

LOW COMPLETION RATE OF PATIENT REPORTED OUTCOME MEASURES IN BURN CLINIC:  
AN OPPORTUNITY FOR IMPROVEMENT. R Imran, (MD., SOM), LD Leonard, PS Duffy,  
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Burn injuries are morbid and have lasting effects. Past studies have demonstrated that laser therapy can decrease scar thickness, and improve pigmentation, pliability, texture, heat sensitivity and contractures. Various validated outcome measures are used to assess subjective and objective burn patient outcomes after laser therapy. We aimed to assess the rate of completion of three measures for patients evaluated at the UCHHealth Burn and Frostbite Center. A retrospective chart review was performed of patients who underwent at least one laser treatment from May 2019-June 2021 to assess the rate of completion of the Patient Observer Subjective Assessment Scale (POSAS), The 5D Pruritus Scale, and The Nerve Pain Scale. Records were considered adequate if all three measures were completed for the baseline assessment and for the first treatment. 45 patients were identified as having undergone 205 laser therapy sessions. 24 (53%) patients were classified as adequate. All measures were absent for 54 (26.3%) sessions. Only 7 (16%) patients had all three measures completed for all sessions. 8 (18%) patients missing the provider evaluated POSAS were consequently classified as inadequate (Figure 1.). These three measures allow clinicians to longitudinally track burn scar outcomes and identify improvements after laser therapy. Our results demonstrate low provider completion rates result in considerable inadequate data. This represents an opportunity to re-evaluate the current process of collecting these measures at our institution. Future work will focus on identifying barriers to completion and utilizing a user-centered design approach to redesign the process for obtaining these important measures.