THE AMERICAN JOURNAL OF

Contents

February 2011, Volume 168

Editorials

- 111 Thinning of cerebral cortex during development: a dimension of ADHD Rachel G. Klein
- **114 Toward neurotrophin-based therapeutics** Lisa M. Monteggia
- **117 What can large simple trials do for psychiatry?** T. Scott Stroup
- 120 Thought, feeling, and action in real time monitoring of drug use in schizophrenia John G. Csernansky and Matthew J. Smith

Images in psychiatry

123 The Yale Child Study Center centennial: 1911–2011 Alvi Azad and Andrés Martin

Education in psychiatry

124 The importance of responding to negative affect in psychotherapies John C. Markowitz and Barbara L. Milrod

Reviews and overviews

129 Severe mood dysregulation, irritability, and the diagnostic boundaries of bipolar disorder in youths Ellen Leibenluft

New research – articles

143 Cortical development in typically developing children with symptoms of hyperactivity and impulsivity: support for a dimensional view of attention deficit hyperactivity disorder

Philip Shaw, Mary Gilliam, Maria Liverpool, Catherine Weddle, Meaghan Malek, Wendy Sharp, Deanna Greenstein, Alan Evans, Judith Rapoport, and Jay Giedd

152 Disrupted reinforcement signaling in the orbitofrontal cortex and caudate in youths with conduct disorder or oppositional defiant disorder and a high level of psychopathic traits

Elizabeth C. Finger, Abigail A. Marsh, Karina S. Blair, Marguerite E. Reid, Courtney Sims, Pamela Ng, Daniel S. Pine, and R. James R. Blair

- 163 Effect of 7,8-dihydroxyflavone, a small-molecule TrkB agonist, on emotional learning Raul Andero, Scott A. Heldt, Keqiang Ye, Xia Liu, Antonio Armario, and Kerry J. Ressler
- 173 Aberrant brain activation during a working memory task in psychotic major depression Amy Garrett, Ryan Kelly, Rowena Gomez, Jennifer Keller, Alan F. Schatzberg, and Allan L. Reiss
- 183 Association of frontal and posterior cortical gray matter volume with time to alcohol relapse: a prospective study Kenneth Rando, Kwang-Ik Hong, Zubin Bhagwagar, Chiang-Shan Ray Li, Keri Bergquist, Joseph Guarnaccia, and Rajita Sinha
- 193 Comparative mortality associated with ziprasidone and olanzapine in real-world use among 18,154 patients with schizophrenia: the Ziprasidone Observational Study of Cardiac Outcomes (ZODIAC) Brian L. Strom, Sybil M. Eng, Gerald Faich, Robert F. Reynolds, Ralph B. D'Agostino, Jeremy Ruskin, and John M. Kane

202 Real-time electronic ambulatory monitoring of substance

use and symptom expression in schizophrenia Joel Swendsen, Dror Ben-Zeev, and Eric Granholm