

VOLUME 25 - ISSUE 2

April 2020

ISSN: 1092-8529



journals.cambridge.org/cns

CNS SPECTRUMS

EDITOR-IN-CHIEF: **STEPHEN M. STAHL**

 THE JOURNAL OF THE
**Neuroscience
Education Institute**

 **CAMBRIDGE
UNIVERSITY PRESS**

Stahl's Illustrated

Complete your collection at cambridge.org/stahlsillustrated



CNS SPECTRUMS

CONTENTS

EDITORIAL

Balancing the pendulum: rethinking the role of institutionalization in the treatment of serious mental illness

Katherine Warburton and Stephen M. Stahl 115

PERSPECTIVES

Forensic psychiatry and mental health in Australia: an overview

Andrew Ellis 119

The indistinguishables: determining appropriate environments for justice involved individuals

Sean E. Evans and Shannon M. Bader 122

REVIEW ARTICLES

Dopamine antagonist antipsychotics in diverted forensic populations

Michael A. Cummings, George J. Proctor and Ai-Li W. Arias 128

Monitoring and improving antipsychotic adherence in outpatient forensic diversion programs

Jonathan M. Meyer 136

Neurocognition and social cognition training as treatments for violence and aggression in people with severe mental illness

Mackenzie T. Jones and Philip D. Harvey 145

Tipping the scales of justice: the role of forensic evaluations in the criminalization of mental illness

Katherine E. McCallum and W. Neil Gowensmith 154

Competence to stand trial and criminalization: an overview of the research

Amanda Beltrani and Patricia A. Zapf 161

Deinstitutionalization and other factors in the criminalization of persons with serious mental illness and how it is being addressed

H. Richard Lamb and Linda E. Weinberger 173

Decriminalizing mental illness: specialized policing responses

Charles Dempsey, Cameron Quanbeck, Clarissa Bush and Kelly Kruger 181

ORIGINAL RESEARCH

Forensic patients in state psychiatric hospitals: 1999–2016

Amanda Wik, Vera Hollen and William H. Fisher 196

REVIEW ARTICLE

Pharmacological treatment of violence in schizophrenia

Martin T. Strassnig, Vanessa Nascimento, Elizabeth Deckler and Philip D. Harvey 207

ORIGINAL RESEARCH

Breaking down long-term chronic aggression within a forensic hospital system

Benjamin Rose, Charles Broderick, Darci Delgado, Rebekah Kornbluh and Stephen M. Stahl 216

A longitudinal description of incompetent to stand trial admissions to a state hospital

Barbara E. McDermott, Katherine Warburton and Chloe Auletta-Young 223

REVIEW ARTICLE

Criminogenic risk and mental health: a complicated relationship

Robert D. Morgan, Faith Scanlon and Stephanie A. Van Horn 237

ORIGINAL RESEARCH

A survey of national trends in psychiatric patients found incompetent to stand trial: reasons for the reinstitutionalization of people with serious mental illness in the United States

Katherine Warburton, Barbara E. McDermott, Anthony Gale and Stephen M. Stahl 245

REVIEW ARTICLE

Risk factors for recidivism in individuals receiving community sentences: a systematic review and meta-analysis

Denis Yuhnenko, Nigel Blackwood and Seena Fazel 252

ABSTRACTS

The following abstracts were presented as posters at the 2019 NEI Congress

265

Editor-in-Chief

Stephen M. Stahl, Adjunct Professor of Psychiatry at the University of California San Diego, USA;
Honorary Visiting Senior Fellow at the University of Cambridge, UK.

Field Editors

Bernardo Dell'Ossso, University of Milan, Italy
Kostas N. Fountoulakis, Aristotle University of Thessaloniki, Greece
Joseph F. Goldberg, Icahn School of Medicine at Mount Sinai, USA
Donatella Marazziti, University of Pisa, Italy
Humberto Nicolini, National Institutes of Health, Minister of Health, Mexico
Stefano Pallanti, University of Florence, Italy
Thomas E. Schlaepfer, University Hospital Bonn, Germany
Frank I. Tarazi, Harvard Medical School, USA
Carlos A. Zarate, National Institute of Mental Health, USA

Deputy Editor

Thomas L. Schwartz, SUNY Upstate Medical University at Syracuse, USA

Editorial Board

Leslie Citrome, New York Medical College, USA
Christoph U. Correll, Hofstra Northwell School of Medicine, USA
Maria Conceição do Rosario, University of São Paulo Medical School, Brazil
Jeffrey L. Cummings, Cleveland Clinic, USA
Thilo Deckersbach, Harvard Medical School, USA
Bernardo Dell'Ossso, University of Milan, Italy
Koen Demyttenaere, University Psychiatric Center KuLeuven, Belgium
Karen D. Ersche, University of Cambridge, UK
Nesrin Dilbaz, Üsküdar University NP Brain Hospital, İstanbul
Gianni Faedda, The Mood Disorders Center of New York, USA
Robert L. Findling, Virginia Commonwealth University, USA
Patrick R. Finley, University of California, San Francisco, USA
Kostas N. Fountoulakis, Aristotle University of Thessaloniki, Greece
Mark S. George, Medical University of South Carolina, USA
Ira D. Glick, Stanford University, USA
Joseph F. Goldberg, Icahn School of Medicine at Mount Sinai, USA
Jon Grant, University of Chicago, USA
Gregor Hasler, University of Berne, Switzerland
Eric Hollander, Albert Einstein College of Medicine and Montefiore Medical Center, USA
Daphne Holt, Harvard Medical School, USA
Oliver Howes, King's College, London, UK
Peter B. Jones, University of Cambridge, UK
Andres M. Kanner, University of Miami, USA
Antony D. Loebel, New York University School of Medicine, USA
Donatella Marazziti, University of Pisa, Italy
Roger McIntyre, University of Toronto, Canada
Herbert Y. Meltzer, Northwestern University, USA
Philip Mitchell, University of New South Wales, Australia
Mary Moller, Pacific Lutheran University and Northwest Integrated Health, USA
Mark Muse, Muse Psychological Associates, USA
Humberto Nicolini, National Institutes of Health, Minister of Health, México
Andrew A. Nierenberg, Harvard Medical School, USA
Stefano Pallanti, University of Florence, Italy
Katharine A. Phillips, Weill Cornell Medical College, USA
Diego A. Pizzagalli, Harvard Medical School, USA
Mark H. Pollack, Rush University Medical Center, USA
Mark H. Rapaport, Emory University, USA
Irismar Reis de Oliveira, Universidade Federal da Bahia, Brazil
Trevor W. Robbins, University of Cambridge, UK
Peter P. Roy-Byrne, University of Washington School of Medicine, USA
Barbara J. Sahakian, University of Cambridge, UK
Gerard Sanacora, Yale University School of Medicine, USA
Alan F. Schatzberg, Stanford University School of Medicine, USA
Thomas E. Schlaepfer, University of Bonn, Germany
Thomas L. Schwartz, SUNY Upstate Medical University in Syracuse, USA
Erich Seifritz, University of Zürich, Switzerland
Jordan W. Smoller, Harvard Medical School, USA
Dan J. Stein, University of Cape Town (UCT), South Africa
Stephen Strakowski, University of Texas at Austin, USA
T. Scott Stroup, Columbia University, USA
Frank I. Tarazi, Harvard Medical School, USA
Michael E. Thase, University of Pennsylvania, USA
Michael Trimble, National Hospital for Neurology, Queen Square, London
Madhukar H. Trivedi, University of Texas Southwestern Medical Center, USA
Hiroyuki Uchida, Keio University School of Medicine, Japan
Susan Velasquez, California Department of State Hospitals, USA
Benedetto Vitiello, University of Turin, Italy
Karen Dineen Wagner, The University of Texas Medical Branch, USA
Katherine D. Warburton, California Department of State Hospitals, USA
Stephen R. Wisniewski, University of Pittsburgh, USA
Carlos A. Zarate, Jr., National Institute of Mental Health, USA
Joseph Zohar, Tel Aviv University, Israel

Managing Editor

Lisa Arrington, Cambridge University Press (larrington@cambridge.org)

Aims and Scope

CNS Spectrums covers all aspects of the clinical neurosciences, neurotherapeutics and neuropsychopharmacology, particularly those pertinent to the clinician and clinical investigator. The journal features focused, in-depth reviews, perspectives and original research articles. New therapeutics of all types in psychiatry, mental health, and neurology are emphasized, especially first in man studies, proof of concept studies and translational basic neuroscience studies. Subject coverage spans the full spectrum of neuropsychiatry, focusing on those crossing traditional boundaries between neurology and psychiatry.

Submitting Manuscripts to *CNS Spectrums*

All submissions to *CNS Spectrums* should be prepared in accordance with the instructions for authors and in the style of the Journal. Manuscripts should be submitted through the dedicated *CNS Spectrums* ScholarOne Manuscripts website: <http://mc.manuscriptcentral.com/cnsspectr>

CNS Spectrums will consider and encourage the following types of articles for publication: **Reviews**—The review article is a comprehensive article summarizing and synthesizing the literature on various topics presented in a scholarly and clinically relevant fashion; **Perspectives**—The perspective article is a type of review that is a short, focused summary of a single recent advance, a sort of spotlight on the topic, which could be for example, a single point hypothesis or a novel model. It can stimulate debate and new research. **Meta-guidelines**—A meta-guideline is a “guideline of guidelines” put together by several leading figures in a field in which there are multiple competing guidelines that require synthesis and updating; **Original Research**—Reports the results of a clinical study and contains original research; the journal will also include **Brainstorms** and **Editorials** that shall be commissioned or written by the Editor-in-Chief.

Instructions for Contributors

The Instructions for Contributors are available on the Cambridge Journals Online web site at: <http://journals.cambridge.org/CNSifc>

Indexing

CNS Spectrums is indexed by *Index Medicus*/MEDLINE and Web of Science (Thomson Reuters) as well as appearing in the annual Journal Citation Report. Introduced in 1996, the journal was acquired in whole by Cambridge University Press in November of 2011.

Subscriptions

Institutional print and electronic: £574/\$910; Institutional electronic only: £436/\$697.

© Cambridge University Press 2020. 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. Policies, request forms, and contacts are available at: <http://www.cambridge.org/rights/permissions/permission.htm>. Permission to copy (for users in the U.S.A.) is available from Copyright Clearance Center <http://www.copyright.com>, email: info@copyright.com.

Rights & permissions requests can be applied for online within each article by clicking “Request Permissions” within the table of contents or in the fulltext version of a specific article. Requests will be processed via the CCC Rightslink system and processed immediately.

CNS Spectrums (ISSN: Print 1092-8529; eISSN: 2165-6509) is published bimonthly by Cambridge University Press.

Postmaster

Send address changes in the U.S.A., Canada, and Mexico to *CNS Spectrums*, Cambridge University Press, Journals Dept., One Liberty Plaza, 20th Floor, New York, NY 10006, U.S.A. Send address changes elsewhere to *CNS Spectrums*, Cambridge University Press, University Printing House, Shaftesbury Road, Cambridge CB2 8BS, England.

Online availability

CNS Spectrums is hosted on the Cambridge Core service at cambridge.org/cns

Institutional subscribers: Access to full-text articles online is only granted to subscription options offering an online component. Subscriptions must be activated by the purchasing institution using the instructions provided at the time of purchase; see information for subscribers at: <http://journals.cambridge.org/>

Reprint and Advertising Sales

Inquiries for bulk reprint sales should be sent to USReprints@cambridge.org. Advertising inquiries should be sent to M. J. Mrvica Associates, Inc., 2 West Taunton Avenue, Berlin, NJ 08009; Phone: 856-768-9360; Fax: 856-753-0064; Email: mjmrvica@mrvica.com.