

## Validity and Reliability of the Multidimensional Scale of Perceived Social Support (MSPSS) in Cancer Patients

EB Weeratunga<sup>1#</sup>, C Senadheera<sup>2</sup>, M Hettiarchichi<sup>3</sup>, U Ekanayaka<sup>4</sup>, and B Perera<sup>5</sup>

<sup>1</sup>Lecturer, Department of Nursing, Faculty of Allied Health Sciences, University of Ruhuna, Sri Lanka

<sup>2</sup>Senior Lecturer, Department of Psychiatry, Faculty of Medicine, University of Ruhuna, Sri Lanka

<sup>3</sup>Professor, Nuclear Medicine Unit, Faculty of Medicine, University of Ruhuna, Sri Lanka

<sup>4</sup>Consultant Oncologist, Teaching Hospital, Karapitiya, Galle, Sri Lanka

<sup>5</sup>Professor, Department of Community Medicine, Faculty of Medicine, University of Ruhuna, Sri Lanka

# For correspondence ;< [eranthiweeratunga@yahoo.com](mailto:eranthiweeratunga@yahoo.com)>

**Abstract** – Social support (SS) is considered as an important component in improving quality of life of cancer patients. In Sri Lankan context how SS can be measured and evaluated in cancer patients is not well understood. This study was examined the Sinhala version of the Multidimensional Scale of Perceived Social Support (MSPSS) for its psychometric properties. The scale has 3 dimensions; family (FA), friends (FR), and significant others (SO) support. The research was approved by the Ethics Review Committee, Faculty of Medicine, Galle. A total of 40 cancer patients at the Radiotherapy unit, Oncology ward, Teaching Hospital, Karapitiya in Southern Sri Lanka were enrolled 'first come-first serve' basis using their appointment register in 2013. Participants were asked to complete three scales; the MSPSS, the Centre for Epidemiological Studies – Depression scale (CES-D) and the World Health Organization-Quality of Life-Brief scale (WHOQOL-BREF). In addition, their socio-demographic data were recorded. To test-retest reliability of the scale, the same group of participants were asked to fill the same scales two weeks later. Results were regarded as statistically significant if  $p < 0.05$ . Mean ( $\pm$ SD) age of the sample was 61( $\pm$ 12) years. Mean score ( $\pm$ SD) for overall SS was 65( $\pm$ 7). The Sinhala-MSPSS was found to have a negative correlation with the CES-D (divergent validity), but was positively correlated with the WHOQOL-BREF (convergent validity). The internal consistency of the overall scale was good (Cronbach's alpha - 0.75). FA and SO showed high Cronbach's alpha (0.983 and 0.996). The test-retest reliability was found to be 0.86. The Sinhala version of MSPSS is a valid and reliable tool to assess SS of cancer patients.

**Keywords:** Social support, MSPSS, Validity - Reliability