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A longitudinal study of psychological adjustment trajectories for prostate cancer patients with radical prostatectomy

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For prostate cancer patients with radical prostatectomy, 1 year after surgery is the main recovery period for their physiological complications and psychological problems and maladaptation will seriously affect the quality of life during their survival period. Using longitudinal study design, this study was aimed to identify distinct trajectories of psychological adjustment of prostate cancer patients after radical prostatectomy. Using the Chinese version of MAX-PC scale as measurement, the psychological adjustment level of patients were assessed after diagnosis (T0), at about 1 month after surgery (T1), 3 month (T2), 6 month (T3) and 12 month after surgery (T4), respectively. Growth mixture models (GMM) were used to identify trajectory classes of psychological adjustment among different patients. The results showed that the MAX-PC scores were highest at T0, while the scores had significant reduced from T1 to T4 after surgery. Repeated-measures ANOVA showed that there was statistically significant difference in the mean MAX-PC scores over time. By GMM analysis, the results suggested that the four-class model fitted best as for the lower BIC of 5317.19, the higher entropy value of 0.84 and the statistically significant result both for BLRT test and VLMR test. Overall, four distinct classes of trajectories patterns were identified for psychological adjustment in prostate cancer patients with radical prostatectomy, which were named as good adaptation class, positive adjustment class, negative adjustment class and poor adjustment class. Although most of patients would achieve a good psychological adjustment outcome, some patients still couldn't adjust well, being with a poor psychological adjustment outcome.

Biography

Huang Qingmei has completed her PhD at the age of 28 years from School of Medicine, Zhejiang University and is undergoing postdoctoral studies at School of Nursing, Fudan University. She serves as the academic secretary of PROMIS National Centre of China. Her research focuses on the field of caring of cancer patients, patient-reported outcome and nursing informatics. She is now in charge of two national level projects and has published more than 7 papers in reputed journals as first author.

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