CANO/ACIO Position

- Patients being treated with radiation therapy are entitled to receive care from registered nurses who can manage their short and/or long term complex, unpredictable care needs.

- Nursing care is delivered by registered nurses who can provide comprehensive holistic high-quality radiation oncology nursing services across the cancer continuum.

- Radiation oncology registered nurses have post-basic radiation oncology nursing knowledge, skills and judgment.

- Radiation oncology registered nurses work within an environment that supports quality practice.

Rationale

Nearly two-thirds of all cancer patients will receive radiation therapy at some point during the cancer experience (ASTRO, 2015). The complexity of radiation therapy creates risks for the person, the public and health care providers. Hence, legislative and organizational safety requirements for radiation therapy planning, delivery, and care include building structures and specially trained interprofessional team members that meet international radiation safety criteria (AC, 2015; Brant & Wickham, 2013; Dunn Bucholtz, 2012; McQuestion, 2007).

Patients receiving radiation therapy require anticipation of and response to early, chronic and late effects of radiation treatment in order to manage complex and often unpredictable symptoms and psychosocial concerns (Hollis & McMenamin, 2014; Carper & Haas, 2006; Moore-Higgs GJ, Watkins-Bruner D, Balmer L, Johnson-Doneski J, Komarny P, Mautner B & Velji K., 2003). Care needs of patients receiving radiation therapy are complex and often unpredictable with risks for negative outcomes. Concurrent radiation therapy and chemotherapy have additional risks including the potential for more intense side effects, complications and toxicity (Gosselin-Acomb, 2006). These care needs and management of treatment risks fall under the domain of registered nurses and outside the scope of practice expected of registered practical nurses or licensed practical nurses (CNO, 2014). To enhance continuity and ensure high quality care of patients receiving radiation therapy, mechanisms must be in place to ensure communication and collaboration for clinical management and access to resources including access to staff trained in radiation therapy and symptom management (AC, 2015).

Nurses, in a variety of settings including ambulatory cancer centres, inpatient hospital units, and community health care programs, provide direct and indirect care to meet the changing
needs of patients and their families living with the acute, chronic and late effects of radiation therapy across the care trajectory. In some of these settings, immediate and consistent support of oncology experts is not available (Ross, 2014). To bridge this gap, most ambulatory oncology programs provide telephone symptom management by oncology nurses for patients on radiation therapy (Macartney et al., 2012; Ross, 2014). Telephone nursing practice requires in-depth, independent assessment and clinical decision-making abilities, to ensure optimal patient outcomes (CNO, 2009).

Post-radiation therapy patients often have longer-term physical and functional sequelae that requires follow-up by specialized oncology services (Iwamoto, R.R., Hass, M.L. & Gosselin, T., 2012). Patients receiving radiation treatment may receive care by a registered practical nurse or licensed practical nurse when the patient's needs are more predictable, less complex and anticipated outcomes are known. This may be in collaboration with a specialized oncology team while receiving treatment or once a patient has transitioned post treatment to their family physician or generalist health care team.

Nurses providing care to patients receiving radiation therapy require specialized radiation oncology nursing knowledge, skills, and judgement beyond what is provided in undergraduate nursing education programs (Brant & Wickham, 2013; Potter, 2012; IATE, 2008). This education program must include theoretical, clinical and continuing competency components. The breadth and depth of the educational program may vary based on the practice setting (ambulatory cancer centre, hospital, community), patient population, complexities of treatment and patients’ supportive care needs as well as the diversity in the generalist or specialized radiation oncology nursing roles. Radiation oncology nursing competencies are detailed in CANO/ACIO Radiation Oncology Nursing Practice Standards and Competencies (2015). CANO/ACIO provides educational and professional development support for RNs working towards achieving and maintaining their oncology certification (e.g., podcasts, webinars, seminars, annual conferences, and standards for guiding oncology practice). Organizations and leadership have an obligation to pursue avenues of support for nurses to achieve certification whether that is in time, space, mentorship, and/or money (CANO, 2015)

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