### VOLUME 27 - ISSUE 4

August 2022 ISSN: 1092-8529

# CNS SPECTRUMS

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



CAMBRIDGE UNIVERSITY PRESS

# Stahl's Illustrated

# Complete your collection at cambridge.org/stahlsillustrated





**CAMBRIDGE** UNIVERSITY PRESS

# CNS SPECTRUMS

### CONTENTS

LETTER TO THE EDITOR A difficult case of satyriasis in an adolescent responding ultimately to a combination of paliperidone palmitate and naltrexone	383	Autism spectrum in patients with schizophrenia: correlation with real-life functioning, resilience, and coping styles Liliana Dell'Osso, Barbara Carpita, Ivan Mirko Cremone, Camilla Gesi, Arcangelo D'Ermo, Giovanni De Iorio, Gabriele Massimetti, Eugenio Aguglia, Paola Bucci, Bernardo Carpiniello, Andrea Fagiolini, Rita Roncone, Alberto Siracusano, Antonio Vita, Claudia Carmassi, Mario Maj, and The Italian Network for Research on Psychoses	n <b>s</b> 457
Ahmed Naguy, Saxby Pridmore, Seshni Moodliar-Rensburg, and Bibi Alamiri REVIEWS Pharmacological interventions to reduce violence in patients with schizophrenia in forensic psychiatry Andreas Reisegger, Rudolf Slamanig, Hildegard Winkler, Giovanni de Girolamo, Giuseppe Carrà, Cristina Crocamo, Pawel Gosek, Janusz Heitzman, Hans Joachim Salize,	386	Intelligence decline across major depressive disorder, bipolar disorder, and schizophrenia Kazutaka Ohi, Kentaro Takai, Shunsuke Sugiyama, Hiromi Kitagawa, Yuzuru Kataoka, Midori Soda, Kiyoyuki Kitaichi, Yasuhiro Kawasaki, Munechika Ito, and Toshiki Shioiri Neurochemistry of response inhibition and interference in gambling disorder: a preliminary study of γ-aminobutyric	468
Marco Picchioni, and Johannes Wancata <b>Management of cognitive impairment in bipolar disorder:</b> <b>a systematic review of randomized controlled trials</b> Jocelyn K. Tamura, Isabelle P. Carvalho, Lui M. W. Leanna, Jia Nuo Feng, Joshua D. Rosenblat, Rodrigo Mansur, Yena Lee, Danielle S. Cha, Kayla Teopiz, Zara Ahmad, Flora Nasri, Jiin Kim, and Roger S. McIntyre	388 399	acid (GABA+) and glutamate–glutamine (GIx) Kathrin Weidacker, Stephen J. Johnston, Paul G. Mullins, Frederic Boy, and Simon Dymond The place of obsessive–compulsive and related disorders in the compulsive–impulsive spectrum: a cluster-analytic study Leonardo F. Fontenelle, Louise Destrée, Mary-Ellen Brierley,	475
Early onset obsessive-compulsive disorder: the biological and clinical phenotype Giacomo Grassi, Chiara Cecchelli, Gloria Mazzocato, and Luisa Vignozzi	421	Emma M. Thompson, Murat Yücel, Rico Lee, Lucy Albertella, and Sam R. Chamberlain Pharmacologic interventions for antidepressant-induced sexual dysfunction: a systematic review and network	486
Comparative efficacy of pharmacological treatments on measures of self-rated functional outcomes using the Sheehan Disability Scale in patients with major depressive disorder: a systematic review and network meta-analysis Bing Cao, Lu Xu, Yan Chen, Dongfang Wang, Yena Lee, Joshua D. Rosenblat, Xiao Gao, Siyan Zhan, Feng Sun, and Roger S. McIntyre	428	meta-analysis of trials using the Arizona sexual experience scale Marissa J. Luft, Eric T. Dobson, Amir Levine, Paul E. Croarkin, and Jeffrey R. Strawn In (deficit) schizophrenia, a general cognitive decline partly mediates the effects of neuro-immune and neuro-oxidative toxicity on the symptomatome and	496
Systematic review of transdermal treatment options in attention-deficit/hyperactivity disorder: implications for		quality of life Michael Maes and Buranee Kanchanatawan	506
ORIGINAL RESEARCH Using classification and regression tree modeling to investigate appetite hormones and proinflammatory cytokines as biomarkers to differentiate bipolar I depression from major depressive disorder Kai-Lin Huang, Mu-Hong Chen, Ju-Wei Hsu,	437 450	Compulsive buying behavior of Smartphones by university students María Gracia Rodríguez-Brito, María del Carmen Hernández-García, María Carolina Rodríguez-Donate, Margarita Esther Romero-Rodríguez, and Alicia María Darias-Padrón	516
depression from major depressive disorder Kai-Lin Huang, Mu-Hong Chen, Ju-Wei Hsu,	450		

#### CNS Spectrums

Published in association with the Neuroscience Education Institute

https://www.cambridge.org/core/journals/cns-spectrums

Volume 27, Issues 1-6

eISSN: 2165-6509; ISSN: 1092-8529

#### Editor-in-Chief

Stephen M. Stahl, University of California San Diego, USA

#### Field Editors

Bernardo Dell'Osso, University of Milan, Italy 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 of Bonn, Germany Frank I. Tarazi, Harvard Medical School, USA Carlos A. Zarate, Jr., National Institute of Mental Health, USA **Deputy Editor** Thomas L. Schwartz, SUNY Upstate Medical University, USA

#### Editorial Board

Jagannadha Avasarala, University of South Carolina School of Medicine, USA Nicole Ballinger, Aurora Psychiatric Hospital, USA Leslie Citrome, New York Medical College, USA Maria Conceição do Rosario, University of São Paulo Medical School, Brazil Christoph U. Correll, Northwell Health, USA Jeffrey L. Cummings, Cleveland Clinic, USA Saurav Das, University of Kentucky College of Medicine, USA Thilo Deckersbach, Harvard Medical School, USA Koen Demyttenaere, University Psychiatric Center KuLeuven, Belgium Nesrin Dilbaz, Üsküdar University NP Brain Hospital, Turkey Karen D. Ersche, University of Cambridge, UK Gianni Faedda, The Mood Disorders Center of New York, USA Robert L. Findling, The Johns Hopkins Hospital, USA Patrick R. Finley, The University of California, San Francisco, USA Kostas N. Fountoulakis, Aristotle University of Thessaloniki, Greece Raghu Gandhi, University of Minnesota, USA 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 Xenia Gonda, Semmelweis University, Hungary Jon Grant, University of Chicago, USA Gregor Hasler, University of Bern, 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 Humberto Nicolini, National Institutes of Health, Minister of Health, Mexico 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, University of Utah School of Medicine, USA Irismar Reis de Oliveira, Federal University of 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 Manpreet Kaur Singh, Stanford University, USA 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 Madhukar H. Trivedi, University of Texas Southwestern Medical Center, USA John Tully, University of Nottingham, UK Hiroyuki Uchida, Keio University School of Medicine, Japan Susan Velasquez, California Department of State Hospitals, USA Karen Dineen Wagner, The University of Texas Medical Branch, USA Kothoripo D, Waghurtan, Colifornia Department of State Hospitals, 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 (lisa.arrington@cambridge.org)

Information about editors and editorial board members correct as of January 1, 2022. For the latest information please see https://www.cambridge.org/core/journals/cns-spectrums/information/editorial-board

#### Aims & 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.

© Cambridge University Press and Assessment

Published by Cambridge University Press.

**CAMBRIDGE** UNIVERSITY PRESS