

Neuroscience Education Institute

Earn CME credits and review essential prescribing information with our apps!



NEI LEARN — for your CME needs

- Unlimited CME credits in mental health
- New activities added regularly
- Multiple learning formats

Download for FREE!



NEI PRESCRIBE — for your point-of-care needs

- 140+ psychiatric medications
- Dedicated Child and Adolescent section
- Continuously updated
- Filter to search for alternative medication options

Download for a FREE 90-day trial!

Get these apps today!

NEI website account (free) required to log in.







VOLUME 25 - ISSUE 3

June 2020 ISSN: 1092-8529

CNS SPECTRUMS

CONTENTS

REVIEW ARTICLES

Comprising a lournals Online			
Addicted to compulsion: assessing three core dimensions of addiction across obsessive-compulsive disorder and gambling disorder Giacomo Grassi, Nikos Makris, and Stefano Pallanti	392	Unconjugated bilirubin and schizophrenia: a systematic review – Corrigendum Erik Pommerening Dornelles, João Gama Marques, and Sílvia Ouakinin	448
Riccardo Zanello, Bernardo Dell'Osso, and Caterina Adele Viganò	380	CORRIGENDUM	
Using network analysis to explore cognitive domains in patients with unipolar versus bipolar depression: a prospective naturalistic study Cesare Galimberti, Monica Francesca Bosi, Valentina Caricasole,		EDITORIAL Toward specific ways to combine ketamine and psychotherapy in treating depression Gregor Hasler	445
with vortioxetine Jean Lachaine, Catherine Beauchemin, Joëlle Bibeau, Julie Patenaude, Pratap Chokka, Jean Proulx, and Joanna Bougie	372	psychopathology: need for improved approaches to deficit detection and intervention Brian C. Kavanaugh, Mary Kathryn Cancilliere, and Anthony Spirito	436
Canadian economic impact of improved workplace productivity in patients with major depressive disorder treated		PERSPECTIVES Neurocognitive heterogeneity across the spectrum of	
randomized, placebo-controlled studies in patients with major depressive disorder Claudio N. Soares, Dalia B. Wajsbrot, and Matthieu Boucher	363	Factors affecting time to resolution of suicidality for depressed patients receiving electroconvulsive therapy Ching-Hua Lin, Wei-Cheng Yang, and Jyh-I Wu	434
Predictors of functional response and remission with desvenlafaxine 50 mg and 100 mg: a pooled analysis of		for the opioid system Jon E. Grant, and Samuel R. Chamberlain LETTER TO THE EDITOR	426
Atul R. Mahableshwarkar, John Affinito, Elin Heldbo Reines, Judith Xu, George Nomikos, and Paula L. Jacobsen	352	Cold pressor pain and gambling disorder: implications	
Suicidal ideation and behavior in adults with major depressive disorder treated with vortioxetine: post hoc pooled analyses of randomized, placebo-controlled, short-term and open-label, long-term extension trials		Ameringen, Eric Hollander, Dan J. Stein, Josè M. Menchon, Carolyr I. Rodriguez, Humberto Nicolini, Nuria Lanzagorta, Stefano Pallanti, Giacomo Grassi, Christine Lochner, Donatella Marazziti, Georgi Hra Oguz Karamustafalioglu, Luchezar Hranov, and Joseph Zohar	
and Marco A. Riva ORIGINAL RESEARCH	343	Bernardo Dell'Osso, Matteo Vismara, Beatrice Benatti, Giovanna Cirnigliaro, Benedetta Grancini, Naomi A. Fineberg, Michael Van	
The role of dopamine D ₃ receptors in the mechanism of action of cariprazine Francesca Calabrese, Frank I. Tarazi, Giorgio Racagni, and Marco A. Riva	343	Lifetime bipolar disorder comorbidity and related clinical characteristics in patients with primary obsessive compulsive disorder: a report from the International College of Obsessive– Compulsive Spectrum Disorders (ICOCS)	
Efficacy and safety of ketamine in the management of anxiety and anxiety spectrum disorders: a review of the literature Michael D. Banov, Jonathan R. Young, Tyler Dunn, and Steven T. Szabo	331	Problematic internet use: an exploration of associations between cognition and COMT rs4818, rs4680 haplotypes Konstantinos Ioannidis, Sarah A. Redden, Stephanie Valle, Samuel R. Chamberlain, and Jon E. Grant	409
Size matters: the importance of particle size in a newly developed injectable formulation for the treatment of schizophrenia Rakesh Jain, Jonathan Meyer, Angela Wehr, Bhaskar Rege, Lisa von Moltke, and Peter J. Weiden	323	Alessandro Di Stefano, Chiara Alcantarini, Cristiana Atzori, Filippo Lipani, Daniele Imperiale, Elisa Burdino, Sabrina Audagnotto Lorenzo Mighetto, Maria Grazia Milia, Giovanni Di Perri, and Andrea Calcagno	9, 402
Size matters: the importance of particle size in a newly		system mections: a retrospective study	

Cerebrospinal fluid biomarkers in patients with central nervous

Cambridge Journals Online For further information about this journal please go to the journal web site at:

journals.cambridge.org/cns

