ACUTE CARE NURSING

Edited by

Julia Gilbert and Elisabeth Coyne

Acute Care Nursing

Edited by
Julia Gilbert
Elisabeth Coyne





CAMBRIDGE UNIVERSITY PRESS

University Printing House, Cambridge CB2 8BS, United Kingdom

One Liberty Plaza, 20th Floor, New York, NY 10006, USA

477 Williamstown Road, Port Melbourne, VIC 3207, Australia

314-321, 3rd Floor, Plot 3, Splendor Forum, Jasola District Centre, New Delhi - 110025, India

79 Anson Road, #06-04/06, Singapore 079906

Cambridge University Press is part of the University of Cambridge.

It furthers the University's mission by disseminating knowledge in the pursuit of education, learning and research at the highest international levels of excellence.

www.cambridge.org

Information on this title: www.cambridge.org/9781108413039

© Cambridge University Press 2018

This publication is copyright. Subject to statutory exception and to the provisions of relevant collective licensing agreements, no reproduction of any part may take place without the written permission of Cambridge University Press.

First published 2018

Cover designed by eggplant communications Typeset by Integra Software Services Pvt. Ltd Printed in China by C & C Offset Printing Co. Ltd, June 2018

A catalogue record for this publication is available from the British Library

A catalogue record for this book is available from the National Library of Australia

ISBN 978-1-108-41303-9 Paperback

Additional resources for this publication at www.cambridge.edu.au/academic/acutecare

Reproduction and communication for educational purposes

The Australian Copyright Act 1968 (the Act) allows a maximum of one chapter or 10% of the pages of this work, whichever is the greater, to be reproduced and/or communicated by any educational institution for its educational purposes provided that the educational institution (or the body that administers it) has given a remuneration notice to Copyright Agency Limited (CAL) under the Act.

For details of the CAL licence for educational institutions contact:

Copyright Agency Limited Level 15, 233 Castlereagh Street Sydney NSW 2000 Telephone: (02) 9394 7600 Facsimile: (02) 9394 7601 E-mail: info@copyright.com.au

00077803

120 I5AC9

Cambridge University Press has no responsibility for the persistence or accuracy of URLs for external or third-party internet websites referred to in this publication and does not guarantee that any content on such websites is, or will remain, accurate or appropriate.

Every effort has been made in preparing this book to provide accurate and up-to-date information that is in accord with accepted standards and practice at the time of publication. Although case histories are drawn from actual cases, every effort has been made to disguise the identities of the individuals involved. Nevertheless, the authors, editors and publishers can make no warranties that the information contained herein is totally free from error, not least because clinical standards are constantly changing through research and regulation. The authors, editors and publishers therefore disclaim all liability for direct or consequential damages resulting from the use of material contained in this book. Readers are strongly advised to pay careful attention to information provided by the manufacturer of any drugs or equipment that they plan to use.

Contents

List of figures and tables	,
List of contributors	X
Preface	XVI
Acknowledgements	xvii
Chapter 1 The Australian and New Zealand healthcare systems	1
Linda Deravin, Elisabeth Coyne, Lyn Croxon and Judith Anderson	
Introduction	2
The Australian and New Zealand healthcare systems	3
National Health Priority Areas	7
Vulnerable populations	9
The nurse's role	11
Summary	13
Review questions	14
Research topic	14
Further reading	14
References	14
Chapter 2 Admitting and assessing medical and surgical clients Judith Anderson, Monica Peddle, Sonia Reisenhofer, Judith Needham	18
and Linda Deravin	
Introduction	19
Admission and assessment	20
Patient safety and risk management	23
Clinical decision-making	30
Role of the nurse	32
Preparation for discharge	33
Summary	37
Review questions	. 38
Research topic	38
Further reading	38
References	38

Chapter 3 The acute surgical patient	42
Elisabeth Coyne, Judith Anderson and Maryanne Podham	
Introduction	43
The acute surgical event	44
The paediatric, elderly and bariatric patient	49
The nurse's role in coordinating culturally sensitive and patient-centred care	50
The nurse's role in multidisciplinary collaboration when caring for a surgical patient	52
Assessment and management of the acute surgical patient	53
Summary	56
Review questions	57
Research topic	57
Further reading	57
References	58
Chapter 4 The acute medical client	61
Rachel Cross, Ann-Marie Brown and Nang Sein	
Introduction	62
Acute medical conditions	63
Social determinants of health	64
Assessment of the acute medical client	66
Comorbidities	67
Chronic illness management	69
Summary	76
Review questions	77
Research topic	77
Further reading	77
References	78
Chapter 5 Acute respiratory conditions	81
Melissa Johnston, Amali Hohol and Grant Williams-Pritchard	
Introduction	82
Pathophysiology	83
Comprehensive respiratory assessment of the acute care patient	85
Care planning and nursing management of the acute respiratory patient	89
Patient education and discharge planning for the acute respiratory patient	92
Patient-centred care and multidisciplinary collaboration	94
Summary	97
Review questions	98
Research topic	98
Further reading	98
References	98

Chapter 6 Acute cardiovascular conditions	102
Amali Hohol, Melissa Johnston, Emma Luck and Grant Williams-Pritchard	
Introduction	103
Pathophysiology and risk factors of acute cardiovascular conditions	104
Medical, interventional and surgical management of acute cardiovascular conditions	107
Care planning and nursing management of the acute cardiovascular patient	110
Collaborative patient-centred nursing care	112
Patient education and discharge planning for the acute cardiovascular patient	114
Summary	117
Review questions	118
Research topic	118
Further reading	118
References	118
Chapter 7 Acute renal conditions	123
Melissa Arnold-Chamney, Sharon Latimer, Matthew Barton and Janet Kelly	
Introduction	124
Understanding acute kidney injuries	125
Management of clients with renal conditions	130
Nursing assessment and management	134
Patient-centred care	136
The nurse's role and the importance of collaboration with MDT in the delivery	
of person-centred care	138
Summary	141
Review questions	141
Research topic	141
Further reading	142
References	142
Chapter 8 Acute neurological conditions	145
Amali Hohol, Leeanne Ford, Julia Gilbert, Ronak Reshamwala and Michael Todorovic	
Introduction	146
Pathophysiology, prevalence and risk factors associated with acute	
neurological conditions	147
Nursing assessment and management of acute neurological conditions	152
Coordinated, patient-centred care for the patient with an acute neurological	
condition	158
Discharge planning for the acute neurologic patient	160
Advanced nursing practice in the care of acute neurological disorders	161
Summary	163
Review questions	164
Research topic	164
Further reading	164
References	164

Chapter 9 Acute gastrointestinal conditions	168
Amali Hohol and Lyndal Taylor	
Introduction	169
Pathophysiology, risk factors and prevalence of acute gastrointestinal disorders	170
Comprehensive gastrointestinal assessment	175
Management of the acute GI patient	177
Patient education and discharge planning	180
Holistic care of the acute gastrointestinal patient	182
Summary	184
Review questions	185
Research topic	185
Further reading	185
References	186
Chapter 10 Acute endocrine conditions	190
Sharon Latimer, Matthew Barton, Leeane Ford, Julia Gilbert and Nang Sein	
Introduction	191
Pathophysiology, risk factors and presentations of acute endocrine conditions	192
Concepts of patient-centred care and care coordination for acute endocrine	
conditions	205
Nurses' role in collaborative management of acute endocrine conditions	205
Advanced nursing practice for acute endocrine conditions	206
Summary	207
Review questions	207
Research topic	208
Further reading	208
References	208
Chapter 11 Acute reproductive disorders	212
Elisabeth Coyne and Sally-ann de-Vitry Smith	
Introduction	213
Defining common reproductive disorders	214
Pathophysiology, risk factors, incidence and treatment of acute	
reproductive disorders	215
The nurse's role in managing acute reproductive disorders	220
The nurse's role in the assessment of reproductive conditions	227
The nurse's role in the delivery of patient-centred care and culturally competent care	228
Summary	230
Review questions	231
Research topic	231
Further reading	23
References	23

Chapter 12 Health emergencies	236
Elicia Kunst, Jasmine Wadham, Monica Peddle, Susanne Thompson, Elizabeth Elder, Ann-Marie Brown and Amy Johnston	
Introduction	237
The nurse's role in recognising health emergencies	238
Categories of health emergencies	241
Patient-centred care in health emergencies	249
Inter-professional teams in health emergencies	251
Summary	255
Review questions	255
Research topic	256
Further reading	256
References	256
Index	260

As populations around the globe continue to grow, healthcare providers face increased demand for acute health services, including management of life-threatening emergencies, management of chronic conditions and routine health issues requiring immediate action. Acute Care Nursing provides an accessible and practical overview of the role of the nurse in acute medical and surgical settings in the Australian and New Zealand context.

Linking closely with the Australian Registered Nurse Standards for Practice and the New Zealand Competencies for Registered Nurses, this text equips students with foundational knowledge of the pathophysiology, treatment and legal and ethical issues associated with common acute conditions. Through the person-centred, collaborative care approach, students will also learn effective communication, decision-making and cultural competency skills that are essential for nurses in any practice context.

Each chapter is enriched with pedagogical features designed to solidify understanding and promote critical thinking, including 'Skills in Practice' case studies, reflections, key terms, review questions, research topics and further readings.

Offering students a relevant and contemporary understanding of the acute care context, Acute Care Nursing is an essential companion that can be taken from the classroom into practice.

Julia Gilbert is Lecturer in the School of Nursing at Federation University.

Elisabeth Coyne is Senior Lecturer in the School of Nursing and Midwifery at Griffith University.



Online instructor resources

www.cambridge.edu.au/academic/acutecare

Resources for each chapter include:

- multiple-choice questions and answer guide
- short-answer questions and suggested responses
- links to relevant video materials
- an activity for individual or group learning

