E-Poster

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Longitudinal Analysis of Patient Outcomes in an Acute Multi-Disciplinary Rehabilitation Center: Trends from 2020 to 2024

Topic: Research

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BACKGROUND

In the South African healthcare setting, where data on spinal cord injury (SCI) rehabilitation is limited, comprehensive data collection is essential to understand patient needs.

The initial study (2017–2020) provided critical data on demographics, length of stay (LOS), and functional outcomes in a private acute multi-disciplinary rehabilitation center. This continuation study extends the dataset to include 2020-2024, allowing for further insights into patient trends, rehabilitation outcomes, and the evolving impact of healthcare policies.

METHODS

This study presents a comprehensive dataset incorporating demographic factors (age, gender), diagnostic group classifications, functional outcomes, comorbidities and LOS. These data elements, contributed by multiple therapists, enable robust analysis of rehabilitation trends and inter-center comparisons.

RESULTS

Results emphasize that rehabilitation outcomes vary based on patient factors such as diagnosis (e.g., Traumatic *vs.* Non-Traumatic), pre-incident residence, and comorbidities. Functional independence measures, including the Spinal Cord Independence Measure (SCIM) and Functional Independence Measure (FIM), are critical for tracking recovery trajectories. Furthermore, discrepancies between actual and recommended LOS often reflect external influences such as funding models.

CONCLUSION

By integrating data from multiple rehabilitation disciplines, this dataset provides a holistic view of patient recovery and supports inter-institutional comparisons. The continuation of this study allows for an updated analysis of patient trends and the impact of healthcare policies on rehabilitation services.

Statement of Disclosures

None

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