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Golgi Tendon Organ

National Cancer Institute

Source

National Cancer Institute. *Golgi Tendon Organ*. NCI Thesaurus. Code C13826.

The Golgi Tendon Organ is located within the tendons found on each end of a muscle. It responds to increased muscle tension or contraction as exerted on the tendon, by inhibiting further muscle contraction, which protects against muscle damage. The proprioceptive sensory neuron of a Golgi tendon organ, projects to the motor neurons located within the ventral horn of the spinal cord, where the inhibition occurs. Unlike the muscle spindle, Golgi tendon organs do not indicate muscle length, but rather muscle tension.