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## Abstract

Jaw opening and closing movements in the rat were evoked by stimulation of the facial nucleus, trigeminal mesencephalic nucleus and medial parts of the caudato-putamen nucleus. The patterns of these movements were altered by various intensities and frequencies of stimuli.

When the stimulation of caudato-putamen nucleus was added, the EMG patterns of jaw movements recorded from masseteric and digastric muscles were driven or depressed, and the results were affected remarkably by the additional stimuli of frequency and voltage on the caudato-putamen nucleus. From these results, it was concluded that the medial parts of caudato-putamen nucleus plays an important role in central integration of jaw movement.