

# FUNCTIONAL MOBILITY INTERVENTIONS FOR A BARIATRIC PATIENT WITH NECROTIZING FASCIITIS: A CASE REPORT

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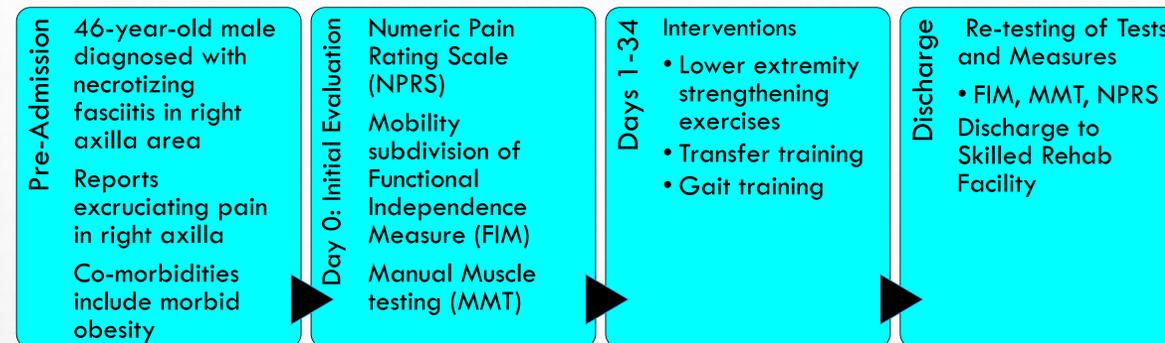
## Background

- Necrotizing Fasciitis is a life-threatening soft tissue infection that is characterized by a rapid spreading infection of the subcutaneous tissue.
- Symptoms include red or purple skin in the affected area, severe pain, fever, and vomiting.<sup>1</sup>
- Typically, the infection enters the body through a break in the skin such as a cut or burn.
- Surgical debridement is the mainstay of treatment for necrotizing fasciitis.<sup>2</sup>
- Intravenous antibiotics are started immediately upon diagnosis.

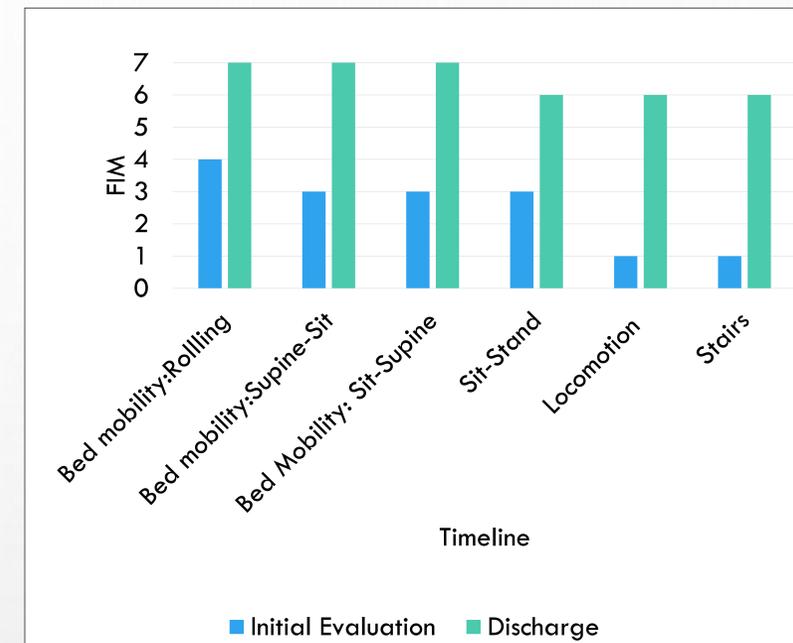
## Case Description

- The patient was a 46-year-old male with a past medical history of morbid obesity, pulmonary embolism, poorly controlled diabetes, hypertension, multiple incidences of suicidal ideation, and homelessness.
- Upon admission to the hospital, the patient was diagnosed with necrotizing fasciitis of the axillary region, insulin dependent diabetes, morbid obesity (BMI over 70).
- At the initial visit, the patient's primary problem was pain in right axilla and cellulitis which limited his functional mobility.

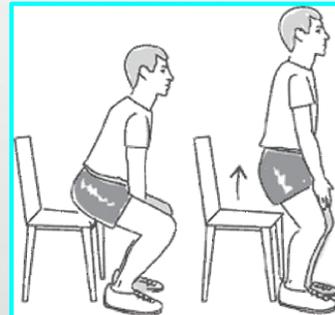
## Timeline/Interventions



## Outcomes



Sit <-> Stand



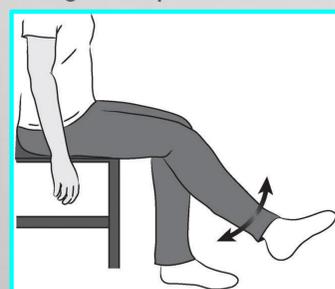
Gait training with walker



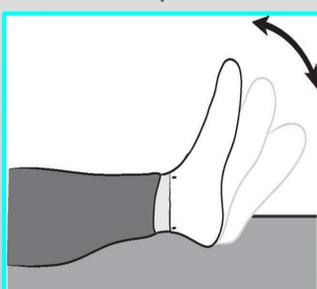
Stair Training with Cane



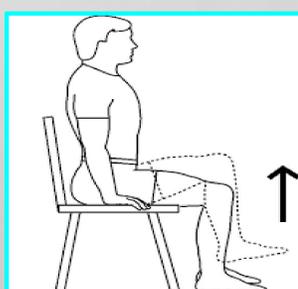
Long arc-quad



Ankle Pump



Seated Marches



## Discussion/Conclusion

- Overall, the outcomes presented in this case suggest that the designed POC, featuring LE strengthening exercises, transfer training, and gait training suggest that the POC was beneficial to the patient
- The POC helped improve the patient's functional mobility and allowed the patient to be discharged to his desired skilled rehab facility despite the severity of his necrotizing fasciitis and morbid obesity

## References

- Paz MS; Dualde B D; Lemercier, Leiva-Salinas C (May 2014). "Necrotizing fasciitis: an urgent diagnosis". Skeletal Radiology. 43 (5): 577-89. doi:10.1007/s00256-013-1813-
- Vaughn AM. Physical Therapy Intervention in Acute Care for an Adolescent with Extensive Muscle Destruction following Necrotizing Fasciitis: A Case Report. Physical Therapy Intervention in Acute Care for an Adolescent with Extensive Muscle Destruction Following Necrotizing Fasciitis: A Case Report, [s. l.], p. 1, 2017. Disponible em: <http://search.ebscohost.com.une.idm.oclc.org/login.aspx?direct=true&db=ccm&AN=130385183&site=ehost-live&scope=site>.

## Acknowledgements

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## Systems Review

Cardiovascular /Pulmonary	Patient reports LE edema, denies chest pain, Regular rate and rhythm (RRR), no murmurs or gallops, patient reports shortness of breath, wheezing, cough, clear sputum, denies hemoptysis
Musculoskeletal	UE strength/ROM: Grossly impaired LE strength/ROM: Grossly impaired
Neuromuscular	Speech intact, grip strength equal, patient reports right foot tingling status post blood sugar > 400
Integumentary	Demarcated, necrotizing area of erythema of right shoulder extending to chest with blisters that are draining purulent liquid,
Communication/Co gnition	Alert and oriented to person/place/time/situation/general information, speech intact
Affect	Alert, appropriate mood and affect