



THE PRIMARY CARE COMPANION FOR CNS DISORDERS

VOLUME 25 ■ 2023 ■ PSYCHIATRIST.COM

BOARD OF EDITORS

Editor in Chief

Larry Culpepper, MD, MPH
Boston, MA

Deputy Editor

Pierre N. Tariot, MD
Phoenix, AZ

FOUNDING EDITOR

J. Sloan Manning, MD
Chapel Hill, NC

EDITORIAL BOARD

Robert L. Barkin, MBA, PharmD
Chicago, IL

E. Sherwood Brown, PhD, MD
Dallas, TX

Thomas L. Campbell, MD
Rochester, NY

Caroline Carney-Doebbeling, MD
Indianapolis, IN

Henry Chung, MD
New York, NY

Pamela D. Connor, PhD
Memphis, TN

Frank V. deGruy III, MD
Aurora, CO

Daniel E. Diamond, MD
Seattle, WA

Michael H. Ebert, MD
West Haven, CT

Abimbola Farinde, PharmD
Orange Beach, AL

Bradford L. Felker, MD
Seattle, WA

Kevin S. Ferentz, MD
Baltimore, MD

Robert L. Findling, MD
Baltimore, MD

Radwan F. Haykal, MD
Memphis, TN

Robert M. A. Hirschfeld, MD
New York, NY

W. Clay Jackson, MD, DipTh
Memphis, TN

Ankit Jain, MD
Harrisburg, PA

Taranjeet S. Jolly, MD
Hershey, PA

David A. Katerndahl, MD
San Antonio, TX

Martin B. Keller, MD
Providence, RI

Michael S. Klinkman, MD
Ann Arbor, MI

Kurt Kroenke, MD
Indianapolis, IN

Joseph A. Lieberman III, MD
Wilmington, DE

Frank W. Ling, MD
Germantown, TN

Mack Lipkin, MD
New York, NY

Prakash S. Masand, MD
New York, NY

Robert M. McCarron, DO
Sacramento, CA

C. Brendan Montano, MD
Cromwell, CT

Andrew J. Muzyk, PharmD
Durham, NC

M. Kevin O'Connor, MD
Newark, NJ

Mark H. Pollack, MD
Chicago, IL

Jeffrey Rado, MD
Chicago, IL

Sarah K. Rivelli, MD
Durham, NC

A. John Rush, Jr, MD
Singapore

Dean Schuyler, MD
Charleston, SC

Thomas L. Schwenk, MD
Reno, NV

Theodore A. Stern, MD
Boston, MA

Jeff Susman, MD
Cincinnati, OH

Nhi-Ha Trinh, MD, MPH
Boston, MA

André Tylee, MD
London, England

L. Lee Tynes, MD, PhD
New Orleans, LA

Sumer Verma, MD
Belmont, MA

Karen D. Wagner, MD, PhD
Galveston, TX

Risa B. Weisberg, PhD
Providence, RI

John W. Williams, Jr, MD
Durham, NC

Christian G. Wolff, MD
Cornelius, NC

Edward Workman, MD
Knoxville, TN

Lawson R. Wulsin, MD
Cincinnati, OH

Glen L. Xiong, MD
Sacramento, CA

PUBLICATION STAFF

Publisher
John S. Shelton, PhD

Founding Publisher 1978–2005
Irving Shelton

Chief Innovation Officer
Sean T. Moloney

Chief Operating Officer
Lauren Wiegand

Chief Marketing Officer
Brandi Koskie

Permissions Editor
Maureen Bunner-Hunsucker

Director of Editorial Services
Kathryn Hedges, MA, ELS

Managing Editor
Sallie L. Gatlin, MA

Publications Manager
Anna Kwapien

Production Manager
Diana L. Hardin

Layout and Senior Editor
David M. Twombly, MA, ELS

Director of Digital
and Print Production
Sara G. Amelang

Digital and Print Production
Senior Associate
Hartwell T. Crim

Digital and Print Production
Associates
Michael Harrison
Mark A. Kledzik

Director of Circulation
Sharon Landers

CME INSTITUTE STAFF

Medical Director
Paul King, MD

Managing Director
Kurt Kleefeld

Senior Director
Michael Platania

Senior Project Manager
Bradley Hobbs, MEd



THE PRIMARY CARE COMPANION FOR CNS DISORDERS

VOLUME 25 ■ 2023 ■ PSYCHIATRIST.COM

MISSION STATEMENT

Our primary mission is to provide lifelong learning for clinicians through evidence-based, peer-reviewed scientific information about the diagnosis and treatment of behavioral health and neuropsychiatric disorders.

GENERAL

The Primary Care Companion for CNS Disorders (PCC) (online ISSN 2155-7780; print ISSN 2155-7772) is an online journal published by Physicians Postgraduate Press, Inc. (PPP), PO Box 752870, Memphis, TN 38175-2870.

EDITORIAL

Manuscript Submission

All manuscript types and letters to the editor should be submitted electronically at www.psychiatrist.com/information-for-authors-pcc.

The Primary Care Companion email: PCCeditorial@psychiatrist.com
PO Box 752870
Memphis, TN 38175-2870, USA

INFORMATION FOR AUTHORS

Available at www.psychiatrist.com/information-for-authors-pcc.

INDEXING

PCC is indexed in MEDLINE/PubMed and by all major indexing services.

COPYRIGHT/FINANCIAL DISCLOSURE

PCC requires the express transfer of copyright to PPP so that the author(s) and PPP are protected from misuse of copyrighted material. Each author must sign and submit the required Author Form pertaining to authorship, copyright transfer, financial disclosure, and acknowledgment permission available at www.psychiatrist.com/PCC/documents/pccinfoform.pdf. (Exceptions will be made for articles for which their funders or institutions require open access and for works created by federal employees in the course of their employment.)

ADVERTISING

Principles:

Online advertising appears in multiple locations throughout Psychiatrist.com. Ads rotate, appearing randomly within the site's pages. All advertising is clearly labeled as such.

Contacts:

- For online ads posted either on the journal's website or in an email, email ads@psychiatrist.com.
- For customized outreach and distribution packages, email custompublications@psychiatrist.com.

Electronic Advertising Specifications:

Available online at Psychiatrist.com/Advertisers.

Disclaimer:

Acceptance and placement of any and all advertising for this publication, Psychiatrist.com, or any other material published by PPP does not imply endorsement by PPP.

EMBARGO

Articles are embargoed until they are published online at Psychiatrist.com.

Contact PCCembargo@psychiatrist.com.

CIRCULATION

Article Copies and Back Issues

Single copies of back issues through Volume 11, Issue 4, 2009, can be purchased by contacting our Circulation Department at orders@psychiatrist.com.

Individual articles can be purchased through our website Psychiatrist.com.

Multiple copies of articles and reprints may be purchased by contacting our Reprints Editor at reprints@psychiatrist.com.

PERMISSIONS REQUESTS

All editorial material published in PCC is the property of PPP unless specifically stated. Requests for permission to publish may be emailed to permissions@psychiatrist.com.

- Permission will not be granted until the article has been published in PCC.
- Permission is not granted to place the full text of PCC articles on other websites.

Information Required for a Permissions Request

1. Requestor's Information:
 - Person's name, title, address, telephone, fax, and email (if available)
 - Company's name and postal address
2. Article Information:
 - Article title
 - First bylined author
 - Volume number and issue dates
 - Page range of article
 - The copyrighted item to be used from the article, ie, the specific chart, table, figure, graph, or other illustration, abstract, quote, or full article
3. Intended Use of the Requested Item:
 - Title of the work in which the item is to appear
 - Author/editor/compiler
 - Publisher, with full address
 - Edition number
 - Publication year
 - Approximate press run of work
 - Form of reproduction (print, online, language)
 - Sponsorship, funding, or retail price (if a book)
 - Intended audience(s)

DISCLAIMER

This journal is owned and published by Physicians Postgraduate Press, Inc., PO Box 752870, Memphis, TN 38175-2870. All materials published in the journal represent the opinions of the authors and do not necessarily reflect the official policy or opinions of PPP or the institution with which the author is affiliated, unless this is clearly specified. PPP disclaims any liability to any party for the accuracy, completeness, or availability of any and all PPP publications and other material, or for any damages arising out of the use or nonuse of this publication, and any and all PPP publications (and other material), and any information contained therein.