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Official Journal of the American Psychiatric Association

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## AJP in Advance

*Discover the latest research advances before they appear in print*

### **Altered Expression of ARP2/3 Complex Signaling Pathway Genes in Prefrontal Layer 3 Pyramidal Cells in Schizophrenia**

Low transcript levels of actin-related protein-2/3 complex subunits were found in schizophrenia subjects' dorsolateral prefrontal cortex layer 3 and 5 pyramidal cells. The resulting structural compromise could be a factor in low dendritic spine density on layer 3 pyramidal cells in schizophrenia.

### **Kahlbaum, Hecker, and Kraepelin and the Transition From Psychiatric Symptom Complexes to Empirical Disease Forms**

Kraepelin's diagnostic approach drew on concepts developed earlier by Karl Kahlbaum and Ewald Hecker, who focused on detailed empirical clinical observation of symptoms and illness course as a means of defining psychiatric disorders.



## AJP CME

*Earn CME credit: 3 courses per issue*

This month's courses appear on pages 83–86. Each short course is based on one article in this issue and can earn up to 1 *AMA PRA Category 1 Credit™*. CME credit is issued only **online**, and a paid subscription to AJP's CME course program is required.

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## AJP Multimedia

*Access Audio or Video for highlights of each issue*

In AJP Audio this month, Deputy Editor Susan K. Schultz, M.D., discusses the association of hypnotic medications and suicide, neurometabolic disorders in treatment-refractory depression, diminished attention to eyes in autism, increased activity or energy as a primary criterion for diagnosis of bipolar mania, an instrument for diagnosing premenstrual dysphoric disorder, and how to differentiate the effects of deep brain stimulation in Parkinson's disease from the effects of the disease itself and psychiatric issues.

In this month's video, Deputy Editor Daniel S. Pine, M.D., discusses the articles "Mechanisms of Diminished Attention to Eyes in Autism" and "Distinct Subcortical Volume Alterations in Pediatric and Adult OCD: A Worldwide Meta- and Mega-Analysis."



## History of Psychiatry

*Revisit the field's rich history through the pages of AJP*

### **125 years ago this month: Salutary Adjunctive Treatments**

The January 1892 issue contains several articles on nonmedicinal modalities that might be helpful in certain cases in asylums. In "Music in Its Relation to the Mind," Dr. G. Alder Blumer recommends bringing music into the asylum. In "Mechanical Massage," Dr. B.D. Eastman argues for the benefits of using mechanical massage devices (including the hand shaker, the leg shaker, and the leg rubber) in patients whose illness is characterized by "great sluggishness in all the vital operations" and who thus need to exercise but are unable to do so adequately. In "Dietetics in the Treatment and Cure of Insanity," Dr. Selden H. Talcott promotes the use of milk (served *warm*) as a nearly ideal food for the ill.

