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## Health-related quality of life after primary percutaneous coronary intervention for ST-Elevation myocardial infarction: An age comparison study

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Health-related quality of life (HRQOL) is an important measure of cardiovascular health status for patients with ST-Elevation myocardial infarction (STEMI) after primary percutaneous coronary intervention (PPCI). With an aging global population, it is important to determine what predicts physical and mental HRQOL outcomes during recovery following PPCI. A sample of 246 consecutive STEMI patients completed both the SF-12 and the Seattle Angina Questionnaires (SAQ) at 4 weeks and 6 months after the index PPCI. Using a comparative, descriptive and repeated measures design, baseline demographics and HRQOL were compared by age  $\geq 70$  years or more and  $< 70$  years during PPCI recovery in order to determine the impact of age and the predictors of HRQOL outcomes. All aspects of HRQOL improved across age groups and over time, except for angina frequency and mental health. Older people aged  $\geq 70$  years had worse physical HRQOL (SF-12 and SAQ) but higher angina frequency and QOL (SAQ) scores including better mental health during recovery. Angina stability was the only HRQOL domain that showed a large interaction effect (0.316) between age and time ( $F=0.15$ ,  $df=1$ ,  $p=0.02$ ). Age, length of hospital stay, gender, partnership status and number of stents deployed were independent predictors of HRQOL after PPCI for STEMI cohorts. Apart from the mortality and morbidity benefits of rapid PPCI, HRQOL assessment for STEMI patients during recovery is less investigated, particularly for older patients aged 70 years or more.

### Biography

Soo Hoo Soon is a final stage PhD student at the Faculty of Health, University of Technology Sydney. She is currently working in the Department of Cardiology, Royal North Shore Hospital, Sydney, as a clinical research nurse and co-investigator for studies in cardiovascular health and interventional cardiology. She has recently published in international journals and the results from her research on Health-related quality of life in patients with ST-elevation myocardial Infarction (STEMI), on cardiac rehabilitation and rapid Field Triage of STEMI patients.

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