachment in a young child.[1,2]

Author contributions

A. Lecler and C. Friang: study concept and design; acquisition, analysis, and interpretation of data. P. Freneaux and G. Caputo: acquisition of data.

Study funding

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Disclosure

The authors report no disclosures relevant to the manuscript. Go to Neurology.org/N for full disclosures.

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