ADHD vs. Bipolar Disorder

Clinical Case Discussion

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Article

Randomized, Placebo-Controlled Trial of Mixed Amphetamine Salts for Symptoms of Comorbid ADHD in Pediatric Bipolar Disorder After Mood Stabilization With Divalproex Sodium

Russell E. Scheffer, M.D.

Robert A. Kowatch, M.D.

Thomas Carmody, Ph.D.

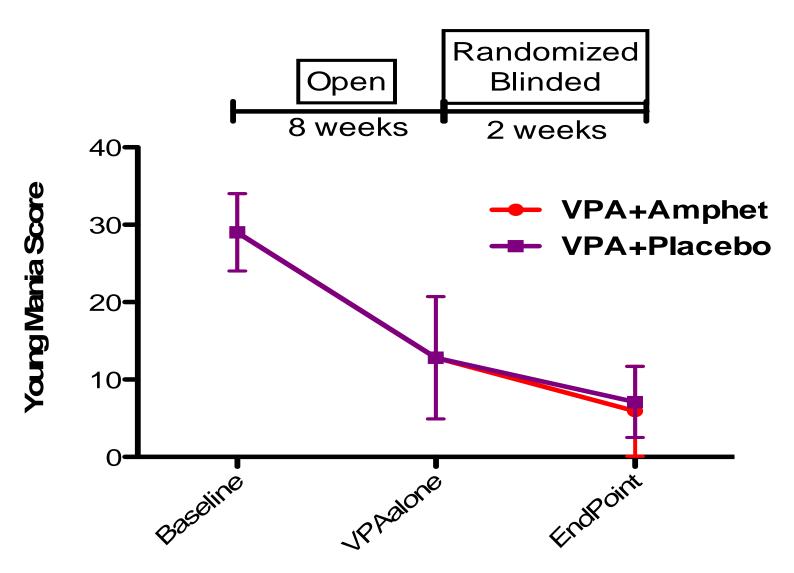
A. John Rush, M.D.

(Am J Psychiatry 2005; 162:58–64)

Patients

- Total of 40 patients recruited
- 30 patients randomized
- Average age 10 y.o.
- One patient on amphetamine experienced mania

Results



Original Article

JOURNAL OF CHILD AND ADOLESCENT PSYCHOPHARMACOLOGY Volume 19, Number 5, 2009 © Mary Ann Liebert, Inc. Pp. 553–561

DOI: 10.1089/cap.2009.0037

Methylphenidate Combined with Aripiprazole in Children and Adolescents with Bipolar Disorder and Attention-Deficit/Hyperactivity Disorder: A Randomized Crossover Trial

Cristian Patrick Zeni, M.D., Silzá Tramontina, M.D., Carla Ruffoni Ketzer, M.D., Gabriel Ferreira Pheula, M.D., and Luis Augusto Rohde, Ph.D.

Results

- Studied 16 kids
- 6 weeks open on aripiprazole followed by 4 weeks blinded randomization
- 9 randomized to aripiprazole + methylphenidate
- 7 randomized to aripiprazole + placebo
- No differences in mania ratings
- One patient on both meds had mixed mania

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Pp. 547–551

DOI: 10.1089/cap.2009.0030

Original Article

Atomoxetine as an Adjunct Therapy in the Treatment of Co-Morbid Attention-Deficit/Hyperactivity Disorder in Children and Adolescents with Bipolar I or II Disorder

Kiki Chang, M.D., Daphne Nayar, B.A., Meghan Howe, M.S.W., and Manasi Rana, M.D.

Subjects

- Open 8 week study
- 12 kids, average age 11.3 years, (7 males)
- All on mood stabilizers (11) or antipsychotics(8)
- Added atomoxetine at average of 59.2 mg/day
- 92% experienced a decrease in ADHD score
- No change in mania ratings

JOURNAL OF CHILD AND ADOLESCENT PSYCHOPHARMACOLOGY Volume 13, Number 2, 2003 © Mary Ann Liebert, Inc. Pp. 123–136

Response to Methylphenidate in Children with Attention Deficit Hyperactivity Disorder and Manic Symptoms in the Multimodal Treatment Study of Children with Attention Deficit Hyperactivity Disorder Titration Trial

Cathryn A. Galanter, M.D.,¹ Gabrielle A. Carlson, M.D.,² Peter S. Jensen, M.D.,¹ Laurence L. Greenhill, M.D.,¹ Mark Davies, M.P.H.,¹ Wei Li, M.S.,¹ Shirley Z. Chuang, M.S.,¹ Glen R. Elliott, M.D., Ph.D.,³ L. Eugene Arnold, M.D.,⁴ John S. March, M.D.,⁵ Lily Hechtman, M.D., FRCP,⁶ William E. Pelham, Ph.D.,² and James M. Swanson, Ph.D.8

Results

- Children with ADHD and manic symptoms (n=32 or n=29 depending on definition)
- Treated with methylphenidate monotherapy for 1 month
- No worsening of manic symptoms

Stimulants not a problem

- Rare case reports of mania associated with stimulant treatment
- Most studies find that stimulants improved symptoms of aggression and irritability
- Most studies with co-morbid bipolar illness or co-morbid manic symptoms find that stimulants do not worsen the manic symptoms

Stimulants and Aggression

 Nearly all studies, open or randomized, show that stimulants reduce aggression in a wide range of childhood disorders

Stimulants and Bipolar Disorder

- Stimulants have shown efficacy in the treatment of bipolar disorder related depression in adults
- No studies have found that stimulants increase mania
- 2 randomized, blinded acute studies show that IV amphetamine acutely reduces manic symptoms in manic in patients.