MODULE 3-P1: The longitudinal outcome of quality of life for the individual with stroke: A sequential exploratory approach

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Background

- The impact of stroke significantly alters a person's Qualityof-Life (QoL) [1,2].
- Stroke survivors continue to report poor functional, cognitive, and QoL long after stroke [3,4].
- Evidence revealed a dynamic interaction between bodily changes, participation, environment, and personal factors that characterizes post-stroke recovery [5].

• Aims:

- To explore the longitudinal outcome of QoL post stroke in Singapore
- To develop a QoL assessment tool that can capture changes that are meaningful to the Singapore population.

Method: sample & analysis

Recruitment:

Stroke survivors will be recruited from the Rehabilitatic Centre and Centre for Advanced Rehabilitation Therapeutic (CART), Tan Tock Seng Hospital (TTSH). Inclusion criter include: (1) first-time stroke survivor, (2) aged 21 years o and above, and (3) have the capacity to communicate.

Data collection:

Data collection materials will include (1) semi-structured interviews at 6-, 12- and 24 months, and (2) health-related QOL scales (HRQOL), namely EQ-5D and SSQOL.

Data analysis:

Transcripts generated from the qualitative interviews will undergo thematic analysis. Factor analysis, regression models and other statistical tools will be used to validate and refine the scale.





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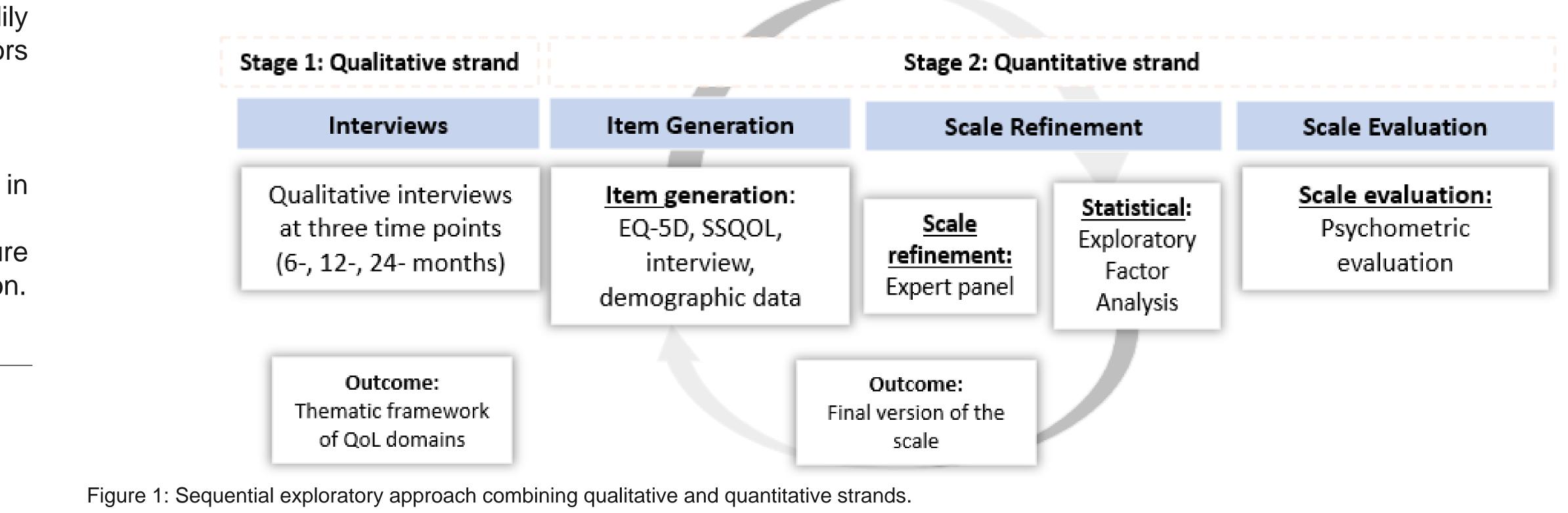




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Method: study design & expected outcome 3

Using a mixed method, sequential exploratory approach (see Figure 1), this study seeks to develop a stroke-specific QoL assessment tool. In the qualitative phase, data from semi-structured interviews will be synthesized to form a theoreticallyinformed QoL framework.. In the quantitative strand, an item generation phase will produce an item bank pool. Following this, a a scale will be refined in an iterative manner. Finally, the QoL tool will be validated in a new sample of stroke survivors.



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Current status & timeline

2022 (key milestones)

Stage 1:

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- Preparation and finalization of the protocol. This literature review and clinical discussions methodology and selection of assessment tools.
- DSRB approved.

Stage 2:

- Evidence synthesis on item generation and consultat relevant clinical experts.
- Data analysis on pilot work.
- 2023 (next milestones)
- Data collection, concurrent qualitative and quantitat analysis on data collected.
- Steps surrounding scale refinement.

References:

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