

Anterior tibial muscle

In neurosurgical practice, anterior tibial muscle paralysis is generally thought to be due to axonal degeneration of nerve fibers, derived from spinal segment [L5](#). However, modern electrophysiological studies to determine the segmental innervation of anterior tibial muscle showed considerable individual variations and segmental overlap ¹⁾.

¹⁾
Voermans NC, Koetsveld AC, Zwarts MJ: Segmental overlap: Foot drop in S1 radiculopathy. Acta Neurochir (Wien) 148: 809-813, 2006

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