



최 정 윤

서울대학교 의과대학 신경과학교실, 분당서울대학교병원 신경과

## Ocular motor findings in medullary lesions

**Jeong-Yoon Choi, MD, PhD**

Department of Neurology, Neurology, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Seongnam, Korea

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Medulla lies on the caudal part of brainstem is a harbor of various sensory information related to ocular motor control. The signals from vestibular, pursuit and visual fixation, saccades, somatosensory, and gaze-hold system are merged and integrated in the brainstem on the purpose to generate goal-direct ocular movements. Hence, pathological lesions in the medullary are known to cause various bizarre eye movements with diagnostic significance. In addition, those eye movements can enhance our understanding on the way our brain behaviors for construct and maintain the spatial orientation. In the first part of this video session, we will peer at the anatomical substrates engaged to ocular motor control. The goal and physiological significance of each neural substrates will be also reviewed. In the latter part, we will take a look at the typical ocular motor findings of medullary lesions. Lastly, to firm up our understanding, we will have the process of reasoning using ocular motor findings in patients with non-structural lesions.

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**Jeong-Yoon Choi, MD, PhD**

Department of Neurology, Seoul National University Bundang Hospital, Seoul National University College of Medicine, 82, Gumi-ro 173 Beon-gil, Bundang-gu, Seongnam 13620, Korea  
Tel: +82-31-787-7562  
E-mail: saideiju@gmail.com