

Cambridge University Press

978-0-521-85776-5 - Dementia: A Global Approach

Edited by Ennapadam S. Krishnamoorthy, Martin J. Prince and Jeffrey L. Cummings

Frontmatter

[More information](#)

Dementia

A Global Approach

Cambridge University Press

978-0-521-85776-5 - Dementia: A Global Approach

Edited by Ennapadam S. Krishnamoorthy, Martin J. Prince and Jeffrey L. Cummings

Frontmatter

[More information](#)

Dementia

A Global Approach

Edited by

Ennapadam S. Krishnamoorthy

The Institute of Neurological Sciences, VHS Hospital, Chennai, India

Martin J. Prince

Institute of Psychiatry, London, UK

Jeffrey L. Cummings

Neurological Institute of Cleveland Clinic Foundation, Las Vegas, USA



Cambridge University Press

978-0-521-85776-5 - Dementia: A Global Approach

Edited by Ennapadam S. Krishnamoorthy, Martin J. Prince and Jeffrey L. Cummings

Frontmatter

[More information](#)

CAMBRIDGE UNIVERSITY PRESS

Cambridge, New York, Melbourne, Madrid, Cape Town, Singapore,
São Paulo, Delhi, Dubai, Tokyo, Mexico City

Cambridge University Press

The Edinburgh Building, Cambridge CB2 8RU, UK

Published in the United States of America by Cambridge University Press, New York

www.cambridge.org

Information on this title: www.cambridge.org/9780521857765

© Cambridge University Press 2010

This publication is in 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 2010

Printed in the United Kingdom at the University Press, Cambridge

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

Library of Congress Cataloging in Publication data

Dementia: a global approach / edited by Ennapadam S. Krishnamoorthy, Martin J. Prince, Jeffrey L. Cummings.

p. cm.

Includes bibliographical references and index.

ISBN 978-0-521-85776-5 (hardback)

1. Dementia. I. Krishnamoorthy, Ennapadam S., 1966– II. Prince, Martin (Martin James), 1960–
III. Cummings, Jeffrey L., 1948–

[DNLM: 1. Dementia – epidemiology. 2. Cross-Cultural Comparison. 3. Dementia – therapy.

WM 220 D376313 2010]

RC521.D4527 2010

616.8'3–dc22 2010006226

ISBN 978-0-521-85776-5 Hardback

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 which
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.

Cambridge University Press

978-0-521-85776-5 - Dementia: A Global Approach

Edited by Ennapadam S. Krishnamoorthy, Martin J. Prince and Jeffrey L. Cummings

Frontmatter

[More information](#)

Contents

List of contributors vii

-
- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1 The aging brain and mind: cultural and anthropological perspectives 1
Kua Ee Heok</p> <p>2 Mild cognitive impairment: current concepts and cross-cultural issues 7
Seethalakshmi Ramanathan and Ennapadam S. Krishnamoorthy</p> <p>3 Alzheimer's disease: the African American story 27
Hugh Hendrie</p> <p>4 Vascular cognitive impairment 31</p> <p>4A The syndrome of vascular cognitive impairment: current concepts 31
J. V. Bowler</p> <p>4B Debate: is vascular dementia more common in some parts of the world? 37
Suvarna Alladi and R. Stewart</p> <p>5 Cross-cultural issues of global significance 47</p> <p>5A Infections and dementia: the view from a developing nation 47
P. Satishchandra and Vijayan Joy</p> <p>5B Nutrition and dementia: where is the nexus? 55
Alan D. Dangour and Ricardo Uauy</p> | <p>6 Assessment 63</p> <p>6A The experience of assessing cognition across cultures 63
Kathleen S. Hall</p> <p>6B Assessing behavior in dementia across cultures 73
Vorapun Senanarong and Jeffrey L. Cummings</p> <p>7 Psychosocial factors 87</p> <p>7A Quality of life in dementia: global perspective and transcultural issues 87
Caroline Selai, Demetris Pillas, and Annabel Dodds</p> <p>7B Caregiving for dementia: global perspectives and transcultural issues 99
Thaddeus Alfonso, Ennapadam S. Krishnamoorthy, and Keith Gomez</p> <p>7C Care arrangements for patients with dementia: China 107
Helen Chiu, Joshua Tsoh, and Xin Yu</p> <p>8 Service delivery and management 113</p> <p>8A Dementia services: developing rural and remote services 113
Sadanand Rajkumar and Julia Lane</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Cambridge University Press

978-0-521-85776-5 - Dementia: A Global Approach

Edited by Ennapadam S. Krishnamoorthy, Martin J. Prince and Jeffrey L. Cummings

Frontmatter

[More information](#)

Contents

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>8B Non-pharmacological approaches: patient-centered approaches 117
S. Kalyanasundaram</p> <p>9 The clinical approach to the person with dementia 123</p> <p>9A Peru (South America) 123
Mariella Guerra</p> <p>9B Nigeria 127
Richard Uwakwe</p> <p>9C Australia 131
David Ames and Eleanor Flynn</p> <p>9D The United States of America 137
Jeffrey L. Cummings</p> <p>9E Japan 141
Akira Homma</p> <p>9F China 147
Joshua Tsoh, Helen Chiu, and Xin Yu</p> | <p>10 Raising global awareness: the role of non-governmental organizations 153</p> <p>10A Alzheimer's Disease International 153
Marc Wortmann</p> <p>10B Perspectives from a developing nation 159
Jacob Roy Kuriakose</p> <p>11 The contribution of cross-cultural research to dementia care and policy: an overview, focusing on the work of the 10/66 Dementia Research Group 163
Martin J. Prince</p> <hr/> <p><i>Further reading</i> 183</p> <p><i>Index</i> 185</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Cambridge University Press

978-0-521-85776-5 - Dementia: A Global Approach

Edited by Ennapadam S. Krishnamoorthy, Martin J. Prince and Jeffrey L. Cummings

Frontmatter

[More information](#)

Contributors

Suvarna Alladi

Department of Neurology, Nizam's Institute of Medical Sciences, Hyderabad, India

Thaddeus Alfonso

The Institute of Neurological Sciences, VHS Hospital, Chennai, India

David Ames

National Ageing Research Institute, Parkville and Academic Unit for Psychiatry of Old Age, University of Melbourne Department of Psychiatry, St George's Hospital, Kew, Victoria, Australia

J. V. Bowler

Department of Neurology, Royal Free Hospital, London, UK

Helen Chiu

Department of Psychiatry, The Chinese University of Hong Kong, Hong Kong Special Administrative Region, China

Jeffrey L. Cummings

Cleveland Clinic Lou Ruvo Center for Neurotherapeutics and Translational Research, Lou Ruvo Center for Brain Health, Neurological Institute of Cleveland Clinic Foundation, Las Vegas, NV, USA

Alan D. Dangour

Nutrition and Public Health Intervention Research Unit, Department of Epidemiology and Population Health, London School of Hygiene & Tropical Medicine, London, UK

Annabel Dodds

Institute of Neurology, University College London, London, UK

Eleanor Flynn

Medical Education Unit, Faculty of Medicine, University of Melbourne, Parkville, Victoria, Australia

Keith Gomez

The Institute of Neurological Sciences, VHS Hospital, Chennai, India

Mariella Guerra

Institute of Psychiatry, De Crespigny Park, London, UK

Kathleen S. Hall

Department of Psychiatry, Indiana University School of Medicine, Indianapolis, IN, USA

Hugh Hendrie

Department of Psychiatry, Indiana School of Medicine, Indianapolis, IN, USA

Kua Ee Heok

Department of Psychological Medicine, National University of Singapore, Singapore

Akira Homma

Center for Dementia Care Research in Tokyo, Tokyo, Japan

Vijayan Joy

National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore, India

S. Kalyanasundaram

The Richmond Fellowship Society, Bangalore, India

Ennapadam S. Krishnamoorthy

The Institute of Neurological Sciences, VHS Hospital, Chennai, India

Cambridge University Press

978-0-521-85776-5 - Dementia: A Global Approach

Edited by Ennapadam S. Krishnamoorthy, Martin J. Prince and Jeffrey L. Cummings

Frontmatter

[More information](#)

List of contributors

Julia Lane

Bloomfield Hospital, Orange, Australia

Demetris Pillas

Imperial College London and ESRC
International Centre for Life Course Studies in
Society and Health, London, UK

Martin J. Prince

Institute of Psychiatry, De Crespigny Park,
London, UK

Sadanand Rajkumar

Rural Clinical School, University of Sydney,
Orange, Australia

Seethalakshmi Ramanathan

Department of Psychiatry, KEM Hospital,
Mumbai, India

Jacob Roy Kuriakose

Alzheimer's Related Disorders Society of India,
Kunnankulam, Kerala, India

P. Satishchandra

National Institute of Mental Health and
Neurosciences (NIMHANS), Bangalore, India

Caroline Selai

University College London – Institute of
Neurology, National Hospital for Neurology
and Neurosurgery, London, UK

Vorapun Senanarong

Division of Neurology, Department of
Medicine, Faculty of Medicine Siriraj Hospital,
Mahidol University, Bangkok, Thailand

R. Stewart

King's College London (Institute of Psychiatry),
De Crespigny Park, London, UK

Joshua Tsoh

Department of Psychiatry, The Chinese
University of Hong Kong, Hong Kong Special
Administrative Region, China

Ricardo Uauy

Nutrition and Public Health Intervention
Research Unit, Department of Epidemiology
and Population Health, London School of
Hygiene & Tropical Medicine, London, UK

Richard Uwakwe

Faculty of Medicine, Nnamdi Azikiwe
University, Nigeria

Marc Wortmann

Alzheimer's Disease International, London,
UK

Xin Yu

Institute of Mental Health, Peking University,
Beijing, China