

## Traumatic Nerve Injuries Changes in Muscle

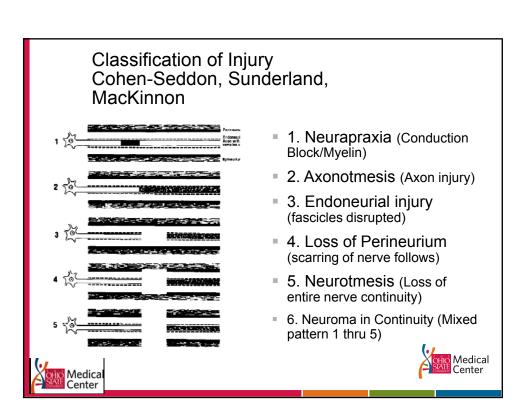
- Neuromuscular Transmission failure
- Reduced membrane resting potentials
- Increased sensitivity to Acetylcholine away from endplates

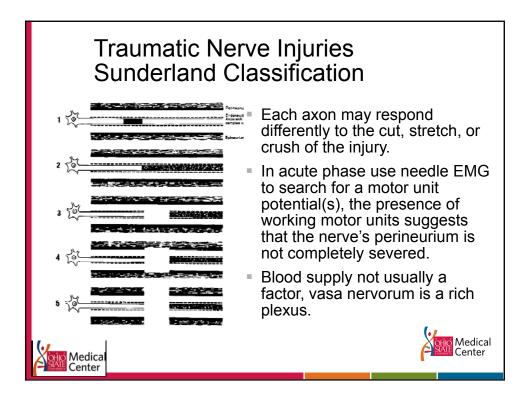
Medical Center

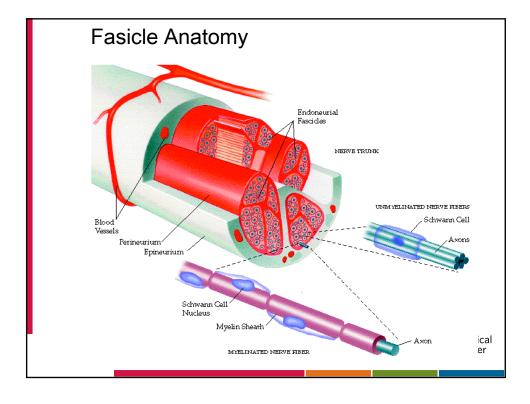
- Fibrillation potentials originate near endplate, later at other sites.
- Muscle cells atrophy

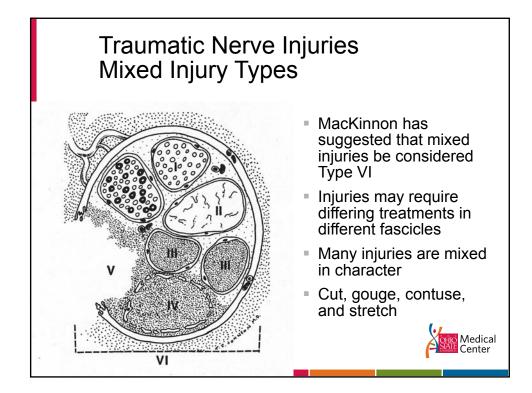
Medical

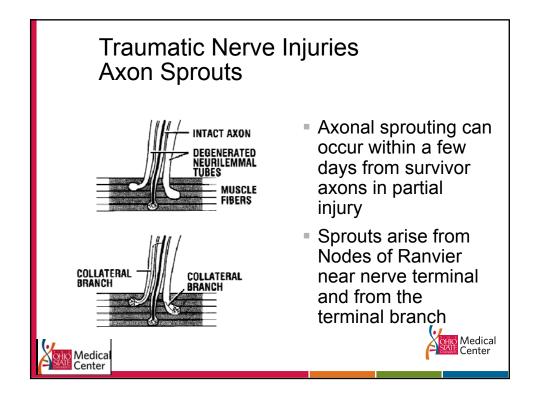
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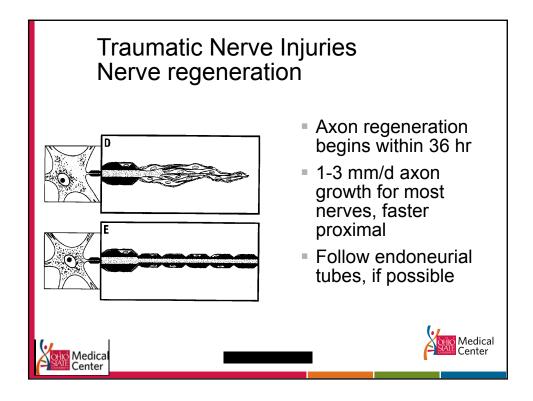


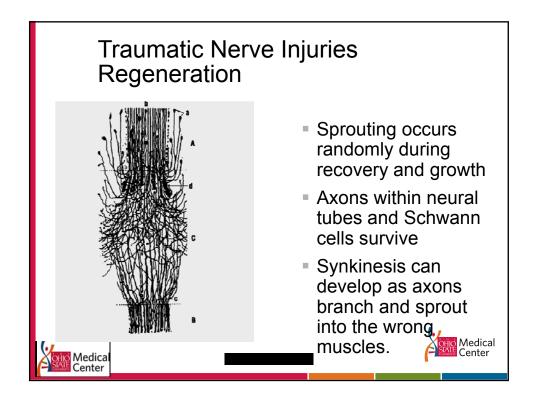


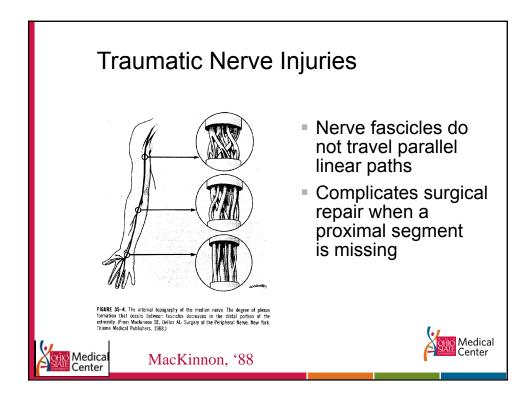


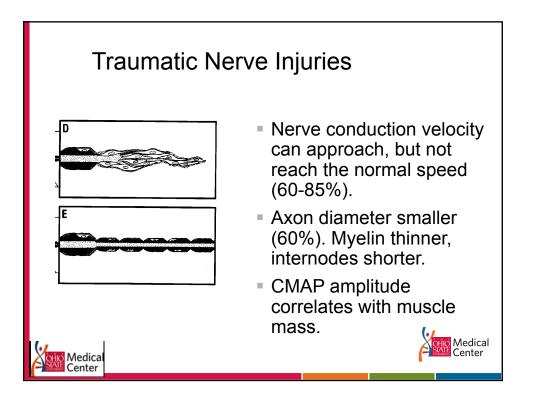


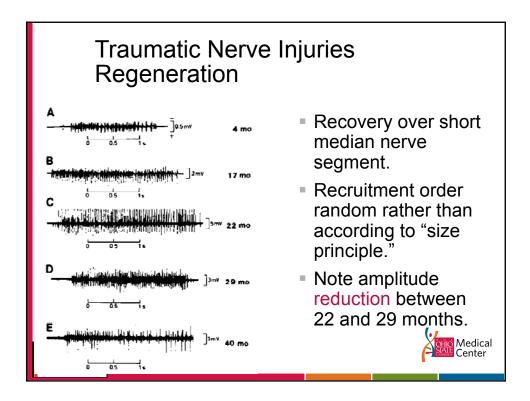


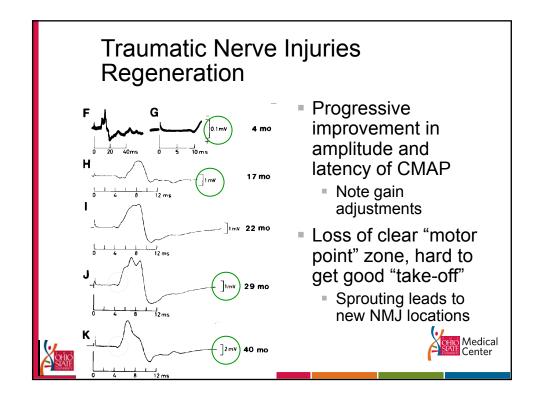


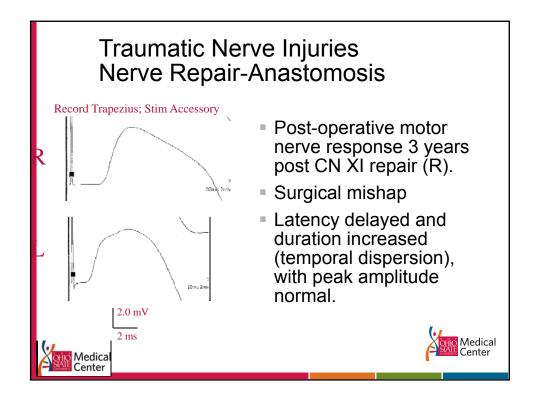


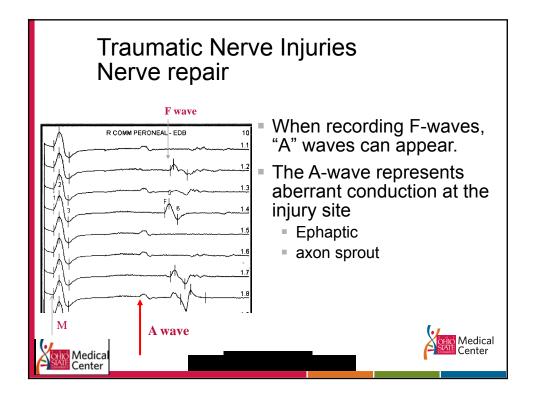


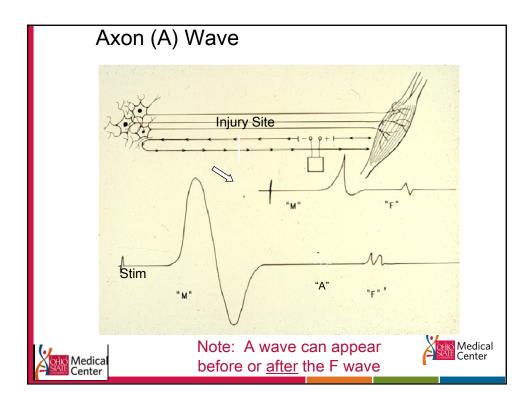


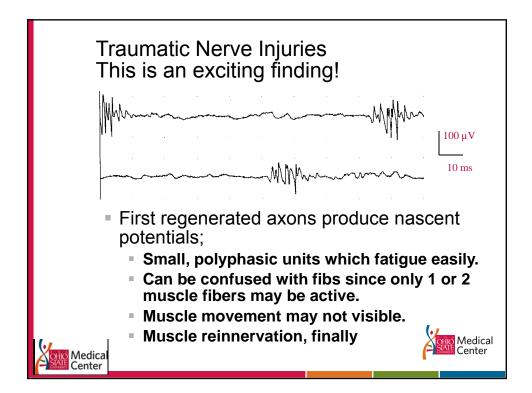


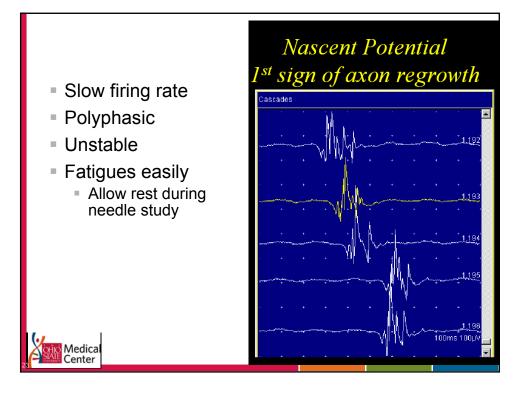


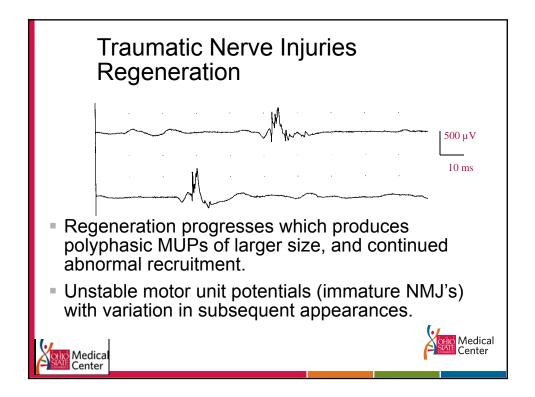


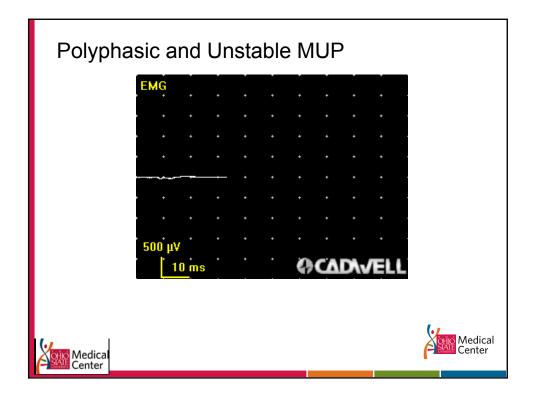


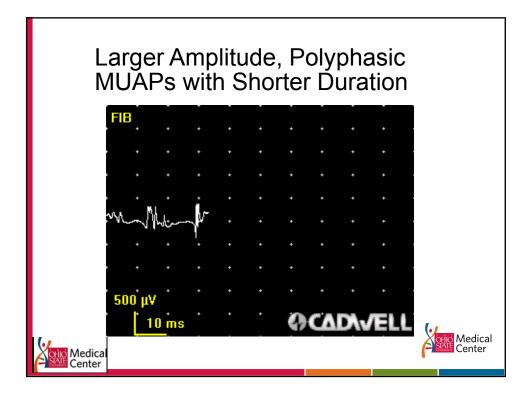


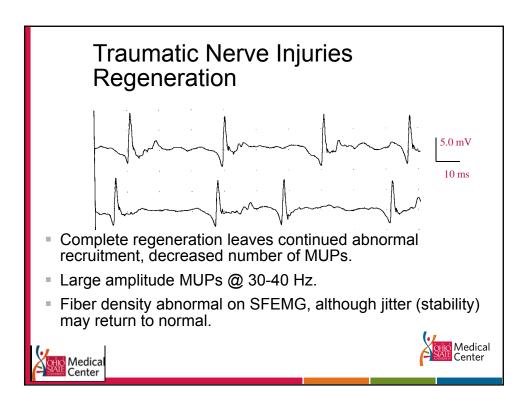


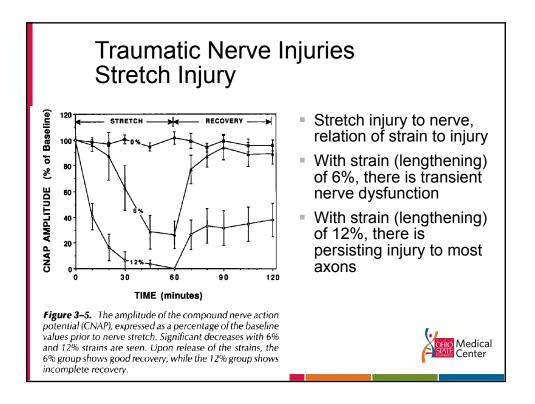


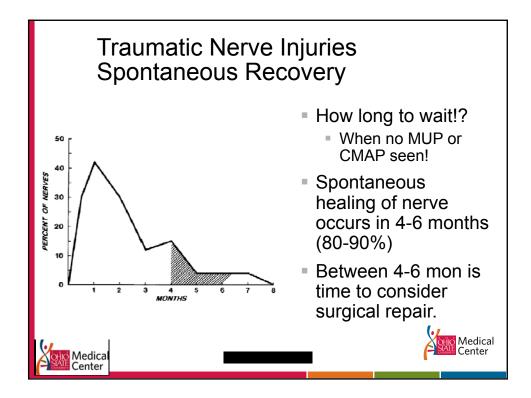


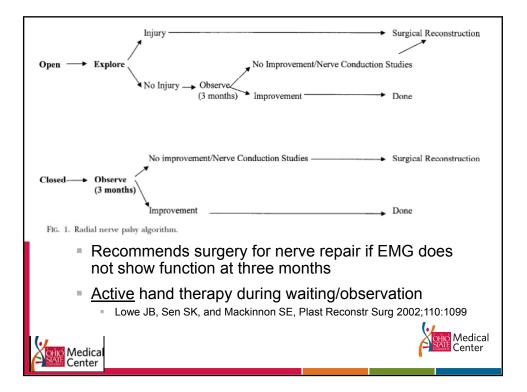


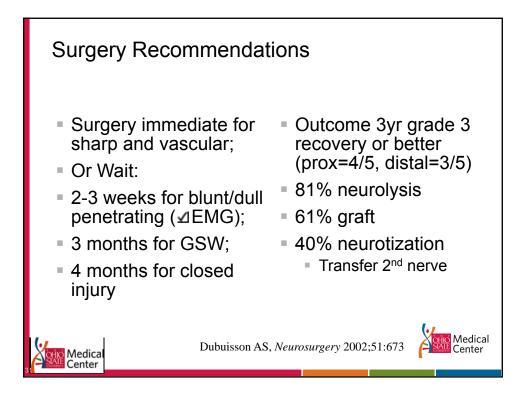


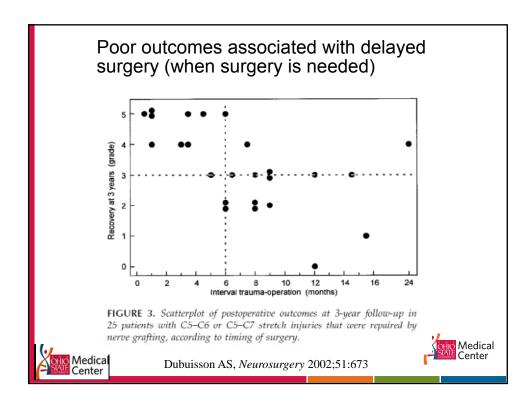


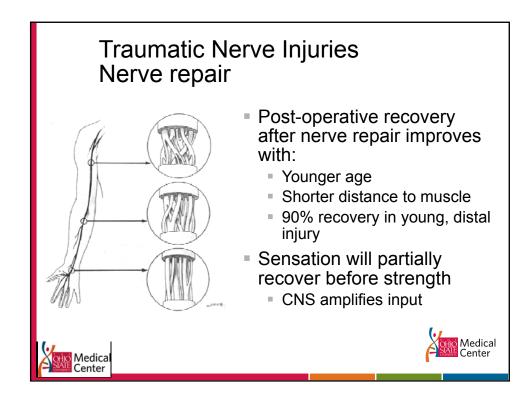


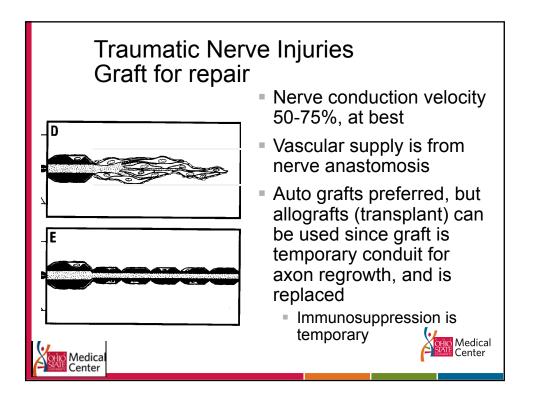


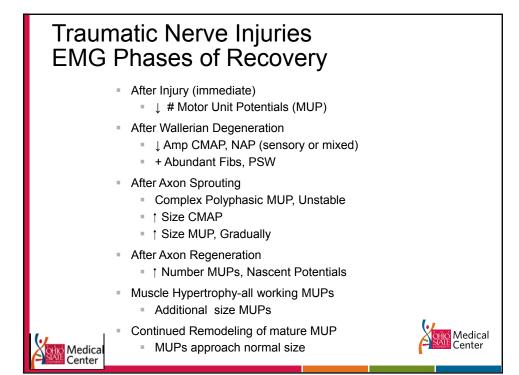


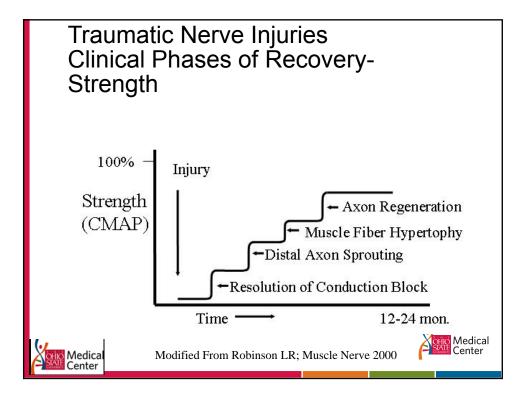


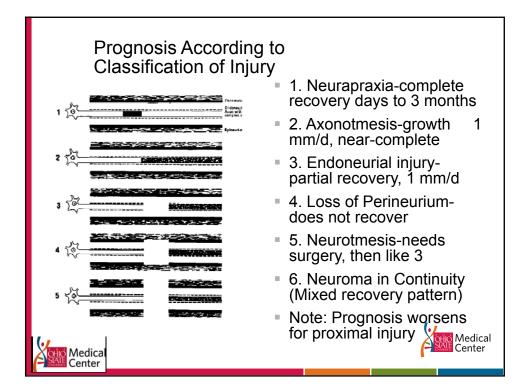


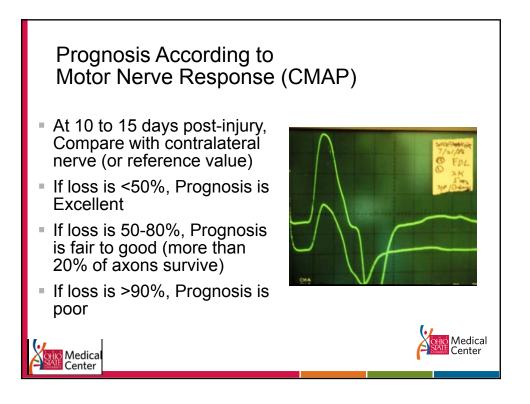


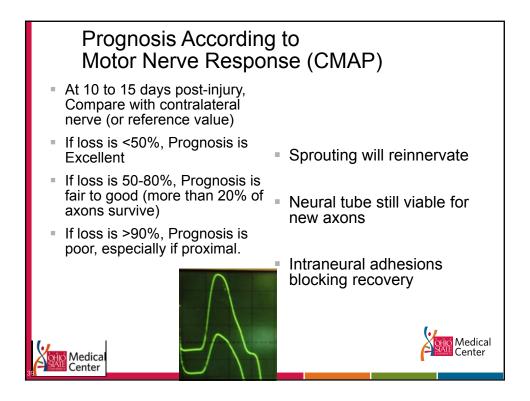


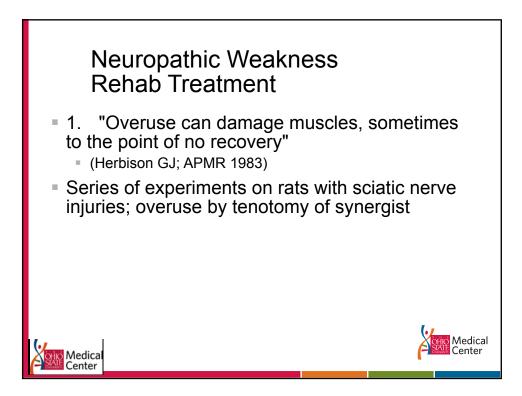


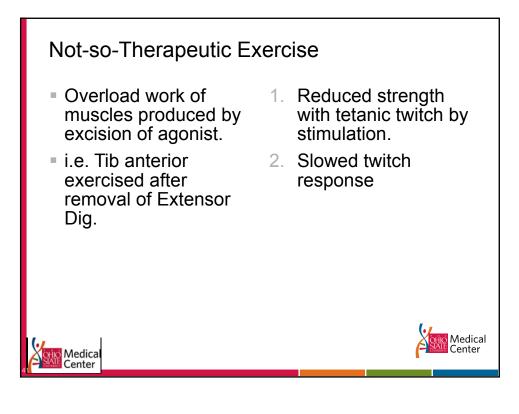


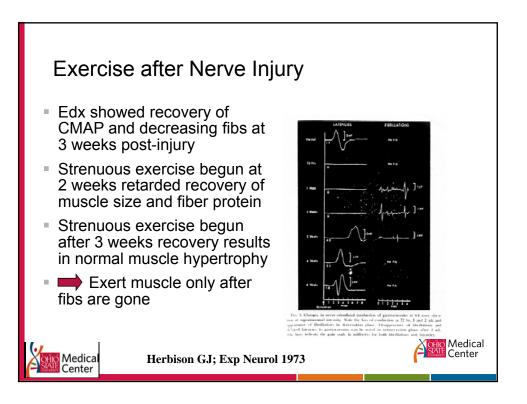












## Exercise in Rehab After Nerve Injury

1. Maintain motion/flexibility

## 2.Avoid strenuous progressive resistive exercises

- (no 10RM-DeLorme exercise)
- No exercise to fatigue
- Avoid eccentric exercise
- Adapt to reduce frequency of eccentric work in ADLs

## STRENGTHENING EXERCISE Sub-maximal

Maintenance of strength is usually achieved with a regular program of 20% MVC of muscle contraction

