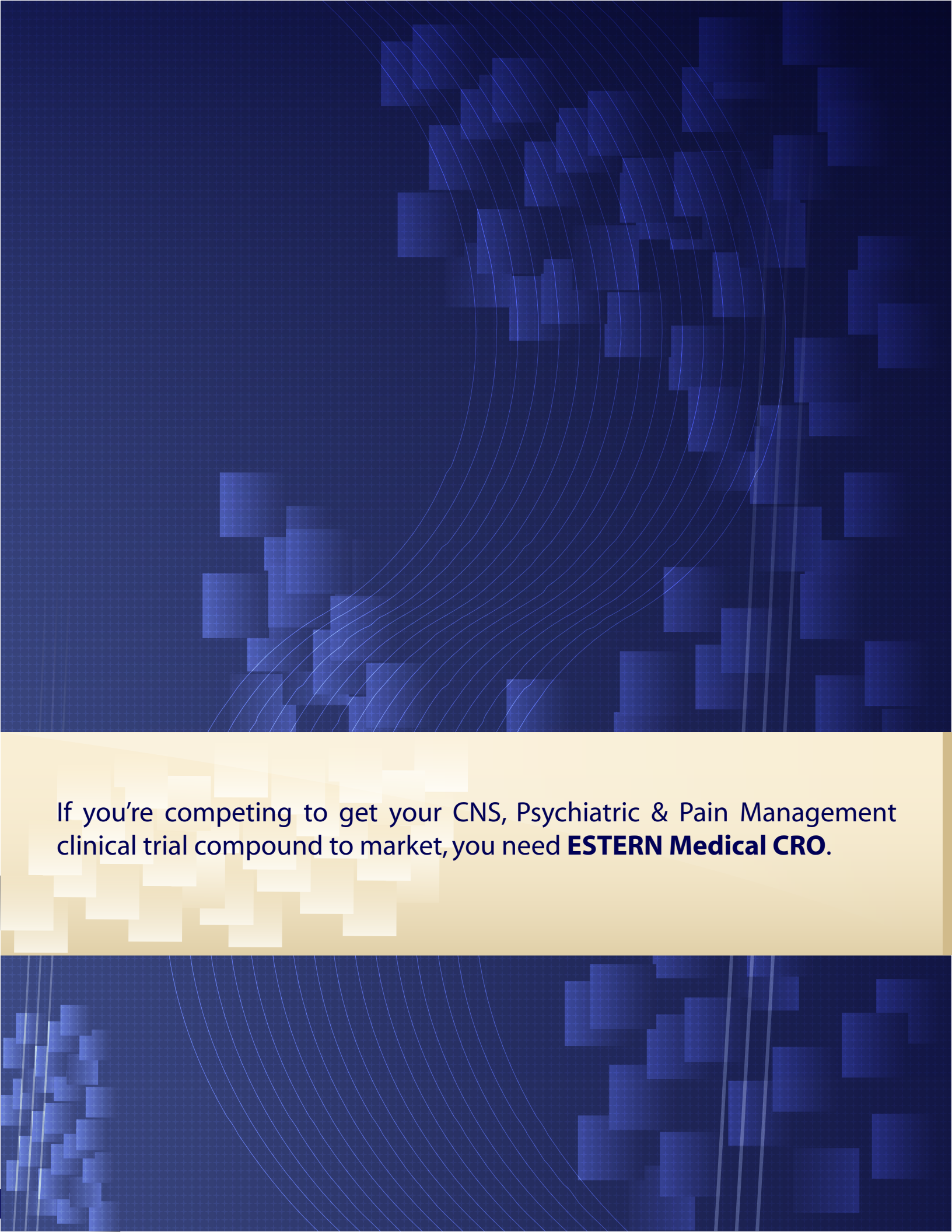




ESTERN
Medical

We are experts in-conducting Clinical Trials in CNS/
Psychiatry & Pain Management studies across Latin
America.



If you're competing to get your CNS, Psychiatric & Pain Management clinical trial compound to market, you need **ESTERN Medical CRO**.



I. CENTRAL NERVOUS SYSTEM (CNS)

At ESTERN Medical, we appreciate the complexities of the nervous system and the widely varying disciplines that explore CNS function, dysfunction, and drug research. Working with CNS specialists and drawing upon an extensive network of academic and private practice physician investigators, we have directed clinical trials in psychiatry, neurology, pain, sleep, and related areas for more than 10 years participating in diverse studies - and earning worldwide recognition as leaders in CNS drug and product development.

COMPREHENSIVE CNS EXPERTISE

We've earned a reputation as CNS experts by staying true to and growing our therapeutic focus. The strength of our team's in-depth knowledge of psychiatry, neurology, pain, and sleep is brought directly to bear on our customers' critical CNS drug development programs. ESTERN'S CNS Practice offers a flexible array of services fully customized to the specific requirements of the individual trial and the unique needs of each valued customer. With a wealth of experience in both adult and pediatric research, we design and implement full research programs, deliver discrete services for any part of a single trial, and even rescue failing trials.

NOT JUST WORDS. BUT REAL RESULTS

We create targeted, cost-effective programs to make sure you get the results you need from your CNS study:

- We maintain metrics on clinical investigators who work in CNS studies, so we know the high performers.
- We have proven strategies for effective patient enrollment and retention.
- Our metrics mean we can advise you on expected recruitment timelines.
- We offer clinical development planning/consulting to get you started in virtually all CNS therapeutic areas.



OUR CNS LEADERSHIP

Dr. John Jairo Hernandez M.D.
Director CNS & Pain Management

Dr. Hernandez joined ESTERN Medical in 2007 with extensive expertise in the clinical, academia and clinical trials research on Neuro-Surgery, Magnetic Imaging and Pain Management.

He is also currently a professor in the School of Medicine and the Director Medicine Pain Management and clinical research at the Universidad del Rosario in Bogota, Colombia, with more than 20 years of experience in this field.

Dr. Hernandez serves as senior clinical consultant and key opinion leader to Medtronic, Grünenthal AG Pharmaceuticals, Pfizer, in the field of clinical pharmacology and medical device pain management and neurology.

Dr. Hernandez is involved in clinical and research as a key opinion leader and speaker in his field of expertise in academia and the pharmaceutical and medical device industry. He has published numerous clinical journal and medical book publications in CNS, on Pain Management. Dr. Hernandez obtained his medical degree from the Universidad del Rosario in Bogota, Colombia. He completed his internship and residency training in Neurosurgery at the Colegio Mayor de Nuestra Señora del Rosario, Bogota, Colombia, and continued his postgraduate studies in vertebral column and spinal medulla pain management in France at La Timone in Marseille. His third postgraduate training was done in Neuro-Imaging in MRI at the Instituto de Resonancia Magnética Biomagnética in Caracas, Venezuela.

GLOBAL REACH, INDIVIDUALIZED SOLUTIONS

ESTERN Medical CNS Practice has an extensive database and well-nurtured relationships with key physician investigators specializing in CNS drug development in both private practice and academic settings across the Latin America. Our long-standing relationships with experienced physician investigators provide access to a vast population of treatment-naïve, compliant, and highly motivated patients. Well connected and supported by the most advanced technology, our international project teams are dedicated to meeting and often exceeding each customer's unique research, development, and regulatory needs. We focus our energies, expertise, and resources where and when you need them to meet your individual CNS drug development goals.

II.- PSYCHIATRY

ESTERN Medical, is well versed in the means and nuances of psychiatric drug research. With an expansive group of in-house Central Nervous System (CNS) professionals, our team represents a vast store of mental-health research expertise. Our experience extends around Latin America and across the spectrum of psychiatric indications, including depression, anxiety, addiction, ADD/ADHD, bipolar disorder, panic disorder, smoking cessation, and schizophrenia. We provide our customers access to a global network of academic and private-practice investigative sites specializing in evaluating, diagnosing, and treating psychiatric patients.

The success of psychiatric clinical trials is dependent on a unique configuration of determinants. Rater

reliability, patient expectations, and the quality of patient-physician interaction are all factors to consider, along with placebo response rates and study design and methodology. We understand the subtleties of these crucial factors and guide each trial toward the desired endpoint of providing clear and reliable data, leveraging our trial methodology for conducting clinical trials and delivering results our customers can rely on.



OUR PSYCHIATRY LEADERSHIP

Dr. Gus Alva, M.D., DFAPA

Dr. Alva, MD, DFAPA, is the president & medical director of ATP Clinical Research in California, a neuropsychiatric clinical research group; prior to founding ATP Clinical Research, he served as Associate Professor and Deputy Director of the Clinical Research Division in the Department of Psychiatry and Human Behavior at the University of California, Irvine. Dr. Alva is a Distinguished fellow of the American Psychiatric Association, a Diplomate of the American Board of Psychiatry and Neurology and a Diplomate of the American Board of Geriatrics. He is also a forensic psychiatric consultant for the Orange County Superior Court in California.

Dr. Alva received his medical degree from the Autonomous University of Guadalajara in Mexico. He completed residency training at the University of California, Irvine Medical Center in the Department of Psychiatry and Human Behavior.

As a clinician, scientist and investigator, Dr Alva's focus is on the genetics, neuroimaging, aspects of ethnicity and their correlation within diverse clinical pathologies, and treatments for numerous psychiatric disorders. He has a track record of scientific clinical journals publications.

Dr. Alva has served as a principal investigator for multiple global clinical trials on various neuropsychiatric conditions and their treatments, including Alzheimer's disease, depression, anxiety disorders, bipolar disorder, and psychotic conditions.

Dr. Alva is a past-president of the California O.C. Psychiatric Society, and is a member of the American Medical Association, the California, Medical Association, the California Psychiatric Association, the American Board of Forensic Medicine, the American College of Forensic Examiners, and the California Hispanic American Medical Association. He is a founding member of the International Congress of Geriatric Psychopharmacology. Dr. Alva, is a senior consultant and key opinion leader for Novartis Pharmaceuticals, Inc., Forest Laboratories, Inc., and Janssen Pharmaceuticals Inc.; and has received diverse grants/research support from Myriad Genetics, Inc., Concept Pharmaceuticals, Bristol-Myers Squibb Company, Otsuka Pharmaceutical Group., Pfizer Pharmaceuticals Inc, and Takeda Pharmaceuticals Inc.

Dr. Alex Alva M.D.

Dr. Alva brings to ESTERN Medical extensive experience in the Neuropsychiatric clinical trials research area as well as a unique combination of scientific and business expertise, encompassing both clinical and research.

Dr. Alva has played key roles in the clinical development of ESTERN Medical bringing potential pharmaceutical and medical device companies to a clearer vision in their global research pipeline.

Dr. Alva has served as a principal investigator clinical trials and key opinion leader for the past 20 years conducting investigations under a myriad of neuropsychiatric conditions: Alzheimer's and other dementias, depression, anxiety disorders, bipolar disorder and psychotic conditions.

As a clinician and investigator, Dr. Alva's focus is on genetics, neuroimaging, and the latest treatments available for each of the aforementioned conditions, as well as on aspects of ethnicity and their correlation within clinical situations. He has published numerous clinical publications. He is a top key opinion leader at both national and international conferences for global pharmaceutical companies as senior medical advisor.

Dr. Alva is a forensic psychiatric consultant for the California Superior Court and has a diploma from the American Board of Psychiatry and Neurology.

Dr. Alva received his medical degree from the Autonomous University of Guadalajara (UAG). His residency training was completed at the University of California, Irvine Medical Center (UCIMC) in the Department of Psychiatry and Human Behavior. He presently is a board certified psychiatrist in both forensic medicine and psychopharmacology.

EXPEDITING THE DEVELOPMENT OF NEW PSYCHIATRIC MEDICINES

At ESTERN Medical, we know the promise and pitfalls of psychiatric research. Offering drug development expertise across the range of mental health disorders, and providing access to a global network of academic and private-practice investigators, we help to optimize the success of our customers' psychiatric drug development.

Through careful attention to study design, site selection and monitoring, applying our Trusted Process® and the harvesting and analysis of data, we help to ensure the efficient use of our customers' resources and time in achieving their research objectives. We are dedicated partners in developing the potential of our customers' psychiatric drug candidates.

WE HAVE SIGNIFICANT EXPERIENCE IN MANY CNS AREAS

The list below shows the diversity of CNS indications with which we've worked. At ESTERN Medical, we have a broad range of local CNS expertise, and in many areas our knowledge is second to none.

Addiction, ADHD, Alzheimer's disease, Amyotrophic lateral sclerosis, Anxiety disorders, Bipolar disorders, CNS infections, Dementia, Depression, Diabetic neuropathy, Epilepsy and seizure disorders, Migraine/headaches, Multiple sclerosis, Neurodermatitis, Neuropathic pain and neuralgias, Obsessive compulsive disorders, Panic disorders, Parkinson's disease, Post-stroke spasticity, Psychotic disorders/schizophrenia, Sleep disorders, Smoking cessation, Stroke.

OUR CNS / PAIN MANAGEMENT & PSYCHIATRY THERAPEUTIC EXPERTISE



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