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## The reliability and validity of screening of activity limitation and safety awareness (SALSA) scale Chinese version in colorectal cancer patients with chemotherapy-induced neuropathy

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Colorectal cancer is the third common cancer worldwide. Neurotoxic chemotherapy is an effective treatment for these patients. Restriction of daily activity is a common consequence of neurotoxic chemotherapy induced neuropathy. For monitoring the influence and treatment effect, the aim of the study is to test reliability and validity of the screening of activity limitation and safety awareness (SALSA) scale Chinese version in colorectal cancer patients with chemotherapy-induced peripheral neuropathy. This is a cross-sectional study. English version of the scale is translated in Chinese version by direct translation and blind back translation with translator's consensus. Five oncological experts were invited to test content validity. Criteria validity was validated by the correlation between SALSA scale and profile of mood states (POMS) Chinese version. Pre-test was executed on 15 of target populations. 80 patients were enrolled from a Cancer Center in Taiwan. The data were collection by the oncology nurse practitioners. The obtained reliability was acceptable (Cronbach's alpha  $\alpha$  was 0.70 and internal consistency were 0.375-0.853); content validity was good (I-CVIs were 0.8-1.0; S-CVI/AVE was 0.89) as well as criterion-related validity (correlation coefficients were 0.166-0.399). Hence, it can be concluded that SALSA scale is an acceptable instrument to evaluate restriction of daily activity related to oxaliplatin-induced neuropathy. Further inter-class validity test is suggested in the future by physicians and other healthcare specialists.

### Biography

Ling-Chun Lu is a PhD candidate in National Taipei University of Nursing and Health Science. She has completed her Master's degree in 2012 from National Taipei University of Nursing and Health Science. She is also a Nursing Practitioner at the Koo-Foundation Sun Yat-Sen Cancer Center. She was a Nursing Teacher at the National Taipei University of Nursing and Health Science and Mary's Junior College of Medicine, Nursing and Management for 2 years. She teaches curriculums of pain management and nursing ethics.

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