The Content Validity of a Chemotherapy-Induced Peripheral Neuropathy Patient-Reported Outcome Measure

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About 64% of individuals develop chemotherapy-induced peripheral neuropathy (CIPN) following treatment with neurotoxic chemotherapeutic agents, such as taxanes, platinums, and vinca alkaloids (Seretny et al., 2014). CIPN is mainly a sensory, length-dependent neuropathy affecting sensory, motor, and autonomic peripheral nerves and is most commonly characterized by numbness, tingling, and neuropathic pain in the extremities. Symmetrical neuropathic pain; altered touch, temperature, and vibration sensibility; and diminished proprioception are characteristics of sensory CIPN, whereas motor CIPN is characterized by weakness and muscle atrophy. Diminished deep tendon reflexes indicate sensory and motor CIPN. Autonomic CIPN symptoms are less common and include constipation, orthostatic hypotension,