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Trunk, Head, and Step Characteristics During Normal and Narrow-Based Walking Under Deteriorated Sensory Conditions

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groups trunk roll increased under impaired somatosensation in the narrow-based

walking condition (by 43.62%) but not in normal walking condition. Older participants adopted a more cautious strategy characterized by lower walking speed when walking on a narrow base and exhibited deteriorated integrative ability of the CNS for head control. Accurate lower limb somatosensation may play a critical role in narrow-based walking.

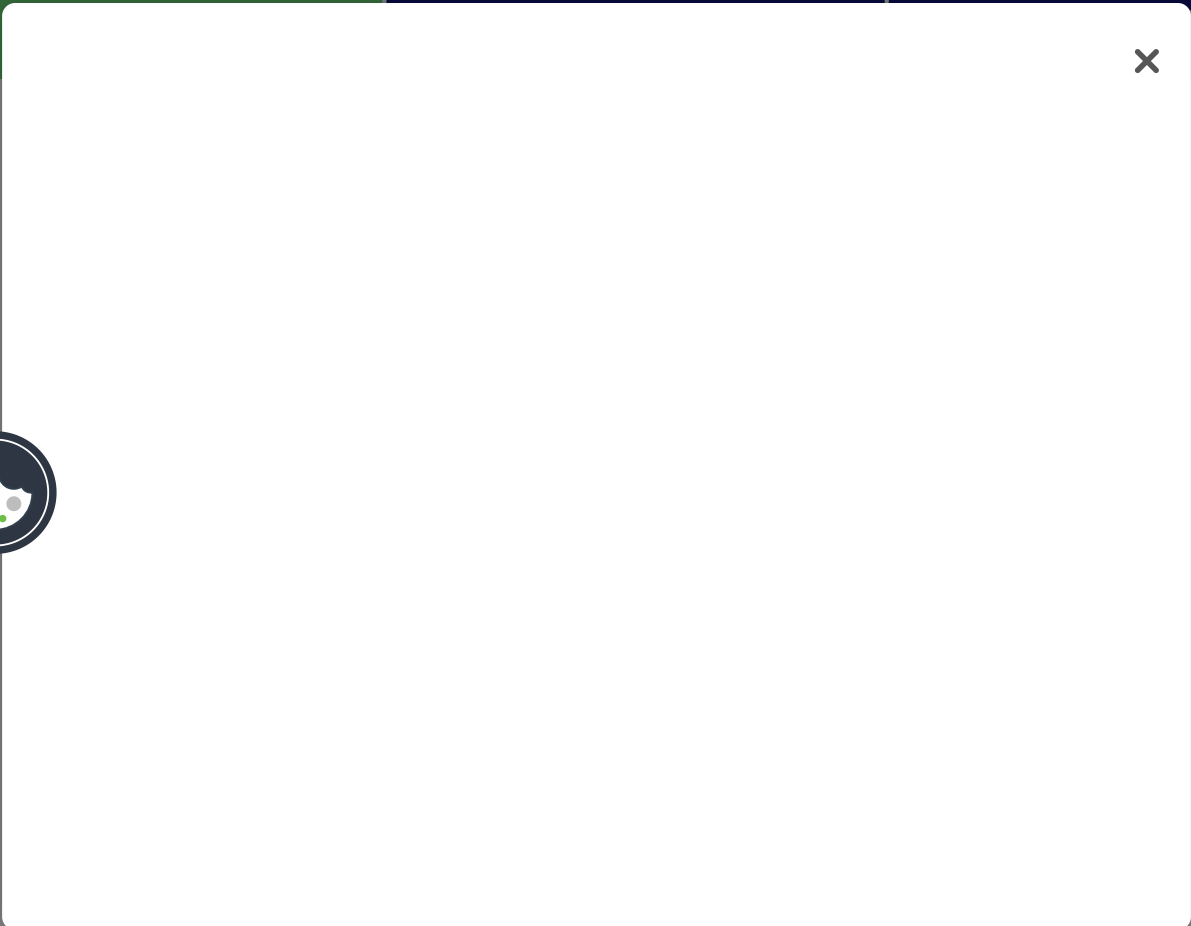
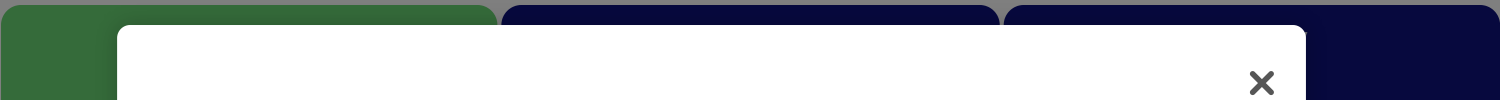
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[gait](#) [head control](#) [trunk control](#) [step characteristics](#) [sensory integration](#)

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