

VOLUME 19 NUMBER 3 JUNE, 2021

Palliative & Supportive Care

CAMBRIDGE
UNIVERSITY PRESS

Palliative & Supportive Care

Editor-in-Chief

William Breitbart, M.D.
Memorial Sloan Kettering Cancer Center
Department of Psychiatry & Behavioral Sciences
641 Lexington Avenue, 7th Floor
New York, NY 10022
Phone: (646) 888-0020
Fax: (212) 888-2356
E-mail: breitbart@mskcc.org

Managing Editor

Theresa Carpenter, B.S.
Memorial Sloan Kettering Cancer Center
Department of Psychiatry & Behavioral Sciences
641 Lexington Avenue, 7th Floor
New York, NY 10022
Phone: (646) 888-0056
Fax: (212) 888-2356
E-mail: carpentt@mskcc.org

Associate Editors

Allison Applebaum, Ph.D., *Memorial Sloan Kettering Cancer Center, USA*
Gian Domenico Borasio, M.D., *Centre Hospitalier Universitaire Vaudois (CHUV), Switzerland*
Harvey Chochinov, M.D., *University of Manitoba, Canada*
Juhee Cho, Ph.D., *SAIHST, Sungkyunkwan University, South Korea*

Gil Goldezwieg, Ph.D., *The Academic College of Tel Aviv-Yaffo, Tel Aviv, Israel*
Mayumi Ishida, CP, Ph.D., *Saitama Medical University International Medical Center, Japan*
Matthew Loscalzo, M.D., *City of Hope – Department of Supportive Care Medicine / Sheri & Les Biller Patient and Family Resource Center, USA*

Editorial Board

Tatsuo Akechi, M.D., *Nagoya City University, Japan*
Yesne Alici, M.D., *Memorial Sloan Kettering Cancer Center, USA*
Eduardo Bruera, MD *Anderson Cancer Center, USA*
Phyllis Butow, Ph.D., *University of Sydney, Australia*
Maria E. Carlsson, *Uppsala University, Sweden*
Nathan I. Chorney, *Shaare Zedek Medical Center, Israel*
Nessa Coyle, *Memorial Sloan Kettering Cancer Center, USA*
Albert Diefenbacher, *Evangelische Krankenhaus Königin Elisabeth Herzberge, Germany*
Sylvie Dolbeault, *Institut Curie, France*
Martin Fegg, M.D., *University of Munich, Germany*
Richard Fielding, Ph.D., *University of Hong Kong, Hong Kong*
Linda Ganzini, *Oregon Health & Science University, USA*
Francisco Gil, M.D., *Catalan Institute of Oncology, Spain*

Paul Glare, M.D., *University of Sydney, Australia*
Xavier Gómez-Batiste, M.D., Ph.D., *Catalan Institute of Oncology, Spain*
Luigi Grassi, M.D., *University of Ferrara, Italy*
Stein Kaasa, *Norwegian University of Science and Technology, Norway*
Brian Kelly, *The University of Newcastle, Australia*
David Kissane, M.D., *Monash University, Australia*
Mark Lazenby, RN, *Yale University, USA*
Virginia Lee, RN, Ph.D., *McGill University, Canada*
Madeline Li, M.D., *University of Toronto, Canada*
Wendy Lichtenthal, Ph.D., *Memorial Sloan Kettering Cancer Center, USA*
Anja Mehnart, Ph.D., *University of Leipzig, Germany*
Lisa Miller, *9 Tralee Road, Floreat, Western Australia*
Tatsuya Morita, M.D., *Seirei Mikatabara General Hospital, Japan*
Patricia Parker, Ph.D., *Memorial Sloan Kettering Cancer Center, USA*
Holly Prigerson, Ph.D., *Cornell University, USA*

Christina Pulchalski, M.D., *George Washington University, USA*
Michel Reich, *Centre Oscar Lambret, France*
Carla Ripamonti, M.D., *Istituto di Tumori, Italy*
Barry Rosenfeld, Ph.D., *Fordham University, USA*
Tone Rustoen, RN, Ph.D., *Oslo University College, Norway*
Frederic Stiefel, M.D., *University of Lausanne, Switzerland*
Lilli Tang, M.D., *Central South University, China*
Luzia Travado, Ph.D., *Champalimaud Clinical and Research Center, Portugal*
James Tulskey, M.D., *Dana-Farber Cancer Institute, USA*
Yosuke Uchitomi, M.D., *National Cancer Center, Japan*
Alan Valentine, M.D., *University of Texas, USA*
Maggie Watson, Ph.D., *The Royal Marsden Hospital, UK*
Lori Weiner, Ph.D., *National Cancer Institute, USA*

Emeritus

Lea Baider, *Sharet Institute of Oncology, Israel*
Susan Block, *Dana-Farber Cancer Institute, USA*
Irene Higginson, *King's College London, UK*
Paul Jacobsen, Ph.D., *National Cancer Institute, USA*

Professor Uwe Koch, *University Hospital at Hamburg-Eppendorf, Germany*
Neil MacDonald, *McGill University, Canada*

Palliative & Supportive Care (ISSN: 1478-9515) is a bimonthly international journal of palliative medicine that focuses on the psychiatric, psychosocial, spiritual, existential, ethical, and philosophical aspects of palliative care. The journal's aim is to serve as an educational resource for practitioners from a wide array of disciplines engaged in the delivery of care to those with life threatening illnesses along the entire continuum of care from diagnosis to the end of life.

© **Cambridge University Press, 2021**. All rights reserved. No part of this publication may be reproduced, in any form or by any means, electronic, photocopying, or otherwise, without permission in writing from Cambridge University Press. For further information see <http://us.cambridge.org/formation/rights/> or <http://www.cambridge.org/uk/information/rights/>. Authorization to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by Cambridge University Press, provided that the appropriate fee is paid directly to Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA (Telephone: (508) 750-8400), stating the ISSN (1478-9515/15 \$20.00), the volume, and the first and last page numbers of each article copied. The copyright owner's consent does not include copying for general distribution, promotion, new works, or resale. Ad sales: contact M. J. Mrvica Associates, 2 West Taunton Avenue, Berlin, NJ 08009; Phone: 856-768-9360; Fax: 856-753-0064; E-mail: mjmrvica@mrvica.com.

2021 Subscription Rates: **Palliative & Supportive Care** is published in February, April, June, August, October, and December by Cambridge University Press, One Liberty Plaza, New York, NY 10006, USA / Cambridge University Press, University Printing House, Shaftesbury Road, Cambridge CB2 8BS, UK. Institutions electronic only: US \$667.00 in the USA, Canada, and Mexico; UK £386.00 + VAT elsewhere. Individuals electronic only: US \$380.00 in the USA, Canada, and Mexico; UK £210.00 + VAT elsewhere. Subscribers in the USA, Canada, and Mexico should send their orders, with payment in US dollars or the equivalent value in Canadian dollars to: Cambridge University Press, Journals Customer Services Department, One Liberty Plaza, New York, NY 10006, USA. Orders may be phoned direct (toll free): (800) 872-7423. E-mail: subscriptions_newyork@cambridge.org. Subscribers elsewhere should send their orders with payment in sterling to: Journals Customer Services Department Cambridge University Press, University Printing House, Shaftesbury Road, Cambridge, CB2 8BS, United Kingdom. Telephone: +44 (0) 1223 326070. E-mail: journals@cambridge.org.

Abstracted and indexed in the following: CINAHL database; Cumulative Index to Nursing and Allied Health Literature; MEDLINE

Change of address: Allow six weeks for all changes to become effective. All communication should include both old and new addresses (with postal codes) and should be accompanied by a mailing label from a recent issue.

Editorial Office: William Breitbart, Editor-in-Chief, Memorial Sloan Kettering Cancer Center, Department of Psychiatry and Behavioral Sciences, 641 Lexington Avenue, New York, NY 10022, USA. Telephone: (646) 888-0020. Fax: (212) 888-2356. E-mail: breitbart@mskcc.org.

Office of Publication: Cambridge University Press, One Liberty Plaza, New York, NY 10006, USA: Telephone: (212) 337-5000. Fax: (212) 337-5959.

Printed in the United States of America on acid-free paper.

CONTENTS

Editorial

- SOENKE BOETTGER AND WILLIAM BREITBART 267 Delirium in supportive and palliative care

Original Articles

- SILVANA KNOEPFEL, LEONIE BODE, SAMUEL GEHRKE, TOBIAS SPILLER, SIMON FUCHS, JUTTA ERNST, ROLAND VON KÄNEL AND SOENKE BOETTGER 268 Delirium at the end of life
- ANNINA SEILER, DAVID BLUM, CAROLINE HERTLER, MARKUS SCHETTLE, CARL MORITZ ZIPSER, LEONIE BODE, SAMUEL GEHRKE, JUTTA ERNST, MARIA SCHUBERT, ROLAND VON KÄNEL AND SOENKE BOETTGER 274 Death in delirious palliative-care patients occurs irrespective of age: A prospective, observational cohort study of 229 delirious palliative-care patients
- KELLY LASTRAPES, MALISA DANG, J. BRIAN CASSEL, TAMARA ORR, TRACYE PROFFITT AND EGIDIO DEL FABBRO 283 Delirium documentation in hospitalized pediatric patients with cancer
- MEGUMI UCHIDA, TATSUO AKECHI, TATSUYA MORITA, YASUO SHIMA, NAOKO IGARASHI, MITSUNORI MIYASHITA AND J-HOPE GROUP 287 Development and validation of the Terminal Delirium-Related Distress Scale to assess irreversible terminal delirium
- ANNINA SEILER, DAVID BLUM, JEREMY WERNER DEUEL, CAROLINE HERTLER, MARKUS SCHETTLE, CARL MORITZ ZIPSER, JUTTA ERNST, MARIA SCHUBERT, ROLAND VON KÄNEL AND SOENKE BOETTGER 294 Delirium is associated with an increased morbidity and in-hospital mortality in cancer patients: Results from a prospective cohort study
- FELICITY MOON, DAVID W. KISSANE AND FIONA MCDERMOTT 304 Discordance between the perceptions of clinicians and families about end-of-life trajectories in hospitalized dementia patients
- DANIEL C. MCFARLAND, LEAH E. WALSH, REBECCA SARACINO, CHRISTIAN J. NELSON, WILLIAM BREITBART AND BARRY ROSENFELD 312 The Sickness Behavior Inventory-Revised: Sickness behavior and its associations with depression and inflammation in patients with metastatic lung cancer
- DANETTA HENDRICKS SLOAN, TAMRYN F. GRAY, DARRIEL HARRIS, THEODORA PETERS, ANNE BELCHER, REBECCA ASLAKSON AND JANICE BOWIE 322 Church leaders and parishioners speak out about the role of the church in advance care planning and end-of-life care
- LAURA J. QUILLEN, NANCY A. BORSTELMANN, KATE E. STANTON, COURTNEY A. NELSON, STEPHANIE A. CHIEN, SAVANNAH M. BOWERS, CATHERINE L. SWIFT, YULISSA GONZALEZ, SAMANTHA M. YI AND ELIZA M. PARK 329 Addressing the needs of parents with advanced cancer: Attitudes, practice behaviors, and training experiences of oncology social workers
- DELICIA PRUITT, KIRSTEN WEBER AND NELI RAGINA 335 Teaching end-of-life preparation to African Americans
- HIROKO OKADA, SAYAKA TAKENOCHI, TSUYOSHI OKUHARA, HARUKA UENO AND TAKAHIRO KIUCHI 341 Development of a Japanese version of the Advance Care Planning Engagement Survey: Examination of its reliability and validity

Review Articles

- LILLIAN PONCHIO E SILVA MARCHI, MARTINS FIDELES DOS SANTOS NETO, JÚLIA DE PAULI MORAES, CARLOS EDUARDO PAIVA AND BIANCA SAKAMOTO RIBEIRO PAIVA 348 Influence of advance directives on reducing aggressive measures during end-of-life cancer care: A systematic review
- MATHEW NYASHANU, DEBORAH IKHILE AND FARAI PFENDE 355 Exploring the efficacy of music in palliative care: A scoping review
- HUDA ANSHASI AND MUAYYAD AHMAD 361 Cancer-related fatigue: Systematic reviews and meta-analyses of mind–body intervention
- JOEL VOS 367 Cardiovascular disease and meaning in life: A systematic literature review and conceptual model
- MAYUMI ISHIDA, RYO TAGUCHI, HIROZO SAKAGUCHI, KUMI ITAMI, AKIRA YOSHIOKA, IZUMI SATO, NOZOMU UCHIDA AND HIDEKI ONISHI 377 Reversible dementia due to vitamin B12 deficiency in a lung cancer patient: Relevance of preoperative evaluation

Case Report

Essay/Personal Reflection

- MIGUEL JULIÃO, MATÍAS NAJÚN AND ANA BRAGANÇA 380 Recovering *the astonishment*: In palliative care, medicine, and life
- HENRY BAIR 382 An arc of life
- FRANK E. MOTT, EDUARDO BRUERA AND FAYE JOHNSON 384 End-of-life and goals of care discussions with cancer patients in the coronavirus pandemic
- CAROLINE H. LEE 386 Filial piety, social apathy, and my grandfather's life
- CÉLINE BOURQUIN, FRIEDRICH STIEFEL, PIERRE-YVES RYSER, ETIENNE ROCHAT AND MICHAEL SARAGA 388 A new kid on the block? The spiritual practitioner in the modern hospital

Poetry

- PAUL ROUSSEAU 390 The wound too freshly stitched
- CHRISTINE L. XU 391 Awakening

Corrigendum

- ANNINA SEILER, DAVID BLUM, CAROLINE HERTLER, MARKUS SCHETTLE, CARL MORITZ ZIPSER, LEONIE BODE, SAMUEL GEHRKE, JUTTA ERNST, MARIA SCHUBERT, ROLAND VON KÄNEL AND SOENKE BOETTGER 393 Death in delirious palliative-care patients occurs irrespective of age: A prospective, observational cohort study of 229 delirious palliative-care patients – CORRIGENDUM