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A study of pupillary assessment in outpatient neurosurgical clinics.

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Abstract

This study compared the accuracy of three methods of assessing pupil diameter. Measurements from the ForSite pupillometer and visual assessments were compared with measurements obtained using a pupil gauge (the standard method). Two sets of measurements were obtained from 65 out-patients at four neurosurgical clinics. The correlation between the three methods showed significance; however, the pupil gauge measurements showed a more significant correlation with measurements from the pupillometer than with visual assessments. Pupil diameter measurements from the pupillometer were larger than those from either the pupil gauge or clinical observation. We conclude that the ForSite pupillometer is an easy-to-use and accurate measure of pupil diameter in a clinic setting. It may be more accurate than the pupil gauge.

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