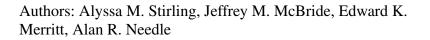
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## ACCEPTED MANUSCRIPT

Excitability and Stiffness after Immobilization 1

## NERVOUS SYSTEM EXCITABILITY AND JOINT STIFFNESS FOLLOWING SHORT-TERM DYNAMIC ANKLE IMMOBILIZATION

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#### HIGHLIGHTS

- Ambulation with ankle immobilization devices did not modify neural excitability.
- Dynamic immobilization leads to dissimilar neural adaptations as casting trials.
- Continued joint loading may negate sensory-induced neuroplasticity of M1.

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