

**Psychological Profile in Total Knee Replacement Post Operatively and Its Relationship  
with Health-Related Quality of Life in Jordan.**

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**Abstract**

This study aims to investigate the psychological profile of patients undergoing total knee replacement surgery post-operatively and its correlation with their health-related quality of life in Jordan. The study utilized quantitative methods to gather data on the psychological aspects and health related quality of life in total knee replacement patients in Jordan. The results of this study including, 140 participants from two governmental hospitals in Amman, found that participants rated moderately for depression, anxiety, and mild for stress level after TKR. Moreover, the results for HRQoL showed that patients perceived poor after the TKR surgery. This study noted that there were statistically significant negative correlations between psychological distress and HRQoL. As such, it was noted that higher levels of psychological distress were associated with lower quality of life among these participants. Additionally, the study found that psychological profile was influenced only by participants' marital status, while the other factors did not contribute any effect. However, when it comes to HRQoL, it was noted that educational level, BMI, and co-morbidities had a statistically significant effect. The findings from this study highlight the importance of putting more weigh to the psychological wellbeing during post-surgical care. Incorporating a

routine psychological screening and developing hospital-based intervention programs for patients with identified risk factors (e.g., higher BMI, lower education) that could help raise the quality of life and the overall wellbeing among these patients.

**Keywords:** Health-Related Quality of Life, Post- Operative, Psychological Profile, Total Knee Replacement.