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Electronystagmography versus videonystagmography.

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Abstract

Electronystagmography (ENG) and videonystagmography (VNG) are eye movement recording methods used for the evaluation of balance disorders.

AIM: To compare literature information on the similarities, differences, advantages e disadvantages between ENG and VNG.

MATERIALS AND METHODS: review of the scientific literature.

RESULTS: ENG and VNG are very helpful methods for evaluating balance disorders, due to their capacity to recognize signs of peripheral or central vestibular dysfunction and to pinpoint the side of the lesion. Major advantages of VNG are related to calibration, temporospatial resolution, and recording of horizontal, vertical and torsional eye movements.

CONCLUSION: VNG is a new technology that presents advantages in the evaluation of eye movements; however, despite its disadvantages, ENG is still considered a valuable test in the clinical setting.

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