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Relationships between daily activity, mood and quality of life in colorectal cancer patient with chemotherapy induced neuropathic pain

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Chemotherapy induced neuropathic pain (CINP) is a very common side effect associated with oxaliplatin based chemotherapy. CINP in limbs may induced restriction of daily activities (RAD). However, relationship between RAD related to CINP, negative mood, and quality of life (QoL) remind unclear. The aim of this study is to investigate the relationships between RAD related to oxaliplatin induced neuropathic pain, mood and QoL in patients with colorectal cancer. 76 patients with adenocarcinoma in colon or rectum were enrolled. This is a cross-sectional study of 3 instruments: Screening of activity limitation and safety awareness scale (SALSA), Profile of Mood States short form (POMS SF), and Functional Assessment Cancer Therapy-Colorectal instruments version 4 (FACT-C version 4). The results reveal mild severity of RDA in major of patients. Significant correlations were found among the RAD, mood and QoL ($p < .01-.001$). RAD and mood are the two major predictors of QoL ($p < .01-.001$). Under mediation model analysis, mood mediated 64.43% variance of RAD on QoL. The results prove negative mood mediated effects of RAD on QoL. RAD related to CINP with negative mood should NOT be neglected. The identification and management of negative mood may relieve the impact of the RAD as well as promote QoL in patients with colorectal cancer.

Biography

Ling-Chun, Lu is a PhD candidate in National Taipei University of Nursing and Health Science. She has completed her Master degree in 2012 from National Taipei University of Nursing and Health Science. She is also the nursing practitioner of Koo-Foundation Sun Yat-Sen Cancer Center for 17 years and the nursing teacher of ST. Mary's Junior College of Medicine, Nursing and Management for 2 years. She teaches curriculums of Pain Management and Nursing Ethics. This is the first oral presentation at international conference to her. Sincerely, welcome all valuable options to encourage the novice.

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