

The Role of the Clinical Nurse Specialist in Cancer Care

Edited by
Dr. Helen Kerr

Foreword by
Johan de Munter
President of the European Oncology Nursing Society



WILEY Blackwell

Table of Contents

[Cover](#)

[Table of Contents](#)

[Title Page](#)

[Copyright Page](#)

[Dedication Page](#)

[List of Contributors](#)

[Foreword](#)

[Introduction](#)

[References](#)

[About the Companion Website](#)

[1 Evolvment of Advanced Nursing Practice](#)

[1.1 Introduction](#)

[1.2 Evolvment of Nursing as a Profession](#)

[1.3 Advanced Nursing Practice](#)

[1.4 Conclusion](#)

[References](#)

[2 Emergence and Evolvment of the Clinical Nurse Specialist Role in Cancer Care](#)

[2.1 Introduction](#)

[2.2 Advanced Nursing Practice](#)

[2.3 Historical Context](#)

[2.4 Specialists vs. Generalists](#)

[2.5 Definition of a CNS](#)

[2.6 Components of the Clinical Nurse Specialist Role](#)

[2.7 Professional Standards](#)

[2.8 Education Requirements](#)

[2.9 Outcomes of the Clinical Nurse Specialist Role](#)

[2.10 Specialist Practice in Cancer Care](#)

[2.11 Future Direction of the CNS](#)

[2.12 Conclusion](#)

[References](#)

[3 Patient Perspective](#)

[References](#)

[4 Carer's Perspective](#)

[5 Key Worker Role](#)

[5.1 Introduction](#)

[5.2 The Key Worker](#)

[5.3 Key Worker/Clinical Nurse Specialist Impact on Direct and Indirect Patient Care](#)

[5.4 Challenges in Practice](#)

[5.5 'First Impressions Count'](#)

[5.6 Example of Change in Practice](#)

[5.7 Conclusion](#)

[References](#)

[6 Psychological Support](#)

[6.1 Introduction](#)

[6.2 Part One: The Impact of a Cancer Diagnosis](#)

[6.3 Part Two: Self-Care and the Clinical Nurse Specialist](#)

[6.4 Conclusion](#)

[References](#)

[7 Integrating Research and Evidence-Based Practice](#)

[7.1 Introduction](#)

[7.2 Evidence-Based Practice](#)

[7.3 Barriers to the Implementation of Evidence-Based Practice in the Clinical Setting](#)

[7.4 Role of Evidence-Based Practice in Caring for Patients with Cancer and Their Carers](#)

[7.5 Providing Evidence-Based Care as a Clinical Nurse Specialist](#)

[7.6 Clinical Application of Evidence-Based Practice by Clinical Nurse Specialists](#)

[7.7 Cancer Research and Clinical Trials](#)

[7.8 Cancer Clinical Trials, Research Nurses and the Role of the Clinical Nurse Specialist](#)

[7.9 The Role of the Clinical Nurse Specialist Along the Cancer Clinical Trial Patient Pathway](#)

[7.10 Conclusion](#)

[References](#)

[8 Symptom Management](#)

[8.1 Introduction](#)

[8.6 Conclusion](#)

[References](#)

[9 Multidisciplinary Teamworking](#)

[9.1 Introduction](#)

[9.4 Conclusion](#)

[References](#)

[10 Leadership and the Clinical Nurse Specialist](#)

[10.1 Introduction](#)

[10.2 Leadership](#)

[10.3 Self-Recognition of the Clinical Nurse Specialist as a Leader](#)

[10.4 Leadership in the Context of the Clinical Nurse Specialist](#)

10.5 Conclusion

References

11 Nurse-Led Clinics

11.1 Introduction

11.2 Nurse-Led Care and the Launch of Nurse-Led Clinics in Healthcare

11.3 Components of a Nurse-Led Clinic

11.4 Introducing a Nurse-Led Clinic

11.5 Nursing Skills Required to Introduce and Establish a Nurse-Led Clinic

11.6 Approaches to Delivering a Nurse-Led Clinic

11.7 Patient Outcomes Related to Nurse-Led Clinics

11.8 Benefits of Nurse-Led Clinics for the Registered Nurse

11.9 Benefits of Nurse-Led Clinics for the Healthcare Organisation

11.10 Challenges to Implementing Nurse-Led Clinics

11.11 Nurse-Led Clinic Service Evaluation

11.12 Future of Nurse-Led Clinics

11.13 Reflection on the Role as a Uro-Oncology CNS Undertaking Nurse-Led Clinics

11.14 Conclusion

References

12 Non-Medical Prescribing

12.1 Introduction

12.2 Background

12.3 Developments in Nursing Practice and the Role of Prescribing

12.4 Preparing to Prescribe

[12.5 Benefits and Challenges of Non-Medical Prescribing](#)

[12.6 Deciding to Become a Non-Medical Prescriber](#)

[12.7 Conclusion](#)

[References](#)

[13 Cancer in the Adolescent and Young Adult](#)

[13.1 Introduction](#)

[13.2 Background to Adolescent and Young Adult Cancer Services](#)

[13.3 Person-Centred Adolescent and Young Adult Care](#)

[13.4 Support for Family and Significant Others](#)

[13.5 Holistic Care](#)

[13.6 Multidisciplinary Working](#)

[13.7 Healthcare Professional Knowledge](#)

[13.8 Adolescent and Young Adult Clinical Nurse Specialist Leadership Skills](#)

[13.9 Communication with Adolescents and Young Adults](#)

[13.10 Age-Appropriate Environments](#)

[13.11 Adolescent and Young Adult Peer Support](#)

[13.12 Adolescent and Young Adult Treatment Priorities](#)

[13.13 Transitional Adolescent and Young Adult Care](#)

[13.14 Living With and Beyond Cancer](#)

[13.15 Late Effects of Cancer Treatment](#)

[13.16 Palliative Adolescent and Young Adult Care](#)

[13.17 Co-production](#)

[13.18 Conclusion](#)

References

14 COVID-19 and the Clinical Nurse Specialist

14.1 Introduction

14.8 Conclusion

References

15 Digital Health

15.1 Introduction

15.2 The Role of the Informatics Nurse/Chief Nursing Information Officer

15.3 Electronic Observations

15.4 Electronic Health Records

15.5 Digitalisation of Blood Glucose Monitoring

15.6 Electronic Nurse Prescribing

15.7 Nurse Digitally Requesting Bloods

15.8 Remote Consultations

15.9 Virtual Wards

15.10 Electronic Patient-Reported Outcome Measures

15.11 Mobile Cancer Applications

15.12 Home Blood Monitoring

15.13 Artificial Intelligence

15.14 Barriers to Digital Health

15.15 Conclusion

References

16 Future Direction of the Clinical Nurse Specialist in Cancer Care

16.1 Introduction

16.2 The Role of Caring and the Clinical Nurse Specialist

[16.3 Developing Skills for Today and the Future](#)

[16.4 Leadership](#)

[16.5 Equality, Diversity and Inclusion in the Role of the Clinical Nurse Specialist](#)

[16.6 New Ways of Working](#)

[16.7 Self-Reflection](#)

[16.8 Conclusion](#)

[References](#)

[Index](#)

[End User License Agreement](#)

List of Tables

Chapter 6

[Table 6.1 Categories of psychological support.](#)

[Table 6.2 SPIKES framework.](#)

Chapter 12

[Table 12.1 The clinical management plan.](#)

[Table 12.2 Prescribing in practice.](#)

[Table 12.3 Principles of professional nursing.](#)

Chapter 16

[Table 16.1 Compassion in healthcare.](#)

[Table 16.2 Clinical and humanity based skills.](#)

[Table 16.3 Quality and skills for leadership.](#)

[Table 16.4 Equity, diversity and inclusion.](#)

[Table 16.5 The role of the clinical nurse specialist in a changing world....](#)

List of Illustrations

Chapter 7

[Figure 7.1 The patient clinical trial pathway and potential CNS role interfa...](#)

The Role of the Clinical Nurse Specialist in Cancer Care

Edited by

Dr Helen Kerr PhD, RN
Queen's University Belfast

Foreword by
Johan De Munter
President of the European Oncology Nursing Society

WILEY Blackwell

This edition first published 2024

© 2024 John Wiley & Sons Ltd

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, except as permitted by law. Advice on how to obtain permission to reuse material from this title is available at <http://www.wiley.com/go/permissions>.

The right of Helen Kerr to be identified as the author of the editorial material in this work has been asserted in accordance with law.

Registered Offices

John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030, USA

John Wiley & Sons Ltd, The Atrium, Southern Gate, Chichester, West Sussex, PO19 8SQ, UK

For details of our global editorial offices, customer services, and more information about Wiley products visit us at www.wiley.com.

Wiley also publishes its books in a variety of electronic formats and by print-on-demand. Some content that appears in standard print versions of this book may not be available in other formats.

Trademarks: Wiley and the Wiley logo are trademarks or registered trademarks of John Wiley & Sons, Inc. and/or its affiliates in the United States and other countries and may not be used without written permission. All other trademarks are the property of their respective owners. John Wiley & Sons, Inc. is not associated with any product or vendor mentioned in this book.

Limit of Liability/Disclaimer of Warranty

The contents of this work are intended to further general scientific research, understanding, and discussion only and are not intended and should not be relied upon as recommending or promoting scientific method, diagnosis, or treatment by physicians for any particular patient. In view of ongoing research, equipment modifications, changes in governmental regulations, and the constant flow of information relating to the use of medicines, equipment, and devices, the reader is urged to review and evaluate the information provided in the package insert or instructions for each medicine, equipment, or device for, among other things, any changes in the instructions or indication of usage and for added warnings and precautions. While the publisher and authors have used their best efforts in preparing this work, they make no representations or warranties with respect to the accuracy or completeness of the contents of this work and specifically disclaim all warranties, including without limitation any implied warranties of merchantability or fitness for a particular purpose. No warranty may be created or extended by sales representatives, written sales materials or promotional statements for this work. The fact that an organization, website, or product is referred to in this work as a citation and/or potential source of further information does not mean that the publisher and authors endorse the information or services the organization, website, or product may provide or recommendations it may make. This work is sold with

the understanding that the publisher is not engaged in rendering professional services. The advice and strategies contained herein may not be suitable for your situation. You should consult with a specialist where appropriate. Further, readers should be aware that websites listed in this work may have changed or disappeared between when this work was written and when it is read. Neither the publisher nor authors shall be liable for any loss of profit or any other commercial damages, including but not limited to special, incidental, consequential, or other damages.

Library of Congress Cataloging-in-Publication Data

Names: Kerr, Helen, editor.

Title: The role of the clinical nurse specialist in cancer care / edited by Helen Kerr.

Description: Hoboken, NJ : Wiley-Blackwell, 2023. | Includes bibliographical references and index.

Identifiers: LCCN 2023023154 (print) | LCCN 2023023155 (ebook) | ISBN 9781119866992 (paperback) | ISBN 9781119867005 (adobe pdf) | ISBN 9781119867012 (epub)

Subjects: MESH: Neoplasms-nursing | Nurse Clinicians | Nurse's Role

Classification: LCC RC266 (print) | LCC RC266 (ebook) | NLM WY 156 | DDC 616.99/40231-dc23/eng/20230626

LC record available at <https://lccn.loc.gov/2023023154>

LC ebook record available at <https://lccn.loc.gov/2023023155>

Cover Design: Wiley

Cover Image: © Israel Sebastian/Getty Images

To my mother, Meta Bell, whose career as a Marie Curie nurse inspired me and many others to compassionately care for others.

To my partner, Sharon Kerr, who believes in me.

Helen Kerr

List of Contributors

Karen Armstrong, BSc (Hons), PGDip, RN

Northern Ireland Cancer Centre
Belfast, Northern Ireland
United Kingdom

Edel Aughey, MSc, BSc, PGCE, RN

Belfast City Hospital and School of Nursing and Midwifery
Queen's University Belfast
Belfast, Northern Ireland
United Kingdom

Ruth Boyd, MSc, BN, RGN, DN

Northern Ireland Cancer Trials Network
Belfast Health and Social Care Trust
Belfast, Northern Ireland
United Kingdom

Laura Croan, MSc, RN

Haematology
Belfast Health and Social Care Trust
Belfast, Northern Ireland
United Kingdom

Monica Donovan, MSc, RN

School of Nursing and Midwifery
Queen's University Belfast
Belfast, Northern Ireland
United Kingdom

***Sarah Hanbridge, RN, RNT, FNF Digital Scholar, MA,
PCGE, BA (Hons) Dip Nursing***

Digital Informatics Team
Leeds Teaching Hospital
Yorkshire, England
United Kingdom

Michelle Keenan, MSc, BSc, RN
Belfast Health and Social Care Trust
Belfast, Northern Ireland
United Kingdom

Helen Kerr, PhD, RN, Dip Counselling
School of Nursing and Midwifery
Queen's University
Belfast, Northern Ireland
United Kingdom

Caroline McCaughey, MSc, PGCE, RN
School of Nursing and Midwifery
Queen's University Belfast and Oncology/Haematology
Belfast City Hospital
Lisburn Road
Belfast, Northern Ireland
United Kingdom

Johanna McMullan, RN, MSc, MEd
School of Nursing and Midwifery Queen's University
Belfast, Northern Ireland
United Kingdom

Oonagh McSorley, PhD, RN
School of Nursing and Midwifery
Queen's University Belfast
Belfast, Northern Ireland
United Kingdom

Clare McVeigh, PhD, RN
School of Nursing and Midwifery
Queen's University Belfast
Belfast, Northern Ireland
United Kingdom

Shelley Mooney, MSc, RN
Belfast Health and Social Care Trust

Belfast, Northern Ireland
United Kingdom

Adrina O'Donnell, MSc, BSc (Hons) RN, DipN

Northern Ireland Cancer Centre
Belfast Health and Social Care Trust
Belfast, Northern Ireland
United Kingdom

Hinal Patel, MSc, RN

University College London
Hospitals NHS Foundation Trust
London, England
United Kingdom

Barry Quinn, PhD, RN

School of Nursing and Midwifery
Queen's University Belfast
Belfast, Northern Ireland
United Kingdom

Susan Smyth, MSc, RN

Macmillan Unit
Ulster Hospital
Upper Newtownards Road
Belfast, Northern Ireland
United Kingdom

Kerrie Sweeney

Cancer Services
Antrim Area Hospital
Northern Health and Social Care Trust
Northern Ireland
United Kingdom

Ruth Thompson, MSc, RN

Nursing Policy and Practice
Royal College of Nursing

Belfast, Northern Ireland
United Kingdom

Stephanie Todd, BSc(Hons) Postgrad Dip, RN

Belfast Health and Social Care Trust
Belfast, Northern Ireland
United Kingdom

Amy Vercell, MSc, RN

Digital Services
The Christie NHS Foundation Trust
Manchester, England
United Kingdom

Trevor Wightman

Northern Ireland
United Kingdom

Foreword

Today, it is recognised that the burden of cancer in the population lies across the whole lifespan and that innovation in cancer care is crucial to tackling the cancer burden across the globe. Apart from the imperative of ensuring that every person with cancer has the best possible chance to receive treatment and survive cancer, the potential for the best outcome demands an interprofessional collaboration among all stakeholders in cancer care. Cancer nurses are key healthcare providers who contribute to innovative, qualitative and safe cancer care, from prevention to survivorship and end-of-life care. As forefront healthcare providers, they have a great responsibility and, at the same time, a great opportunity to contribute to the success of the provided care. However, developments in healthcare are not remaining constant, as great leaps continue to be taken to meet the current needs of those who need care.

To meet this modern standard of care, the development and implementation of lead roles such as clinical nurse specialists (CNS) are crucial in supporting person-centred care and health outcomes. CNS are advanced practice nurses who have completed advanced education programmes and clinical training in a specific area of healthcare. In the field of cancer care, the CNS plays a vital role in improving patient outcomes and providing high-quality care. A CNS works closely with patients, families and other healthcare professionals to coordinate and deliver cancer care that is tailored to the unique holistic needs of each individual. They are skilled in conducting comprehensive assessments, developing care plans, and providing education and support to patients and families.

The CNS also has a strong understanding of the various innovative cancer treatment modalities, including chemotherapy, radiation therapy, immunotherapy, hormonal therapies and surgery and is able to provide expert guidance and support to patients undergoing these treatments. They often care for patients throughout all stages of cancer, from diagnosis and treatment to post-treatment follow-up and survivorship.

In addition to their direct patient care responsibilities, CNS also serve as leaders within the healthcare community. They may act as consultants to other healthcare professionals, providing expert advice and guidance on cancer care and treatment. CNS may also serve as educators, teaching other healthcare professionals about the latest research and best practices in cancer care. Next to education is research, an important aspect of the work of a CNS in cancer care. The CNS may conduct research studies or participate in clinical trials to advance the field of cancer care and improve patient outcomes. They may also work to identify and address care gaps, developing innovative treatments, care and support approaches.

As advocates for patients, CNS work to ensure that individuals with cancer and their families and carers receive the best possible care and support. They may also advocate for policies and practices that promote cancer prevention and early detection, contributing to reducing the burden of cancer on individuals and society as a whole. Overall, the work of a CNS in cancer care is multifaceted and vital in improving the lives of patients and their families affected by cancer.

For those interested in pursuing a career as a CNS in cancer care, it is important to have a strong foundation in nursing and a passion for cancer care. CNS must also be

willing to continue learning and staying up-to-date on the latest research and best practices in cancer care.

If you are a CNS, a nurse seeking to specialise in cancer care, or simply interested in learning more about this important area of cancer nursing, this book is an invaluable resource. It provides a comprehensive look at the work of CNS in cancer care and their vital role in improving patient outcomes and advancing the field. As a cancer nurse whose own ventures into cancer care were encouraged and supported by talented and inspirational national and international nursing colleagues, I warmly welcome this book. Finally, to all readers, I want to thank you for recognising the important role of the CNS. When going through this book, you will notice that many chapters are written by clinical nurse specialists for clinical nurse specialists. As a result of this comprehensive collaboration, the book provides important, reflective depth with an honest and current perspective of the CNS role. We hope that you will enjoy reading this book and that it will inspire you to embrace the full potential of the CNS role in cancer care.

*Johan De Munter
Cancer Nurse Manager
Cancer Center, University Hospital Ghent, Belgium
President, European Oncology Nursing Society*

Introduction

Helen Kerr

From nursing's inception as a profession, there has been a continual evaluation of the profession in response to changing health and societal needs (International Council of Nursing [2020](#)). One aspect of this relates to the growing global interest in extending nursing practice beyond the level of initial registration (East et al. [2015](#)) in response to changing demographics (Holloway et al. [2009](#)), greater user involvement and rising expectations (Por [2008](#)). One component of advanced nursing practice is advanced nursing roles, with up to 52 different roles in 26 countries reported in one study (Heale and Buckley [2015](#)). The clinical nurse specialist (CNS) is one advanced nursing role.

The CNS's role within cancer services significantly contributes to providing high-quality care delivery. In cancer care, the role is reported to contribute to improvements in psychological outcomes for patients; increased patient satisfaction; improvements in patient knowledge; enhanced clinical outcomes, particularly in relation to symptom management; and enhanced service delivery outcomes, such as increased access to services (Kerr et al. [2021](#)). Understanding and appreciating the specific components of the role has been outlined by various authors and includes broad categories of direct patient care and other aspects such as administration, research, education and leadership. This book further delineates the various components of the CNS role to provide clear insights into the contribution of this role in improving patient outcomes and supporting the development of these aspects within current roles.

This book is in four sections. The first section has two chapters that relate to the emergence and evolution of advanced nursing practice with a focus on one specific component: advanced nursing roles. [Chapter 1](#) focuses on the historical context of advancing nursing practice and advanced practice nurse roles. [Chapter 2](#) outlines the historical and current context of the CNS role, providing a background for the book.

Section two has two chapters that provide a patient and carer perspective of the CNS role. [Chapter 3](#) is written by Johanna, who shares her experiences of being diagnosed with breast cancer and reflects on the CNS's role in her care. [Chapter 4](#) is written by Trevor, a carer of an individual who had cancer; he shares his experience of being a carer and the impact the CNS had in their care.

The third section has nine chapters, and each is co-authored by a CNS along with an academic with a clinical background in cancer services. Each chapter focuses on a different component of the CNS role. [Chapter 5](#) provides an overview of the operationalisation of the *key worker role* and a discussion of how challenges associated with this role could be effectively managed. [Chapter 6](#) focuses on the skills required by the CNS in providing *psychological support* to individuals with a cancer diagnosis and their carers. There is also a discussion of the importance of self-care for nurses working in cancer services. [Chapter 7](#) focuses on how *research and evidence-based practice* must be integrated into the CNS role, discussing the importance of cancer clinical trials. [Chapter 8](#) focuses on *symptom management*. There is an outline of the presentation, assessment and management of gastro-intestinal symptoms associated with a diagnosis of cancer and treatment interventions, along with a focus on pain assessment and management. [Chapter 9](#) focuses on the CNS's important contribution to *the multi-disciplinary team* and how to

integrate this role within an established interdisciplinary team. [Chapter 10](#) provides a clinical approach to developing the *leadership* aspect of the CNS role in managing patient care to optimise services. [Chapter 11](#) focuses on the steps involved in introducing and establishing *nurse-led clinics* in cancer services. [Chapter 12](#) outlines the historical context of the *non-medical prescribing role* and the contribution this role has for the CNS in enhancing patient care. [Chapter 13](#) focuses specifically on the role of the CNS for *adolescents and young adults with cancer*, identifying the skills required to provide care for these individuals and their families and carers.

Section four considers the future direction of the CNS role and has three chapters. [Chapter 14](#) explores the impact the *COVID-19 global pandemic* had on the role of the CNS in cancer services, including a discussion on the introduction and evolution of approaches adopted for patient safety. There is an exploration of how the CNS can contribute to reviewing the sustainability of some of these approaches. This is followed by [Chapter 15](#), which provides an overview of the historical evolution of *digital health* and how the CNS can contribute to addressing the challenges of moving aspects of care delivery to a virtual environment, particularly in the context of the COVID-19 global pandemic. [Chapter 16](#), the final chapter, examines the *future direction* and possible trends in practice and care delivery for CNS working in cancer services. There is an emphasis on the continuing central role of delivering person-centred care within this specialist role.

The book should be of interest to nurses considering the CNS role as part of their career trajectory, as it delineates some of the various components of the role. The book will also be of interest to those currently in CNS roles, as it identifies aspects of the role that could be developed, such

as nurse-led clinics and non-medical prescribing. Finally, those who work alongside CNS or are in strategic leadership roles will appreciate the significant contribution the CNS role makes to improving patient outcomes and delivering healthcare in the cancer context.

Twenty-two authors contributed to this book, providing their perspectives on the significant and valuable contribution the CNS role makes to enhancing patient care. We invite you to explore, reflect on and enjoy engaging with this book and consider how you and others can develop the CNS role so as to improve outcomes for individuals with cancer and their families and carers.

References

- East, L., Knowles, K., Pettman, M., and Fisher, L. (2015). Advanced level nursing in England: organisation challenges and opportunities. *Journal of Nursing Management* 23: 1011-1019.
- Heale, R. and Buckley, C. (2015). An international perspective of advanced practice nursing regulation. *International Nursing Review* 62: 421-429.
- Holloway, K., Baker, J., and Lumby, J. (2009). Specialist nursing framework for New Zealand: a missing link in workforce planning. *Policy Politics and Nursing Practice* 10 (4): 269-275.
- International Council of Nurses (ICN) (2020). *Guidelines on Advanced Practice Nursing*. Geneva: ICN.
- Kerr, H., Donovan, M., and McSorley, O. (2021). Evaluation of the role of the clinical Nurse Specialist in cancer care: an integrative literature review. *European Journal of Cancer Care* 30 (3): 1-13.

Por, J. (2008). A critical engagement with the concept of advanced nursing practice. *Journal of Nursing Management* 16: 84-90.

About the Companion Website

Don't forget to access the accompanying podcasts, which are hosted on the companion website:



www.wiley.com/go/kerr



t

Tamura, S. [71](#)-72

Tanner, C. [37](#)

Tauber, N. [73](#)

Taylor, C. [131](#)

Taylor, R.M. [193](#)

TCT (Teenage Cancer Trust) [181](#), [184](#), [192](#)

teach back technique [71](#)

teenage and young adult (TYA) [181](#)-182

Teenage Cancer Trust (TCT) [181](#), [184](#), [192](#)

TENS (transcutaneous electrical nerve stimulation) [106](#)

text messaging, with adolescents and young adults [190](#)

Thompson, J. [137](#)

Tipirneni, R. [210](#)

Tod, A.M. [208](#)

Todd, S. [204](#)

The Topol Review [219](#)-220

Tracy, M.G. [3](#), [4](#), [5](#), [8](#), [150](#)

tramadol, for renal failure [108](#)

transcutaneous electrical nerve stimulation (TENS) [106](#)

transdermal patches, for hepatic impairment [109](#)

transitional care, for adolescents and young adults [193](#)-194

treatment

decision-making for [70](#)-71

late effects of [195](#)

priorities for adolescents and young adults [192](#)-193

TYA (teenage and young adult) [181](#)-182

u

Ulrich, C.M. [96](#)

United Kingdom

emergence of nurse-led clinics in [150](#)

multidisciplinary teams (MDTs) in [125](#)

United Kingdom Central Council (UKCC) [2](#)

United Kingdom Oncology Nursing Society (UKONS) [86](#)

United States

emergence of nurse-led clinics in [150](#)

multidisciplinary teams (MDTs) in [125](#)

uro-oncology CNS, role of in nurse-led clinics [160](#)-161

USA National Library of Medicine [94](#)

v

Vercell, A. [218](#)

Verschuur, E.M.L. [158](#)

Vidall, C. [24](#)

Vinall-Collier, K. [150](#)

virtual wards [225](#)-226

vomiting, managing [112](#)-114
Vrdoljak, E. [207](#)

W

Wallace, I. [131](#)

Walraven, J. [127](#)

Waterhouse, D.M. [205](#)-206

Watson, J. [238](#)

Weed, L. [221](#)

West, M. [177](#)

Weston, V. [156](#), [157](#)

WhatsApp [191](#)

When Professionals Weep (Abore) [246](#)

Whitehead, D. [9](#)

Wijeratne, D.T. [190](#)

Wilcocks, S. [53](#)-54

Wiles, R. [150](#)

Wilkinson, S. [75](#), [207](#)

Wilkinson Model [67](#)

Willard, C. [131](#)

“Wish, Worry, Wonder” communication support
framework [68](#)

Wittenberg-Lyles, E. [76](#)

Wong, F.K.Y. [3](#), [150](#), [154](#), [156](#)

Woo, B.F.Y. [7](#)

World Health Organization (WHO) [1](#), [2-3](#), [85](#), [106](#), [167](#),
[203](#), [219](#)

World Health Organization Eastern Mediterranean
Regional Office (WHO-EMRO) [18](#)

Wu, S. [76](#)

y

young adults. *See* [adolescents and young adults \(AYAs\)](#).

Young Lives vs Cancer [184](#)

z

Zimmerman, C. [68-69](#)

Zoom [191](#)