Predicting discharge locomotor function for nonambulatory individuals following stroke who participate in focused stepping practice during inpatient rehabilitation

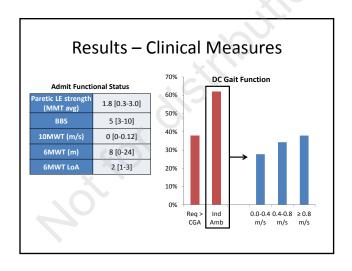
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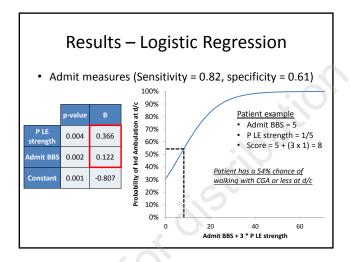
Study Purpose

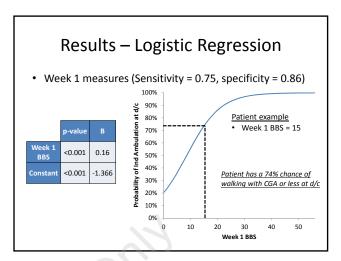
- Identify cutoff values in demographic and clinical measures to predict d/c locomotor function in nonambulatory individuals following stroke participating in high intensity stepping training during inpatient rehabilitation
- 2. Develop clinical prediction rules for independent ambulation at d/c

Methods

- High intensity stepping program implemented as standard of care
 - Target 70-85% HR_{max}, RPEs 15-17
 - Maximize stepping 4/5 sessions/wk
- BBS, 10MWT, & 6MWT on 5th session/wk
- <u>Primary dependent variable</u>: Walk w/ contact guard or better at d/c







Discussion and Conclusion

- Clinical prediction rule developed for stroke rehab with high intensity training
- Clinical, not demographic, measures independently discriminated > CGA at d/c
 - Admit BBS ≥ 5 is lower than previously reported
 - Week 1 measures were better predictors than admit measures
- · Clinical prediction rule of walking with CGA or better
 - Admit: P strength and BBS
 - Week 1: BBS alone
- Results may only be applicable with attempts at similar PT interventions