

## E-Pearl of the Week

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### The monocular temporal crescent

Pop quiz: Can you get a monocular field cut from an occipital lesion?

Answer: You betcha!

A lesion in the anterior medial occipital lobe can cause a loss of the far temporal visual field (temporal crescent) of the contralateral eye without involvement of the ipsilateral eye. There is no representation of the far nasal segment of the visual field in the retina of the ipsilateral eye, presumably because of the presence of the nose where that field would otherwise be. This is an example of monocular vision loss in which the responsible lesion can be retrochiasmal. This phenomenon is rare (only 1 of 904 cases of hemianopia in one series), but illustrates an important neuroanatomic principle.

#### Reference

Zhang X, Kedar S, Lynn MJ, Newman NJ, Biousse V. Homonymous hemianopias: Clinical-anatomic correlations in 904 cases. *Neurology* 2006;66:906-910.