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The Action of Succinylcholine and Curare on the Muscle Spindles.

By

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Succinylcholin-iodide is a quarternary ammoniumbase which has a transient blocking effect on the neuromuscular transmission. Working with isolated muscle afferents we have found it to be a powerful activator of muscle spindles. This activation is quite selective and leaves the Golgi-organs intact.

The excitation of the spindles is favoured by placing the muscle under some tension but can be obtained at zero tension by injecting larger doses. After a previous blocking of both large and small fibre (gamma) motor endplates by curare it is still possible to activate the spindles by succinylcholine.

The results will be published in full in this Journal (1953).
