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Functional Recovery and Re-Employment Patterns among Trauma Patients Post Discharge

from a Level I Malaysia Trauma Center in the Early Post Pandemic Period

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BACKGROUND

- Unlike most developed countries, most trauma in Malaysia involved young employed adults directly impacting the economy
- Resurgence of trauma cases is observed ٠ in the post-pandemic period with the restoration of workforce.
- Existing trauma protocol emphasises on survival but data paucity exist on the functional recovery and re-employment among trauma patients post discharge.

RESEARCH Q & OBJECTIVE

- What is the functional recovery outcome, re-employment status and quality of life (QoL) e among patients who were discharged home?
- Aim: This study aims to evaluate functional recovery and re-employment patterns among discharged trauma patients

RESULTS

From Jan –July 2022,

515 out of 600 subjects (90.5%) survived and were discharged home.

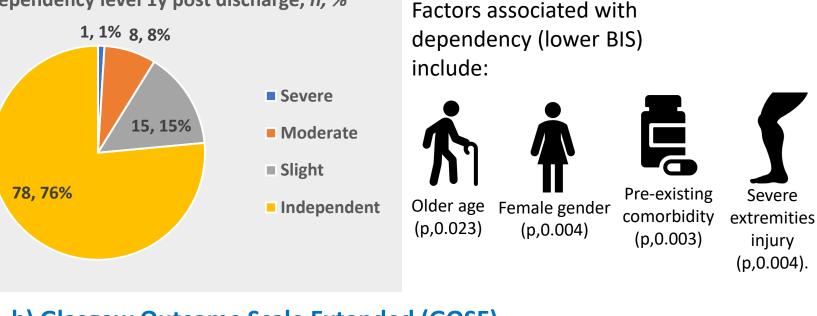
- Majority (90.5%) were working age (<65 years old)
- 1 in 2 had major trauma (ISS>15)

102 subjects were randomly selected

& followed up for 1 year duration post discharge

a) Functional recovery & ability to complete ADL (Barthel Index)

Dependency level 1y post discharge, n, %



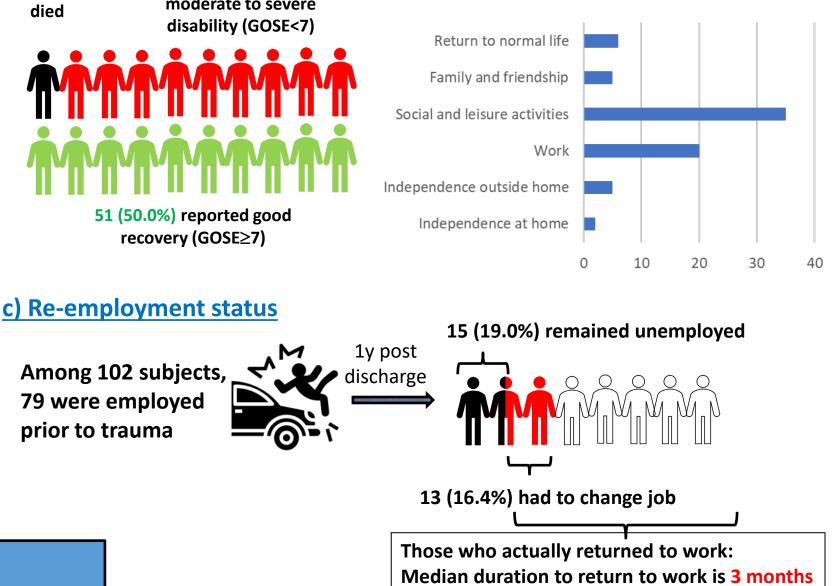
b) Glasgow Outcome Scale Extended (GOSE)

- 5 (4.9%)
- 46 (45.1%) reported

No. of Subjects and Domains of $GOSE \leq 7$

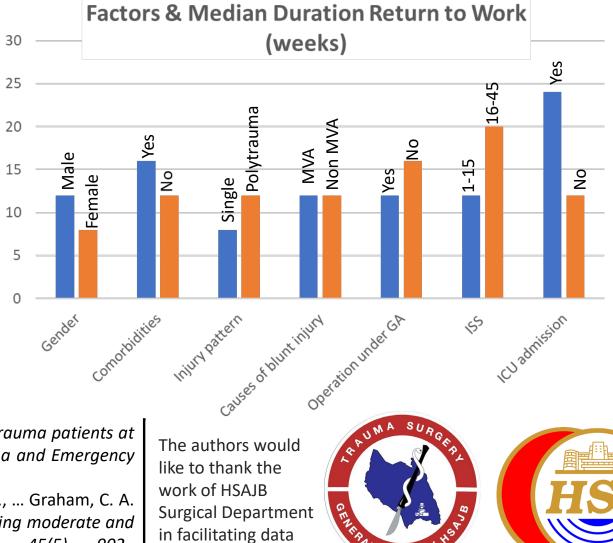
METHODS

- Single-center retrospective observational study in a Level 1 Trauma Center in Southern Malaysia Peninsula
- Patients admitted under Trauma Surgery ٠ Unit from Jan 2022 till Jul 2022 (seven months' period)
- Random sampling was used. Patients • were contacted 1year post-discharge with a series of questionnaire to identify their functional recovery using Glasgow Outcome Scale-Extended (GOSE) and Barthel Index score (BIS), as well their QoL and re-employment rate.



CONCLUSION

- Most patients discharged had favorable outcomes post trauma
- There is however, a significant proportion of subjects suffering from poor recovery and moderate to severe disability
- The prolonged recovery before re-employment ٠ highlights the need for identification of subjects who may benefit from rehabilitation beyond mere survival.
- This data will inform practice and assist in the future development of post-trauma rehabilitation programs.



collection

References

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