

PERIPHERAL NEUROPATHY AND CHEMOTHERAPY-INDUCED NEUROPATHIC PAIN: STUDY PROTOCOL OF A MULTICENTER CROSS SECTIONAL STUDY

Ruan Nilton Rodrigues Melo^{1,2}, Valquíria Aparecida da Silva^{3,4}, Marina de Góes Salvetti¹.

1-University of São Paulo, School of Nursing, Medical-Surgical Nursing Department, São Paulo, SP, Brazil. 2- A.C.Camargo Cancer Center, Education and Research Department, São Paulo, SP, Brazil. 3- LIM-62, Pain Center, University of São Paulo, School of Medicine, Neurology Department, São Paulo, SP, Brazil. 4- Interdisciplinary Neuromodulation Service, University of São Paulo, School of Medicine, Psychiatry Department, São Paulo, SP, Brazil.



Introduction

- Peripheral neuropathy is the most common neurological toxicity induced by chemotherapy and can impact the quality of life and daily activities of patients, leading to sensory changes, mobility difficulties, risk of falls, and pain.
- Nurses monitor patients undergoing chemotherapy and collaborate in symptom management.
- Therefore, they must equip themselves to identify and manage risks associated with chemotherapy-induced peripheral neuropathy.
- Aim: To assess the prevalence and factors associated with chemotherapy-induced peripheral neuropathy and neuropathic pain in patients undergoing chemotherapy.

Materials and Methods

- A multicenter cross-sectional study with data collection in three specialized oncology centers.
- Adult and elderly patients aged 18 or older undergoing chemotherapy from the fourth application cycle will be included. Participant assessment will be conducted through a guided interview using a sociodemographic and clinical form, the Chemotherapy-Induced Peripheral Neuropathy Assessment Tool (CIPNAT), and the DN4 Questionnaire for neuropathic pain diagnosis.
- The project will be submitted to the Research Ethics Committee of the University of São Paulo School of Nursing, with co-participation from the Cancer Institute of the State of São Paulo (ICESP), A.C. Camargo Cancer Center, and the National Cancer Institute (INCA). Data collection will begin after approval from the Ethics Committee of all participating institutions.

Expected Results:

- This study is expected to contribute to the understanding of chemotherapy-induced peripheral neuropathy and chemotherapy-related neuropathic pain in our setting.

Conclusions

- The findings may help establish more effective strategies for early identification and management of these conditions, preventing treatment interruption and complications.

Reference

- BONHOF, C. S. et al. Painful and non-painful chemotherapy-induced peripheral neuropathy and quality of life in colorectal cancer survivors: results from the population-based profiles registry. *Supportive Care In Cancer*, [S.L.], v. 28, n. 12, p. 5933-5941, 12 abr. 2020. Springer Science and Business Media LLC.



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