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Intraneural Ganglia: A Complex Clinical Problem Begging for a Hydrodynamic Explanation

Intraneural ganglia are rare mucinous cysts which occur within the epineurium of nerves and typically give rise to neurologic findings. For 150 years, their pathogenesis has been poorly understood and controversial. Recent evidence has identified stereotypic features which can be supported by three fundamental principles: 1) they derive from a joint origin, 2) their dissection and propagation is along the articular branch into the parent nerve, following a path of least resistance; and 3) their dimensions are determined by pressure fluxes. Clinical data which will be supplemented by collaborative biomechanical work will be presented to illustrate these principles.