HRQoL at baseline was significantly associated with lower risk of complications and early OPAT termination, as well as greater likelihood of return to work while on OPAT” Wee et al (2019).

Abstract:

While health-related quality of life (HRQoL) is an important component of patient-centred care, few studies have looked at the association between HRQoL and outcomes while on OPAT. From 2014 to 2017, we conducted a prospective cohort study of all patients referred to Singapore General Hospital’s (SGH) OPAT service. At baseline, we collected sociodemographic, clinical, and treatment-related factors for OPAT recipients. We also measured baseline HRQoL using the EuroQoL EQ5D-3 L. We evaluated the association between HRQoL and the following outcomes: complications experienced while on OPAT, early termination requiring readmission during planned course of OPAT, all-cause readmission 30 days after completion of OPAT, and return to work while on OPAT. We used chi-squared test for univariate analysis and cox regression for multivariate analysis. From 2014 to 2017, 1213 patients received OPAT at our centre. Of those, 13.2% (160/1213) developed complications. About 10% (132/1213) of patients were readmitted while on OPAT and OPAT was terminated early. Amongst patients who completed OPAT (N = 1081), about 3.6% (39/1081) were readmitted within 30 days after OPAT completion. About half (50.8%, 278/547) returned to work while on OPAT. On multivariate analysis, patients with perfect health-related quality of life (HRQoL) (adjusted relative risk, aRR = 0.62, 95%CI = 0.45-0.85) were less likely to experience complications, had lower risk of OPAT termination (aRR = 0.57, 95%0.38-0.86),...
and were more likely to return to work while on OPAT (aRR = 1.94, 95%CI = 1.30-2.89). HRQoL at baseline was significantly associated with lower risk of complications and early OPAT termination, as well as greater likelihood of return to work while on OPAT.

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