

The clinical dictum that pupil sparing in [oculomotor nerve palsy](#) predicts an extraaxial ischemic lesion while pupil involvement predicts an extraaxial compressive lesion has some important exceptions. Two case reports and a review of the literature disclose that pupil sparing occurs in a small proportion of intraaxial and compressive subarachnoid oculomotor nerve lesions and in a large proportion of compressive cavernous sinus oculomotor nerve lesions. Careful examination is also necessary to separate examples of apparent pupil sparing in cases of aberrant regeneration and in some instances of cavernous sinus compression ¹⁾.

¹⁾
Nadeau SE, Trobe JD. Pupil sparing in oculomotor palsy: a brief review. Ann Neurol. 1983 Feb;13(2):143-8. PubMed PMID: 6830173.

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