Michael David Banov, M.D. - Curriculum Vitae

OFFICE LOCATIONS

Northwest Behavioral Medicine and Northwest Behavioral Research Center
108 Margaret Avenue
Marietta, GA 30060
Phone (770) 422-2009 Fax (770) 428-0330
www.psychatlanta.com

Northwest Behavioral Medicine and Northwest Behavioral Research Center
11755 Pointe Place, Suite A-1
Roswell, GA 30076
Phone (770) 667-1264 Fax (770) 667-2238

CURRENT POSITIONS

Medical Director, Northwest Behavioral Medicine
Adolescent, Adult, and Geriatric Psychiatry, March 1994 to present
Marietta and Roswell, GA

Medical Director, Northwest Behavioral Research Center
Marietta and Roswell, GA, March 1996 to present

Clinical Assistant Professor, Department of Psychiatry
Medical College of Georgia, November 2017 to present

COPE Atlanta Centers Director, Centers of Psychiatric Excellence
Marietta and Roswell, GA, 2018 to present

Medical Advisor, LifeQ, A Wearable Health Technogy Company, Alpharetta GA 2014-present.

Medical Advisor, Resolve Therapeutics, A Substance Abuse Management Services Program, Houston, Texas 2018-present

Medical Advisor, Fruitstreet.com, a telemedicine diabetes prevention company, New York, New York 2017-present.

Physican Expert, Sharecare. Atlanta, Georgia. 2017-present.

Medical Director and President, Psychsource, LLC, A not-for-profit organization committed to providing mental health resource information to the community, Alpharetta, GA, June 1999 to present.

Michael D. Banov, M.D.

BOARD CERTIFICATIONS

American Board of Psychiatry and Neurology -Re-certification, November 2016

American Board of Psychiatry and Neurology -Re-certification, September 2006

American Board of Psychiatry and Neurology, February 1995

American Board of Adolescent Psychiatry, June 1997

American Board of Adolescent Psychiatry-Re-certification, March 2016

Certification in Addiction Psychiatry by American Board of Psychiatry and Neurology, July 1998

Diplomate American Board of Integrative Holistic Medicine 2014-2021

RESEARCH CERTIFICATIONS

Certified Clinical Research Investigator (CCRI). Certification by Association of

Clinical Research Professionals (ACRP), 2002-2020.

EDUCATION

M.D. Emory University School of Medicine, Atlanta, GA, 1986 to 1989

Medical University of South Carolina, Charleston, SC, 1985 to 1986

A.B. Duke University, Durham, NC – Religion, 1984

Tel Aviv University, Tel Aviv, Israel, 1980

POSTGRADUATE TRAINING

Clinical Fellow in Adult Psychiatry, McLean Hospital, Consolidated Department of Psychiatry, Harvard Medical School, 1990 to 1993

Consultation-Liaison Service, Massachusetts General Hospital, Boston, MA, 1992

Chief Resident, Psychotic Disorders Program, McLean Hospital, Consolidated Department of Psychiatry, Harvard Medical School, 1992 to 1993

Medical Internship in Internal Medicine, The University Hospital, Boston University Medical Center, 1989 to 1990

HONORS

Distinguished Fellow of the American Psychiatric Association-2016

Fellow, Academy of Physicians in Clinical Research-2016

Fellow, American Psychiatric Association-2015

The Dr. Henry P. & M. Page Durkee Laughlin Fellowship Award – 1993

Harry C. and Maida Solomon Award for most outstanding research, Harvard Medical School Consolidated Department of Psychiatry – 1993

Letter of Academic Achievement, Medical University of South Carolina – 1986

Magna Cum Laude, Duke University – 1984

Class Honors, Dean's List, Duke University - 1981 to 1982

PROFESSIONAL AFFILIATIONS

American Psychiatric Association - 1990 to present

Georgia Psychiatric Association 1994 to present

Massachusetts Psychiatric Association - 1990 to 1994

American Medical Association - 1989 to present.

LICENSURE

Georgia Composite State Board of Medical Examiners-1994 to present. License No. 037945

Commonwealth of Massachusetts Board of Registration in Medicine-1990 to 1996

Diplomat of National Board of Medical Examiners-1990

PROFESSIONAL ACTIVITIES

Georgia Psychiatric Physicians Association, Board of Trustees, 2018 – present

Georgia Psychiatric Physicians Association, Continuing Medical Education Committee, 2015 – present

Member of the American Society of Ketamine Physicians, 2018- present

Member of Advisory Board, PharmaCentra, LLC, Atlanta, GA, 2005 to present.

Georgia Psychiatric Physicians Association, Economic Affairs Committee, August 2004 – 2016

Lawyer Assistance Committee, State Bar of Georgia, August 2004-2016

Credentialing Committee, Kennestone Hospital, August 1997-June 2001

Utilization Review Committee, Kennestone Hospital, June 1995-June 2001

Chairman, Continuing Medical Education, Ridgeview Institute, March 1995-October 1998

Outcomes Research Committee, Ridgeview Institute, March 1995-October 1998

Drug Evaluation Committee, Ridgeview Institute, March 1995-August 1997

Economic Affairs Committee, Georgia Psychiatric Physicians Association, February 1994 to June 1996

Medical Records Committee, Brawner Hospital-May 1994, June 1996

Secretary-Treasurer, McLean Residents' Association, 1990 to 1993

McLean Psychopharmacology Journal Club, 1990 to 1993

President, Super Health 2000 - An organization of over 100 health professionals who educate school and community groups on 15 health topics, 1985 to 1986

HOSPITAL AFFILIATIONS

Kennestone Hospital - June 1994 to 2012
Marietta, GA

Ridgeview Institute - March 1994 to 2010
Smyrna, GA

Brawner North Hospital - March 1994 to June 1996
Smyrna, GA

Northside Hospital- June 1995 to June 1996
Atlanta, GA

Charter-Peachford Hospital- June 1995-June 2002
Atlanta, GA

POSITIONS HELD

Physician Advisory Board, Skyland Trail Mental Health Treatment Center, Atlanta, GA, 2003 to 2008

Chief, Department of Psychiatry, August 1997 to June 1999
Kennestone Hospital, Marietta, GA

Director of Medical Education, Ridgeview Institute, March 1994 to October 1998
Atlanta, GA

Clinical Instructor in Psychiatry, July 1993 to December 1993
Harvard Medical School, Boston, MA

Assistant Attending Psychiatrist, July 1993 to December 1993
McLean Hospital, Belmont, MA

Psychopharmacology Consultant to geriatric services and day program for chronically mentally ill patients, Tri-City Mental Health and Retardation Center, Everett, MA - 1992 to 1993

Psychiatric Consultant/Doctor on Call - 1991 to 1993

Human Resource Institute, Boston, MA

Carney Hospital, Boston, MA

Norwood Hospital, Norwood, MA

Waltham-Weston Hospital, Waltham, MA

PUBLICATIONS

Banov MD, Kulick AR, Oepen G, Pope HG. *A New Identity for Misidentification Syndromes.* Compr Psychiatry, 1993; 34:114-117.

Banov MD, Tohen M, Friedberg J. *High Risk of Eosinophilia in Women Treated with Clozapine.* J Clin Psychiatry, 1993; 54:466-69.

Banov MD, Zarate CA, Scialabba D, Tohen M, Wines JD, Kolbrener M, Kim JW, Cole JO. *Clozapine Therapy in Refractory Affective Disorders: Polarity Predicts Response in Long-Term Follow-Up.* J Clin Psychiatry, 1994; 55:295-300.

Sachs GS, Lafer B, Stoll AL, Banov MD, Thibault AB, Tohen M, Rosenbaum JF. *A Double- Blind Trial of Bupropion versus Desipramine for Bipolar Depression.* J Clin Psychiatry, 1994; 55:391-93.

Banov MD. *Stay Tuned: Recognizing and Treating Attention Deficit Hyperactivity Disorder in Adults.* Insight, 1994; 15:28-31.

Stoll AL, Banov MD, Kolbrener M, Mayer PV, Tohen M, Strakowski A, Castillo J, Suppes P, Cohen BM. *Neurological Factors Predict a Favorable Valproate Response in Bipolar Disorder.* J Clin Psychopharmacology, 1994; 14(5):311-3

Banov, MD. *Brain Medicines: Recent Developments in Psychopharmacology.* Insight, 1995; 16:24-7.

Zarate CA, Tohen M, Banov MD, Weiss MK, Cole JO. *Is Clozapine a Mood Stabilizer?* J Clin Psychiatry, 1995; 56:108-112.

Pillay SS, Stoll AL, Weiss MK, Tohen M, Zarate CA, Banov MD, Cole JO. *EEG Abnormalities Before Clozapine Therapy Predict a Good Clinical Response to Clozapine.* Ann Clin Psychiatry, 1996; 8(1):1-5.

Banov MD. *Again & Again: Treatment Strategies for Obsessive-Compulsive Spectrum Disorders.* Insight, 1997;18:26-9.

Banov MD. *Improved Outcome in Fluvoxamine Treated Patients with SSRI-Induced Sexual Dysfunction.* J Clin Psychiatry, 1999; 60(12): 866-868.

Green AI, Tohen M, Patel JK, et al. *Clozapine in the Treatment of Refractory Psychotic Mania.* Am J Psychiatry, 2000; 157(6): 982-986.

Tohen M, Jacobs TG, Grundy SL, Banov MC, McElroy SL, Janica PG, Zhang F, Toma V, Francis J, Sanger T, Tollefson GD, Breier A. *Efficacy of olanzapine in acute bipolar mania: a double-blind, placebo-controlled study.* Arch Gen Psychiatry 2000; 57:841-849.

Tohen M, Calabrese JR, Sachs GS, Banov MD, Detke HC, Risser R, Baker RW, Chou JCY, Bowden CL. *Randomized, Placebo-Controlled Trial of Olanzapine as Maintenance Therapy in Patients With Bipolar I Disorder Responding to Acute Treatment With Olanzapine.* Am J Psychiatry 2006; 163: 247-256.

Banov, MD. *Taking Antidepressants: Your Comprehensive Guide to Starting, Staying On, and Safely Quitting*. Sunrise River Press. July 2010.

Bortnick B, El-Khalili N, Banov M, Adson D, Datto C, Raines S, Earley W, Ericksson H. (2011 Aug 6). *Efficacy and tolerability of extended release quetiapine fumarate (quetiapine XR) monotherapy in major depressive disorder: A placebo-controlled, randomized study.* J Affect Disorder. 2011 Jan; 128(1-2):83-94.

Aaronson ST, Carpenter LL, Conway CR, Reimherr FW, Lisanby SH, Schwartz TL, Moreno FA, Dunner DL, Lesem MD, Thompson PM, Husain M, Vin CJ, Banov MD, Bernstein LP, Lehman RB, Brannon GE, Keepers GA, O'Reardon JP, Rudolph RL, Bunker M. *Vagus nerve stimulation therapy randomized to different amounts of electrical charge for treatment-resistant depression: acute and chronic effects.* Brain Stimul. 2013 Jul; 6(4):631-40.

Banov, M., MD. (2018). Management of Depression, Part 1: Identification and Diagnosis. Scientific American Psychiatry. doi:10.2310/7800.13085

Banov, M., MD. (2018). Management of Depression, Part 2: Treatment Options. Scientific American Psychiatry. doi:10.2310/7800.13086

Banov, M., MD. Young, J,MD, Szabo, Steve MD. Efficacy and Safety of Ketamine in the Management of Anxiety and Anxiety Spectrum Disorders: A Review of the Literature" CNS Spectrum-In Submission

CLINICAL PSYCHOPHARMACOLOGY RESEARCH

Principal Investigator:
A Multicenter, Randomized, Double-Blind, Placebo Controlled Trial of XXX in Generalized Anxiety Disorder. - February 2019

A Phase 3, Multicenter, Double-Blind, Randomized, Placebo-Controlled Study Evaluating the Efficacy of XXX in the Treatment of Adult Subjects With Major Depressive Disorder. - February 2019

An Open-label, 52-Week, Multicenter Trial Evaluating the Long-term Safety and Tolerability of XXX Sustained-Release Tablets in Adults with Attention-Deficit/Hyperactivity Disorder. – January 2019

A Phase 3, Randomized, Double-blind, Multicenter, Placebo-controlled, Parallel-group Trial Evaluating the Efficacy, Safety, and Tolerability of XXX Sustained-release Tablets in Adults With Attention-deficit/Hyperactivity Disorder. - January 2019

A Double-Blind, Placebo-Controlled Study of XXX as an Adjunct to Antidepressants in the Treatment of Patients With Major Depressive Disorder Who Have Had an Inadequate Response to Antidepressants Alone. - December 2018

A Randomized, Double-blind, Placebo-controlled, Multicenter Study of XXX as Adjunctive Therapy in Major Depressive Disorder. - December 2018

A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy, Safety, and Tolerability of XXX Extended-Release Injectable Suspension for Subcutaneous Use as Maintenance Treatment in Adult Patients With Schizophrenia. – August 2018

A Phase 2, Double-blind, Placebo-controlled, Multicenter Study to Evaluate Safety, Tolerability, and Efficacy of Oral Administration of XXX in Women With Postpartum Depression. - March 2018

A Multicenter, Fixed-Dose, Double-Blind, Randomized Study to Evaluate the Efficacy and Safety of XXX in Adult Subjects (Ages 18-55) With Attention Deficit Hyperactivity Disorder (ADHD). - September 2018

Real-life Effectiveness of Vortioxetine in Patients With Major Depressive Disorder: Non-interventional, Multi-national, Prospective Cohort Study to Assess Real-life Effectiveness of Vortioxetine. - November 2017

A Study to Evaluate the Efficacy, Safety, and Tolerability of Intranasal XXX Plus an Oral Antidepressant in Elderly Participants With Treatment-resistant Depression (TRANSFORM-3). - October 2017

A Long-term Safety Study of Intranasal XXX in Treatment-resistant Depression. - October 2017

An Open-label, Long-term, Safety and Efficacy Study of Intranasal XXX in Treatment-resistant Depression.- October 2017

An Open-label Long-term Safety Study of XXX in Pediatric Patients With Major Depressive Disorder – July 2018

A Multicenter, Double-blind, Placebo- and Active-Controlled Parallel-Group Evaluation of the Safety and Efficacy of XXX in Pediatric Patients With Major Depressive Disorder – September 2018

A Randomized, Sequential Parallel, Double-Blind, Placebo- Controlled Medical Food Study for the Safety and Efficacy of XXX in Adults With Attention Deficit Hyperactivity Disorder (ADHD) – June 2017

A phase 2, multicenter, randomized, double-blind, active and placebo controlled trial of the safety and efficacy of XXX in the treatment of adult Attention-Deficit / Hyperactivity Disorder. -November 2017

A 6-month, multicenter, double-blind, randomized, flexible-dose, parallel-group study to compare the efficacy, safety, and tolerability of XXX versus quetiapine extended-release as adjunctive therapy to antidepressants in adult subjects with

major depressive disorder who have responded inadequately to antidepressant therapy. - December 2017

A 12-week, Randomized, Double-blind, Parallel-group, Placebo-controlled, Fixed-dosed, Multicenter Study to Evaluate the Efficacy, Safety, and Tolerability of XXX in Adults With Moderate to Severe Binge Eating Disorder-March 2017
A Phase 2, Multicenter, Randomized, Double-blind, Placebo- and Active-controlled Trial of XXX as Monotherapy or as Combination Therapy in the Treatment of Adults With Post-traumatic Stress Disorder- April 2017

A Phase 2b, 8-Week, Double-Blind, Placebo-Controlled, Parallel-Group Study to Evaluate the Effects of 3 Different Dose Levels of IX-01 on Intravaginal Ejaculatory Latency Time (IELT), Patient-Reported Outcomes, and Safety in Men With Lifelong Premature Ejaculation (PE)-March 2017

A phase 3 randomized, double-blind, placebo-controlled study to evaluate the efficacy and safety of XXX as adjunctive therapy for the treatment of Schizophrenia. December 2016

A phase 2 randomized, double-blind, placebo-controlled study to evaluate the efficacy and safety of XXX as adjunctive therapy for the treatment of negative symptoms of Schizophrenia. December 2016

A randomized, double-blind, placebo-controlled, multicenter study of XXX as adjunctive therapy in Major Depressive Disorder. December 2016
A randomized, double-blind, placebo-controlled, multicenter study of XXX as adjunctive therapy in the prevention of relapse in patients with Major Depressive Disorder. December 2016

An open-label, long-term safety study of XXX as adjunctive therapy in patients with Major Depressive Disorder. December 2016

A multicenter, 6 week, double-blind, randomized, placebo-controlled, paralled-design study to assess the efficacy and safety of XXX in adolescents ages 12-17 with genetic disorders impacting metabotropic glutamate receptors and Attention Deficit Hyperactivity Disorder. 2016-2017

Interventional, randomized, double-blind, placebo-controlled, active reference, fixed-dose study of XXX in patients aged 7-11 years with Major Depressive Disorder. June 2016

Interventional, randomized, double-blind, placebo-controlled, active reference, fixed-dose study of XXX in patients aged 12-17 years with Major Depressive Disorder. June 2016

Long-term, open-label, flexible-dose, extension study of XXX in child and adolescent patients with Major Depressive Disorder from 7-18 years of age. June 2016

A phase 3, randomized, double-blind, placebo-controlled, parallel-group, multicenter, fixed dose, clinical trial evaluating the efficacy, safety and tolerability of XXX in patients with Bipolar I Depression. April 2016
A noninterventional Genotype/Phenotype study of mGluR mutations in children and adolescents with Attention Deficit Hyperactivity Disorder (ADHD). February 2016

A phase 3, randomized, double-blind, multicenter, placebo-controlled, forced-dose titration, safety and efficacy study of XXX in adults aged 18-55 years with attention-deficit/hyperactivity disorder (ADHD). November 2015

A phase 3, Randomized, Double-blind, Multi-center, Placebo-controlled, Dose-Optimization, Safety and Efficacy Study of XXX (mixed salts of a single-entity amphetamine) in Children and Adolescents aged 6-17 years with Attention Deficit Hyperactivity Disorder. June 2015

An 8-week, randomized phase 2, double-blind, sequential parallel-group comparison study of two dose levels of XXX comparted to placebo as an adjunctive treatment in outpatients with inadequate response to standard of care for Generalized Anxiety Disorder. February 2015

A Randomized, double-blind, multicenter, placebo-controlled parallel-group, efficacy and safety study of 2 doses of XXX in adults with Attention Deficit Hyperactivity Disorder. February 2015

A Multicenter, double-blind, placebo- and active-controlled parallel-group evaluation of the safety and efficacy of XXX in pediatric patients with major depressive disorder. February 2015

A Randomized, sequential parallel, double-blind, placebo-controlled medical food study for the safety and efficacy of XXX in adults with attention deficit hyperactivity disorder (ADHD). October 2014

A randomized, double-blind, placebo-controlled, parallel, 26-week, phase 3 study of 2 doses of an Alpha-7 nicotinic acetylcholine receptor agonist (XXX) of placebo as an adjunctive pro-cognitive treatment in schizophrenia subjects on chronic stable atypical antipsychotic therapy. May 2014

A multicenter 26-week extension study to evaluate the safety and clinical effects of prolonged exposure to 1 and 2 mg doses of XXX, an alpha-7 nicotinic acetylcholine receptor agonist, as an adjunctive pro-cognitive treatment in

subjects with schizophrenia on chronic stable atypical antipsychotic therapy. May 2014

A randomized, double-blind, placebo-controlled, sequential parallel study of XXX in the adjunctive treatment of subjects with severe depression and recent active suicidal despite antidepressant treatment. October 2013-2014.

A phase IV, randomized, double-blind, active and placebo-controlled, multicenter study evaluating the neuropsychiatric safety and efficacy of 12 weeks of XXX and XXX for smoking cessation in subjects with and without a history of psychiatric disorders. August 2013-2015.

A phase IV, non-treatment follow-up for cardiac assessments following use of smoking cessation treatments in subjects with and without a history of psychiatric disorders. August 2013

A double-blind, placebo-controlled evaluation of the safety and efficacy of XXX in adolescent patients with Major Depressive Disorder. July 2013

A phase III, long-term open-label study of safety and tolerability of XXX as adjunctive therapy in Major Depressive Disorder (MDD). May 2013

A phase III, double-blind, placebo-controlled study of XXX as adjunctive therapy in major depressive disorder. February 2013

Multicenter, open label, long-term, flexible-dose study in adult patients with a primary diagnosis of MDD who have inadequate response to ADT. February 2013

A prospective, randomized, double-blind, placebo-controlled, phase II safety and efficacy study of oral XXX as an adjunctive maintenance treatment in patients with Bipolar I Disorder. October 2012 to April 2014.

Long-term safety and efficacy of XXX in subjects with schizophrenia: A double-blind extension study for subjects completing study XXX. July 2012

A randomized, double-blind, placebo-controlled, dose-ranging, parallel-group, phase II study of the safety and efficacy of XXX in the treatment of cognitive deficits in Schizophrenia (CDS) in Nonsmokers. July 2012

A 6-month, open-label, multi-center, flexible-dose extension study to the XXX study to evaluate the safety, tolerability and efficacy of XXX tablets in the treatment of children and adolescent outpatients with major depressive disorder. November 2011

A multi-center, randomized, double-blind, placebo-controlled, parallel-group study to investigate the efficacy and safety of XXX versus placebo as adjunctive therapy in patients with Major Depressive Disorder having inadequate response to ongoing antidepressant treatment. October 2011

A multicenter, open-label study of assess hospitalization rates in adult subjects with schizophrenia treated prospectively for 6 months with XXX IM Depot compared with 6-month retrospective treatment with oral antipsychotics in a naturalistic psychiatric setting in North America. October 2011 to April 2013.

A multi-center, open-label study to assess hospitalization rates in adult subjects with Schizophrenia treated prospectively for 6 months with XXX IM Depot compared with 6 month retrospective treatment with oral antipsychotics in a naturalistic community setting in North America. July 2011 to 2013.

A phase 3, double-blind, randomized, multi-center, placebo-controlled, dose-optimization study evaluating the safety, efficacy and tolerability of once daily dosing with XXX in adolescents aged 13-17 years diagnosed with Attention deficit/Hyperactivity Disorder. June 2011 to February 2013.

A multicenter, randomized, double-blind, placebo-controlled, parallel-group study to evaluate the efficacy, safety and tolerability of XXX sustained-release in the treatment of children and adolescent outpatients with Major Depressive Disorder. May 2011

A randomized, placebo-controlled, double-blind study of XXX fixed-dose 12 mg and 18 mg once daily as adjunctive treatment for patients with Major Depressive Disorder who are partial responders to Selective Serotonin Reuptake Inhibitor treatment. December 2010 to February 2014.

A double-blind, efficacy and safety study of XX versus placebo in the treatment of children and adolescents with Major Depressive Disorder. December 2010 to December 2011.

A phase III, multi-center, randomized, 12-week, double-blind, parallel-group, placebo-controlled study to evaluate the efficacy and safety of XXX in patients with sub-optimally controlled symptoms of schizophrenia treated with antipsychotics followed by a 40-week double-blind, parallel-group, placebo-controlled treatment period. November 2010 to July 2014.

A multicenter, randomized, double-blind, parallel group, placebo-controlled, phase III, efficacy and safety study of 3 fixed dose groups of XXX as an adjunct to an antidepressant in patients with Major Depressive Disorder who exhibit an inadequate response to antidepressant therapy. October 2010 to March 2012.

A randomized 6 Week, double-blind, placebo controlled, flexible-dose, parallel-group study of XXX adjunctive to XXX for the treatment of Bipolar I Depression in subjects demonstrating non-response to treatment with XXX alone. October 2010 to 2012.

A multicenter, randomized, double-blind, parallel group, placebo-controlled, phase III, long-term safety and tolerability study of XXX as an adjunct to an antidepressant in patients with Major Depressive Disorder who exhibit an inadequate response to antidepressant therapy. October 2010 to December 2011.

A phase III, multi-center, randomized, 24 week, double-blind, parallel-group, placebo-controlled study to evaluate efficacy and safety of XXX in stable patients with persistent, predominant negative symptoms of schizophrenia treated with antipsychotics followed by a 28 week, double-blind treatment period. October 2010 to July 2014

A randomized, double-blind, placebo-controlled, parallel-group study of XXX evaluating time to relapse in subjects with schizoaffective disorder. September 2010 to November 2013

A phase 3, long-term, open-label, flexible-dose, extension study evaluating the safety and tolerability of XXX (15 and 20 mg) in subjects with Major Depressive Disorder. September 2010 to August 2013

An international, longitudinal, observational study of individuals with Attention-Deficit/Hyperactivity Disorder (ADHD). September 2010 to January 2011

A 12-Week, randomized, multi-center, open-label, XXX, flexible, dose study assessing efficacy, safety and tolerability of two switch approaches in schizophrenia patient currently receiving XXX, XXX or XXX. August 2010 to 2011

A study to assess the long-term efficacy and safety of XXX and XXX combination versus XXX only in the relapse prevention of stabilized patients with treatment-resistant depression. August 2010 to August 2012

A multi-center, randomized, double-blind, parallel group, placebo-controlled, phase III, efficacy and safety study of 3 fixed dose groups of XXX as adjunct to an antidepressant in patients with Major Depressive Disorder who exhibit an inadequate response to antidepressant therapy. July 2010 to March 2012

An 8-Week, randomized, double-blind, placebo-controlled, parallel-group, multi-center study of the efficacy and safety of XXX 0.5 mg and 1 mg sublingual tablets administered once daily in patients with Major Depressive Disorder. July 2010 to 2011.

A phase 3, randomized, double-blind, parallel-group, placebo-controlled, XXX-referenced, fixed-dose study comparing the efficacy and safety of 2 doses of XXX in acute treatment of adults with Major Depressive Disorder. June 2010 to 2011

A placebo-controlled, double-blind, parallel-group, individualized dosing study optimizing treatment of adults with Attention Deficit Hyperactivity Disorder to an effective response with XXX. May 2010 to May 2011

A phase 3, randomized, double-blind, parallel-group, placebo-controlled, duloxetine-referenced, fixed-dose study comparing the efficacy and safety of 2 doses (15 and 20 mg) of XXX in acute treatment of adults with Major Depressive Disorder. March 2010 to May 2012

A double-blind, placebo-controlled, parallel-group, fixed-dosage study to evaluate the efficacy and safety of XXX as adjunctive therapy in adults with Major Depression Associated with Bipolar I Disorder. March 2010 to 2011

A 52-week, multi-center, open-label study of the safety and tolerability of XXX tablets in patients with Major Depressive Disorder (MDD). January 2010- April 2012

A phase 3B, double-blind, randomized, active-controlled, parallel-group study to compare the time to response of XXX to XXX in children and adolescents aged 6-17 years with Attention-Deficit/Hyperactivity Disorder (ADHD) who have had an inadequate response to methylphenidate therapy. 2010 to February 2013

An 8-week, randomized, double-blind, placebo-controlled, parallel-group, multi-center study of the efficacy and safety of XXX 0.5 mg and 1 mg sublingual tablets administered once daily in patients with Major Depressive Disorder (MDD). 2010 to September 2011

A multicenter, randomized, double-blind study to evaluate the efficacy, safety and tolerability of an oral XXX/XXX combination therapy in patients with Major Depressive Disorder. 2010 to August 2011

A multicenter, parallel-group, randomized, 10-week, double-blind, placebo-controlled study to evaluate the efficacy and safety of 50mg of XXX SR in the treatment of peri- and postmenopausal women with Major Depressive Disorder. 2010 to August 2011

A multicenter, 52-week, open-label study to assess the safety and tolerability of an oral XXX/XXX combination therapy in patients with Major Depressive Disorder. 2010 to August 2011

A phase IIb, multi-center, randomized, double-blind, parallel group, placebo controlled efficacy and safety study of adjunctive XXX in subjects with severe Major Depressive Disorder and a history of poor response to anti-depressants. 2010 to 2012

A phase 2, multi-center, randomized, double-blind, placebo-controlled, adaptive study of the safety and efficacy of XXX in adults with alcohol dependence. 2010 to January 2011

Randomized comparison of outcomes in patients with treatment-resistant depression who received XXX therapy administered at different amounts of electrical charge. 2010 to June 2014

Maintenance of response after open-label treatment with XXX in adult outpatients with Attention-Deficit/Hyperactivity Disorder (ADHD): A placebo-controlled, randomized withdrawal study. 2010 to 2012

A randomized, double-blind, parallel group to compare discontinuation symptoms in abrupt discontinuation versus a 1-week tapering regimen in subjects with Major Depressive Disorder treated for 24 weeks with open-label XXX. 2010 to April 2011

A 24-week, flexible-dose, open-label extension study of XXX for the treatment of Bipolar I Depression. 2010 to June 2012

A long-term, open-label, safety study of XXX in children (6 to 11 years) and adolescents (12 to 17 years) with Attention-Deficit/Hyperactivity Disorder-Associated Insomnia. 2010 to December 2011

A randomized, double-blind, placebo-controlled, parallel-group, fixed-dose study evaluating the efficacy and safety of XXX in Posttraumatic Stress Disorder (PTSD). November 2009 to 2010

A phase 3, double-blind, randomized, multi-center, placebo controlled, dose optimization study evaluating the tolerability and efficacy of AM and PM once daily dosing with extended-release XX in children aged 6 - 12 with a diagnosis of Attention-Deficit/Hyperactivity Disorder. October 2009 to 2010

A double-blind, placebo-controlled study of XXX as adjunctive therapy in major depressive disorder. August 2009 to 2010

A study to assess the long-term efficacy and safety of XX and XX combination versus XX only in the relapse prevention of stabilized patients with treatment-resistant Depression. August 2009 to 2011

A phase 4, randomized, double-blind, multi-center, placebo-controlled, parallel group study evaluating the safety and efficacy of XXX on executive function (self-regulation) behaviors in adults with Attention-Deficit/Hyperactivity Disorder (ADHD) reporting clinically significant impairment of real-world executive function behavior. May 2009 to 2010

A phase IV, double-blind, multi-center, placebo-controlled, randomized withdrawal, safety and efficacy study of XXX in adults ages 18-55 with Attention-Deficit/Hyperactivity Disorder (ADHD). March 2009 to September 2010

A randomized, double-blind, parallel-group, placebo-controlled, active-referenced, fixed-dose study comparing the efficacy and safety of 3 doses of XXX in acute treatment of adults with Generalized Anxiety Disorder. 2009 to 2011

A multi-center, randomized, placebo-controlled, double-blind, parallel group efficacy and safety study of XXX in the treatment of Generalized Anxiety Disorder. 2009 to 2011

A phase III, open-label, extension, multi-center, safety and efficacy study of XXX in adolescents aged 13-17 with Attention-Deficit/Hyperactivity Disorder (ADHD). 2009 to 2011

A six-week, multicenter, randomized, double-blind, placebo-controlled, parallel-group study evaluating the efficacy, safety and tolerability of XXX compared to placebo in female subjects, diagnosed with Major Depressive Disorder. November 2008 to April 2010

A double-blind, placebo-controlled, parallel-group, fixed-dosage study to evaluate the efficacy and safety of XXX (150 and 200 mg/day) as adjunctive therapy in adults with Major Depression associated with Bipolar I disorder. 2008 to 2010

A phase IIIb, randomized, double-blind, multicenter, parallel-group, placebo-controlled, dose optimization study, designed to evaluate the efficacy and safety of XXX in adolescents aged 13-17 years with Attention-Deficit/Hyperactivity Disorder (ADHD), October 2007 to September 2008

A phase IIIB, long-term, open-label, multicenter, extension study designed to evaluate the safety and efficacy of XXX in adolescents aged 13-17 years with Attention-Deficit/Hyperactivity Disorder (ADHD). October 2007 to May 2010

An open-label trial measuring satisfaction and convenience of two formulations of XXX in subjects with a mood disorder. October 2007 to March 2008

A 52-week open-label safety study of XXX in subjects with Generalized Anxiety Disorder. September 2007 to May 2009

A phase 3, randomized, double-blind, placebo controlled, parallel group, 10-week study evaluating the efficacy and safety of XXX for the treatment of generalized Anxiety Disorder. August 2007 to May 2009

A randomized comparison of outcomes in patients with treatment resistant depression who receive XXX therapy administered at different amounts of electrical charge. August 2007 to February 2010

A randomized, double-blind, placebo controlled parallel group study to evaluate the safety and efficacy of XXX in patients with Recurrent Major Depressive Disorder. July 2007 to July 2008

A multi-center, double-blind, randomized, parallel-group, placebo-controlled Phase III study of the efficacy and safety of XXX SR as mono-therapy in the treatment of elderly patients with Generalized Anxiety Disorder. March 2007 to June 2009

A multi-center, double-blind, randomized, parallel-group, placebo-controlled Phase III study of the efficacy and safety of XXX SR as mono-therapy in the treatment of elderly patients with Major Depressive Disorder. March 2007 to May 2009

An eight-week, multinational, multicenter, randomized double-blind, placebo-controlled study, with XXX as an active control to evaluate the efficacy, safety and tolerability of XXX 100 mg in elderly patients with Major Depressive Disorder. March 2007 to November 2007

A multicenter, randomized, 8-week double-blind acute phase followed by a 6-month continuation phase (open-label or double-blind) study to evaluate the efficacy, safety, and tolerability of XXX verses XXX in postmenopausal women with Major Depressive Disorder. January 2007 to September 2009

An 8 week randomized double-blind fixed dose, placebo-controlled parallel group, multicenter study of the efficacy, safety and tolerability of XXX 25mg and 50 mg in the treatment of Major Depressive Disorder with an open label extension. December 2006 to March 2008

A multi-center, double-blind, randomized-withdrawal, parallel-group, placebo-controlled Phase III study of the efficacy and safety of XXX as monotherapy in the maintenance treatment of patients with Generalized Anxiety Disorder following an open-label stabilization period. November 2006 to August 2007

A randomized, double-blind, placebo-controlled, multi-center study of XXX in patients with opioid dependence. November 2006 to February 2008

A multi-center, double-blind, randomized, parallel-group, placebo-controlled Phase III study of the efficacy and safety of XXX in combination with an antidepressant in the treatment of patients with major depressive disorder with inadequate response to an antidepressant treatment. November 2006 to August 2007

A multi-center, randomized, double-blind, parallel-group fixed dose study of the effect on weight of XXX versus XXX in the treatment of outpatient with Schizophrenia. September 2006 to October 2008

A long-term, open-label, and single arm study of XXX 30mg, 50mg, or 70mg per day in adults with Attention Deficit Hyperactivity Disorder. July 2006 to March 2008

A 2-year, prospective, blinded-rater, open-label, active-controlled, multi-center, randomized study of long-term efficacy and effectiveness comparing XXX and XXX in adults with Schizophrenia. May 2006 to May 2009

A Phase III, randomized, double-blind, multi-center, placebo-controlled, parallel-group, forced dose titration, safety, and efficacy study of XXX in adults with Attention Deficit Hyperactivity Disorder. May 2006 to December 2006

A multi-center, double-blind, randomized, parallel-group, placebo-controlled phase III study of the efficacy and safety of XXX as monotherapy in the treatment of adult patients with Major Depressive Disorder. April 2006 to August 2007

A multi-center, double-blind, randomized-withdrawal, parallel-group, placebo-controlled Phase III study of the efficacy and safety of XXX as monotherapy in the maintenance treatment of patients with Major Depressive Disorder following an open-label stabilization period. March 2006 to August 2007

A comparison of XXX extended-release vs. placebo in the treatment of insomnia associated with Generalized Anxiety Disorder (GAD) when used concomitantly with XXX. March 2006 to January 2008

Efficacy, safety, and tolerability of XXX in the treatment of children aged 6-17 years with ADHD-associated insomnia. A multi-center, randomized, double-blind, placebo-controlled study. March 2006 to September 2006

A phase II randomized double blind placebo controlled study to evaluate the efficacy of XXX in the treatment of Insomnia. March 2006 to December 2006.
A six-Week, double-blind, multi-center, placebo-controlled study evaluating the efficacy and safety of flexible doses of XXX in outpatients with Bipolar I Depression. February 2006 to June 2007

An 8 week randomized, double blind, fixed dose, placebo-controlled, parallel group, multi-center study of the efficacy, safety and tolerability of XXX in the treatment of insomnia associated with newly diagnosed Major Depressive Disorder. February 2006 to July 2007

An 8-Week, open-label study to characterize the response to XXX treatment at dosages up to XXX in children and adolescents with Attention-Deficit/Hyperactivity Disorder with an open-ended extension period. November 2005 to February 2007

A randomized, double-blind, placebo controlled, multi-center study to evaluate the efficacy, safety, and tolerability of XXX in patients with generalized anxiety. September 2005 to May 2008

A randomized, double-blind, placebo controlled multicenter study to evaluate the efficacy, safety, and tolerability of XXX in patients with Generalized Anxiety Disorder. August 2005 to May 2007

A multicenter, randomized, double blind, placebo controlled study of XXX in the treatment of patients with Bipolar I Disorder with Major Depressive episode. June 2005 to July 2006

A phase III, randomized, double blind, multicenter, placebo controlled, parallel-group, forced dose titration, safety and efficacy study of XXX in adults with Attention Deficit Hyperactivity Disorder. June 2005 to September 2005

A phase III, randomized, double-blind, multi-center, placebo-controlled, parallel-group, forced dose titration, safety and efficacy study of XXX in adults with Attention-Deficit Hyperactivity Disorder (ADHD). March 2005 to November 2007

XXX combination versus XXX in the treatment of Bipolar I Depression. March 2005 to July 2007

XXX verses XXX and placebo in the treatment of mild to moderate mania associated with Bipolar Disorder. October 2004 to November 2005

A 9-week, randomized, double-blind, placebo-controlled, parallel study of 500 inpatients and outpatients meeting diagnostic criteria for a mild to moderate manic or mixed episodes associated with Bipolar I Disorder. October 2004 to March 2006.A randomized double-blind parallel group placebo-controlled fixed dose study evaluating the efficacy and safety of XXX in subjects with Major Depressive Disorder. September 2004 to October 2005

A multicenter, double-blind, placebo-controlled, fixed- dose, 8 week evaluation of the efficacy and safety of XXX in the treatment of Bipolar Disorder patients

currently experiencing a Major Depressive episode. September 2004 to October 2005

A multicenter, randomized, parallel-group, double-blind, phase III comparison of the efficacy and safety of XXX when used as adjunct to mood stabilizers in the maintenance treatment of Bipolar I Disorder in adult patients. March 2004 to August 2005

A multi-center, randomized, parallel-group, double-blind, Phase III comparison of the efficacy and safety of XXX to placebo when used as adjunct to mood stabilizers (XXX or XXX) in the maintenance treatment of Bipolar I Disorder in adult patients. February 2004 to February 2007

XXX verses XXX in the treatment of Bipolar I Disorder. October 2003 to October 2005

A multicenter, double-blind, placebo-controlled, fixed- dose, 8 week evaluation of the efficacy and safety of XXX in the treatment of Major Depression in patients with Type II Bipolar Disorder. February 2003 to October 2005

An 8-Week, randomized, double-blind, parallel-group, placebo-controlled, multicenter, fixed dose study comparing the efficacy and safety of XXX or XXX to placebo in moderately to severely depressed patients with Major Depressive Disorder. September 2002 to June 2003

A study of XXX plus XXX in combination for treatment-resistant depression without psychotic features. February 2002 to September 2005

A 12-month, open-label study of XXX in adults with Attention Deficit Hyperactivity Disorder. January 2002 to July 2004

A randomized, double blind, placebo-controlled, parallel-group study of XXX in adults with Attention Deficit Hyperactivity Disorder. January 2002 to September 2002

An eight-week, double-blind, placebo-controlled, multicenter study to evaluate the safety and efficacy of 2 doses of XXX and XXX in subjects with Major Depressive Disorder. October 2001 to November 2002

A randomized, double-blind, parallel-group, placebo-controlled, study evaluating efficacy and safety of XXX versus placebo in patients with Major Depressive Disorder. September 2001 to July 2002

A double-blind, randomized, placebo-controlled, 3-month clinical trial of XXX and XXX in the treatment of Posttraumatic Stress Disorder. September 2001 to September 2002

A randomized, double-blind, placebo-controlled, flexible dosage trial to evaluate the efficacy and tolerability of XXX in patients with Generalized Anxiety Disorder. August 2001 to July 2002

A double-blind, placebo controlled, fixed-dosage study comparing the efficacy and tolerability of XXX and XXX to placebo in the treatment of Major Depressive Disorder with anxiety. March 2001 to September 2001

A six-week, double-blind, placebo-controlled multicenter study to evaluate the safety and efficacy of 3 doses of XXX and XXX in subjects with Major Depression. June 2000 to January 2001

Open-label combination of XXX and XXX in Major Depressive Disorder. February 2000 to June 2002

A phase III, open-label, treatment-switching study from orally administered antipsychotic monotherapy to orally administered XXX monotherapy in the treatment of chronic Schizophrenia and Schizoaffective patients. November 1999 to July 2000

A 12-week, randomized, double-blind, placebo controlled, flexible dose study of XXX in the treatment of Generalized Social Anxiety Disorder. August 1999-February 2000

XXX versus placebo in the prevention of relapse in Bipolar Disorder. July 1999-March 2002

A 12 week, double-blind, placebo controlled, parallel group study to assess the efficacy and tolerability of XXX in patients suffering from Posttraumatic Stress Disorder (PSTD). January 1999 to February 2000

A multicenter, open-label, long-term, safety and efficacy study of XXX tablets once daily in subjects with Schizophrenia or other psychotic disorders. September 1998 to September 1999

XXX verses placebo in the treatment of Bipolar Disorder, Manic or Mixed. Eli Lilly. January 1998 to November 1998

XXX experience with safety and tolerability (Quest). Zeneca Limited. August 1997 to March 1998

Sub-investigator:
XXX in treatment of Schizophrenia, Schizoaffective, and Bipolar Disorder. Zeneca Limited. February 1997 to July 1997

XXX vs. XXX vs. placebo in inpatient treatment of Melancholic Depression. Wyeth-Ayerst Laboratories. February 1997 to July 1997

Double-blind dose comparison of IM XXX in Psychosis with Acute Agitation. Pfizer Pharmaceuticals. January 1997 to July 1997

Additional Research Experience
McLean Hospital, Consolidated Department of Psychiatry, Harvard Medical School, Belmont, MA. 1992 to 1994.

Clozapine in Acute Mania - Prospective study to evaluate the safety and efficacy of clozapine in the treatment of refractory acute bipolar mania and psychotic features.

First Psychosis Project - Prospective study to determine characteristics, outcome and response to treatment of all first hospitalized psychotic patients.

Meta-analysis of Clozapine in the Treatment of Acute Psychosis - Literature review analysis of double-blind studies comparing clozapine to typical neuroleptics.

PRESENTATIONS

Banov, M., Patkar, A, *Pharmacotherapy of Major Depression, Bipolar Disorders and Natural Therapies in the Management of Psychiatric Discorders.* CUE Creations, Continuing Education Event, Atlanta, GA, November 3, 2018

Risks and Benefits Associated With Herbal Therapies In Psychiatric Disorders. Presented at Morehouse Medical College November 1, 2017

Safe Use of Natural Supplements in the Management of Medical Disorders. Presented at the Georgia Medical Association Association Summer Meeting, July 29, 2017.

Evidence Based Use of Natural Supplements in the Management of Psychiatric Disorders. Presented at the Georgia Psychiatric Physicians Association Winter Meeting, February 3-4, 2017.

From Hope to Obstacles to Solutions: Developing Novel Medication Treatments for Chronic Psychiatric Illnesses. Presented at the 2nd Annual National Mental Illness Forum, September 26-27, 2013.

Psychopharmacology Review 2012: A practical overview of cutting edge medication treatment options in the management of psychiatric disorders. Presented at Peachford Hospital, Atlanta, GA, November 2012.

Antidepressant Activity of PRX-00023, a Novel, Selective Serotonin 1A Receptor Agonist, in Patients with GAD: Results of a Double Blind, Placebo Controlled Study. NCDEU Poster Presentation. Karl Rickels, Sanjay Matthew, Michael Banov, Daniel Zimbroff, et al., June 13, 2007.

New Developments in Psychopharmacology. Professional Education Series. Ridgeview Institute, June 17th and July 20th, 2007.

Psychiatry for the Non-Psychiatrist. Georgia Academy of Family Physicians. 52nd Annual Scientific Assembly and Exhibition, November 3, 2000.

New Developments in Wakefulness Medications. Continuing Medical Education Series. Summit Ridge Hospital. Lawrenceville, Georgia, October 19, 2000.

New Medications for Mental Illness. NAMI-GA Convention, October 14, 2000.

Managing Social Anxiety Disorder. Atlanta Steeplechase. SmithKline Beecham, April 15, 2000.

Zyprexa Approved For Treatment of Acute Mania. WSB-TV Interview. Atlanta GA, April 5, 2000.

Anticonvulsants in the Management of Bipolar Disorder. Abbott Laboratories. Phillips Arena. Atlanta GA, November 15, 1999.

Anxiety Disorders. WSTR-FM. “Steve and Vickie in the Morning”. Atlanta, GA, October 6, 1999.

Social Anxiety Disorder. WXIA-TV (NBC). Atlanta GA, October 5, 1999.
New Options for Managing Social Anxiety Disorder. WSB-AM (CNN Radio). Atlanta GA, October 5, 1999.

New Directions in the Treatment of Bipolar Disorder. Continuing Medical Education Series. Ridgeview Institute, March 3, 1999.

Community Discussion about Obsessive-Compulsive Disorder with Marc Summers. Westin Atlanta North at Perimeter. February 25, 1999.

Treatment Issues in Violent Mentally Ill Patients. Clayton County Mental Health Center. Morganton NC, April 20, 1998.

New Advances in Psychopharmacology. Student Assistance Professionals Association, Atlanta, GA, February 18, 1998.

Hypochondriasis. WGNX-TV 46 News, September 1997.

The Dangers of Huffing. WGNX-TV 46 News, August 1997.

Assessment and Treatment Strategies in Working with the Patient with Attention Deficit Hyperactivity Disorder. Medical Association of Georgia, Scientific Assembly, Atlanta, GA, November 17, 1995.

Recent Developments in Psychopharmacology. Ridgeview Institute CME Tape Learning Series, October, 1995.

Medicines in Psychiatry. WSB Radio 750, August 1995.

Diagnosing and Treating ADHD in Adults. Ridgeview Institute, Seminars for Clinicians, Atlanta, GA, April 28, 1995.

Seasonal Affective Disorder. Ridgeview Institute, Family Learning Series, Atlanta, GA, January 26, 1995.

Is Clozapine Monotherapy an Effective Mood Stabilizer? Presented at American College of Neuropsychopharmacology, Honolulu, Hawaii, December 17, 1993.

Clozapine Therapy in Refractory Affective Disorders: Polarity Predicts Response in Long-Term Follow-Up. Presented at the American Psychiatric Association Annual Meeting, San Francisco, CA, May 24, 1993.

Clozapine in Affective Disorders. Psychopharmacology Series, Affective Disorders Program, McLean Hospital, May 6, 1993.

Successful Use of Clozapine in Refractory Psychosis with Co-morbid Substance Abuse: A Long Term Follow-Up Study. Harvard Medical School Consolidated Department of Psychiatry Research Day, April 21, 1993.

Clozapine as Maintenance Therapy in Affective Illnesses. Presented at The Boston Society of Neurology and Psychiatry, Cobb Assembly, March 25, 1993.

Obsessive/Compulsive Symptoms in Psychotic Patients: Related or Distinct Entities? Banov MD, Moderator, Clinical Case Conference. McLean Hospital Department of Postgraduate and Continuing Medical Education, January 19, 1993.

CONFERENCES

Sachs GS, Stoll AL, Lafer B, Banov M, Thibeault A, Tohen M, Falk W, Zornberg G, Rosenbaum J, Cohen BM. *Bupropion versus Desipramine in Bipolar Depression. Double-blind comparison of acute and maintenance effects.* Presented at the Second International Conference on Refractory Depression, Amsterdam, The Netherlands, June 24-26, 1992.

REFERENCES

Available on request.