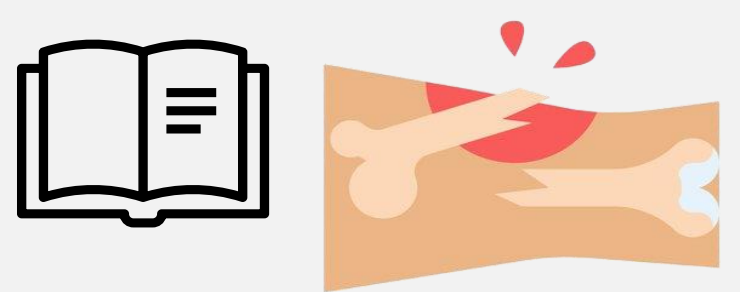


Mechanical Stimulation (MS) After Volumetric Muscle Loss (VML) Improves Functional Recovery in Swine

- 

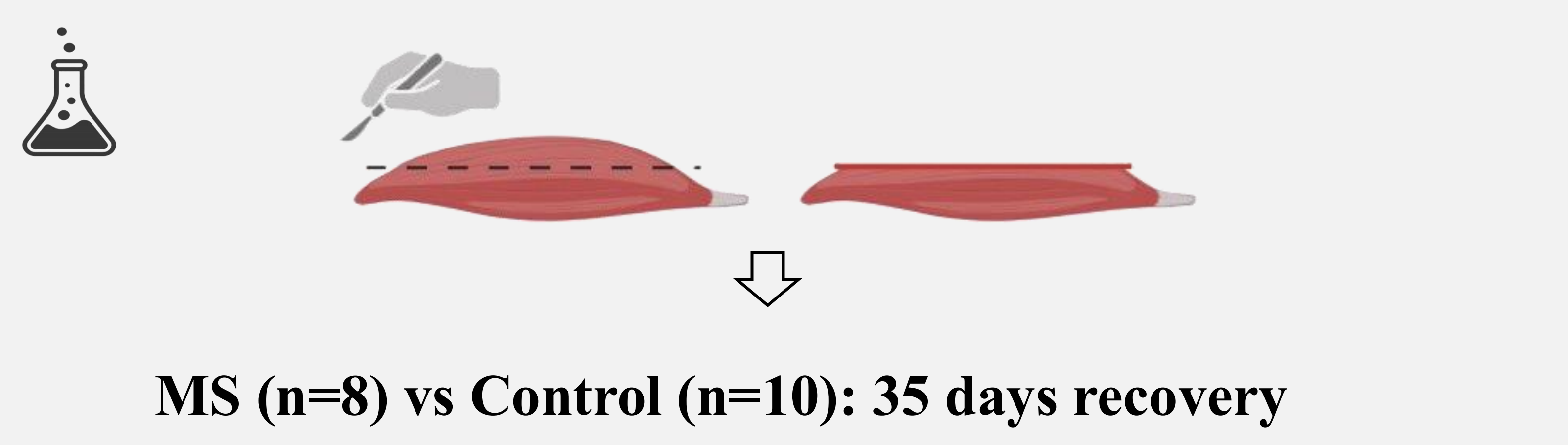
➤40,000+ annual VML injuries (US)
- 

➤Physical Therapy: 17-58% strength recovery
- 

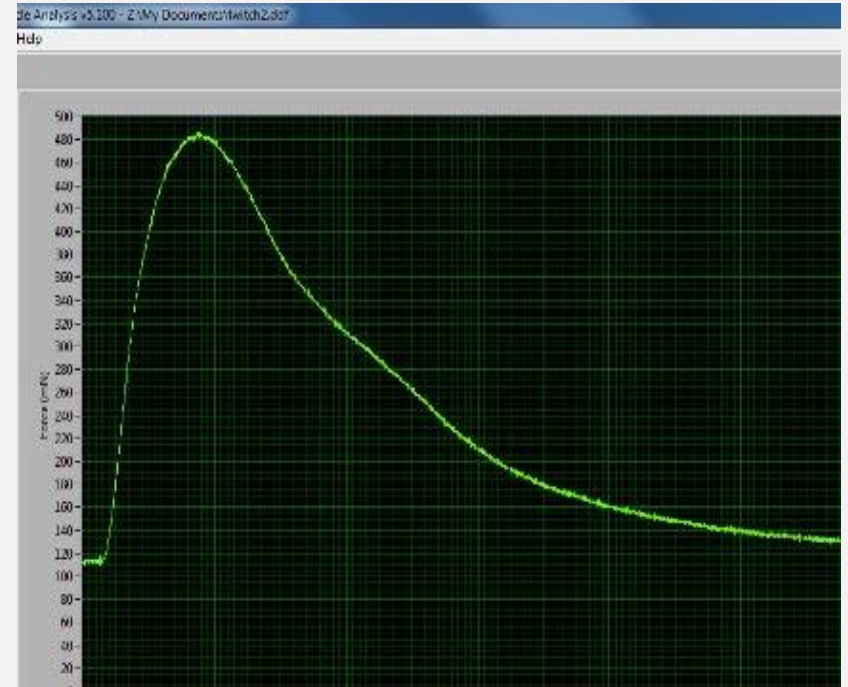
➤Rodent model MS: 55-92% strength recovery



Is MS effective in a large animal (swine) model of VML?

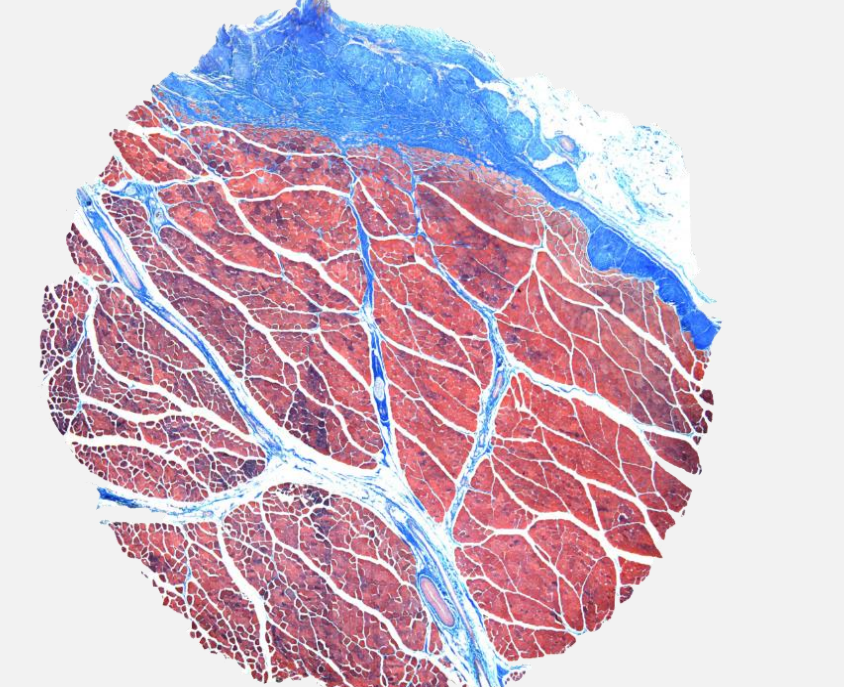


Functional Outcomes



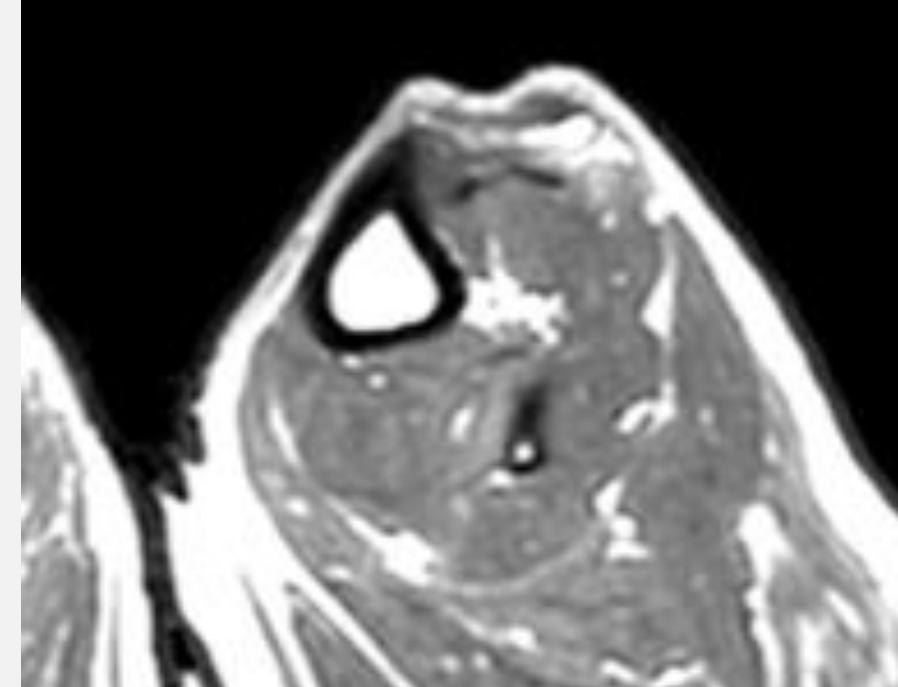
Strength, Endurance, Step Count

Histology Outcomes



Fibrosis (Masson's Trichrome)

MRI Outcomes



Inflammation (T2) Fat Fraction (Dixon)

