

JAMA Psychiatry

Research

Original Investigation

415 Heritability of Autism Spectrum Disorder in a UK Population-Based Twin Sample

E Colvert and Coauthors

424 Abuse-Deterrent Formulations and the Prescription Opioid Abuse Epidemic in the United States: Lessons Learned From OxyContin

TJ Cicero and MS Ellis

430 Naltrexone vs Placebo for the Treatment of Alcohol Dependence: A Randomized Clinical Trial

DW Oslin and Coauthors

438 Antipsychotics, Other Psychotropics, and the Risk of Death in Patients With Dementia: Number Needed to Harm

DT Maust and Coauthors

446 Further Neuroimaging Evidence for the Deficit Subtype of Schizophrenia: A Cortical Connectomics Analysis

AL Wheeler and Coauthors

456 Functional Neuroimaging Abnormalities in Youth With Psychosis Spectrum Symptoms

DH Wolf and Coauthors

466 Association of Maternal Report of Infant and Toddler Gastrointestinal Symptoms With Autism: Evidence From a Prospective Birth Cohort

M Bresnahan and Coauthors

475 Dialectical Behavior Therapy for High Suicide Risk in Individuals With Borderline Personality Disorder: A Randomized Clinical Trial and Component Analysis

MM Linehan and Coauthors

483 Risks for Nonaffective Psychotic Disorder and Bipolar Disorder in Young People With Autism Spectrum Disorder: A Population-Based Study

J-P Seltén and Coauthors

490 Developmentally Stable Whole-Brain Volume Reductions and Developmentally Sensitive Caudate and Putamen Volume Alterations in Those With Attention-Deficit/Hyperactivity Disorder and Their Unaffected Siblings

CU Greven and Coauthors

500 Reporting Bias in Clinical Trials Investigating the Efficacy of Second-Generation Antidepressants in the Treatment of Anxiety Disorders: A Report of 2 Meta-analyses

AM Roest and Coauthors

Opinion

Viewpoint

411 Depression and Suicide Among Physician Trainees: Recommendations for a National Response

ML Goldman and Coauthors

413 The Future of Psychiatry as Clinical Neuroscience: Why Not Now?

DA Ross and Coauthors

Clinical Review & Education

Continuing Medical Education

520 Online CME Quiz Questions

LETTERS

Comment & Response

511 Anti-inflammatory Intervention in Depression

513 Measuring the Effects of Treatment With Antipsychotics

Issue Highlights and Continued Contents on page 409



Research

Heritability of Autism Spectrum Disorder 415

The etiology of autism spectrum disorder is complex. Colvert and colleagues used data from a population-based twin sample that included the full clinical spectrum of autism spectrum disorder to study the relative contribution of genetic and environmental factors. For 4 different clinical measures of autism spectrum disorder, they found evidence for substantial genetic influences, with heritability estimates ranging from 56% to 95%, and moderate nonshared environmental influences.

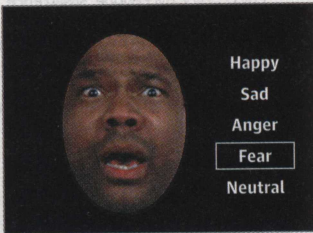
Naltrexone vs Placebo for Alcohol Dependence 430

The effectiveness of treating alcohol use disorder with the opioid antagonist naltrexone has been linked to a functional polymorphism (Asn40Asp) of the μ -opioid receptor gene. Oslin and colleagues conducted a 12-week double-blind randomized clinical trial of naltrexone versus placebo, which revealed a significant reduction in heavy drinking across all groups and no evidence of an Asn40Asp genotype \times treatment interaction. The Asn40Asp polymorphism is not a biomarker to predict the response to naltrexone treatment of alcohol dependence.

Psychotropics and Risk of Death in Dementia 438

Antipsychotic medications are associated with increased mortality in older adults with dementia. In a retrospective case-control study of 46 008 medication users with dementia who were 65 years or older, Maust and colleagues found an increased mortality risk for individuals receiving antipsychotic medication, ranging from 3.8% for haloperidol to 2.0% for quetiapine. As a group, atypical antipsychotics showed a dose-response increase in mortality risk, with 3.5% greater mortality in the high-dose group.

Functional Neuroimaging Abnormalities in Psychosis 456



Many individuals in the general population have psychotic experiences but it is not clear if they show the neural abnormalities seen in psychotic disorders. Wolf and colleagues used functional magnetic resonance imaging to examine brain activation patterns during a working memory and emotion identification task in a population-based sample of 260 youth individuals with psychosis spectrum features and 220 matched typically developing youth individuals (11-22 years of age). Functional abnormalities observed in the psychosis spectrum group were similar to those seen in individuals with or at risk for schizophrenia.

DBT in Individuals With Borderline Personality Disorder 475

Dialectical behavior therapy (DBT) is a multicomponent evidenced-based treatment for individuals with borderline personality disorder; however, it remains unknown which of the components is most important for treatment success. Linehan and colleagues compared standard DBT treatment with treatment with either DBT skills training or individual DBT therapy in 99 women with borderline personality disorder. While all treatments were equally effective at reducing suicidal ideation and suicide attempts, treatments that contained skills training were superior for treatment adherence and reducing depression and anxiety.

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Opinion

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DA Ross and Coauthors

LETTERS

Comment & Response

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✉ Online@jamapsychiatry.com



Author Interview

AUDIO Interview with Marsha M. Linehan, PhD, author of "Dialectical Behavior Therapy for High Suicide Risk in Individuals With Borderline Personality Disorder: A Randomized Clinical Trial and Component Analysis"

Departments

410 Staff Listing

475 CME Article

518 Classified Advertising

518 Journal Advertiser Index

519 Contact Information

520 CME Questions

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