

# **ELECTROCONVULSIVE**



# **THERAPY**

A Programmed Text

Second Edition

John L. Beyer, M.D.

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Mark D. Glenn, M.D.

# Electroconvulsive Therapy A Programmed Text

**Yijin Wang**



## **Electroconvulsive Therapy A Programmed Text:**

Electroconvulsive Therapy Mark D. Glenn, Richard D. Weiner, 1985-01-01      Electroconvulsive Therapy, 1996

Electroconvulsive Therapy John L. Beyer, Richard D. Weiner, Mark D. Glenn, 1998 Electroconvulsive therapy ECT is an effective and lifesaving procedure for treating certain psychiatric conditions especially when alternative therapies have proved ineffective Using an enjoyable and effective learning format Electroconvulsive Therapy A Programmed Text Second Edition provides a concise review of the contemporary practice of ECT This practical book details recent advances in the administration and technology of ECT and carefully and thoroughly explains the procedure from the initial evaluation to treatment administration and posttreatment planning It places special emphasis on practical clinical management problems during ECT including evaluation care of the medically ill patient treatment algorithms seizure assessment and termination algorithms Short chapter tests and comprehensive tests at the end of the book involve the reader in the learning process and teach important aspects of ECT treatment This book also contains more than 50 useful tables and figures for quick reference and a reference list for ECT device manufacturers continuing education activities and lists of educational materials for health care providers patients and families A sample consent form and patient information sheet are also provided A valuable adjunct to supervised instruction in ECT Electroconvulsive Therapy A Programmed Text also provides a handy pocket companion for any physician in the treatment room      **Practical Aspects of Electroconvulsive Therapy** Mark D.

Glenn, Richard D. Weiner, 1982      Clinical Manual of Electroconvulsive Therapy Mehul V. Mankad, John L. Beyer, Richard D. Weiner, Andrew Krystal, 2010-04-13 Increasingly electroconvulsive therapy ECT is recognized as a proven effective and even life saving intervention in certain mood and thought disorders when other treatments have had little or no effect Despite the proven efficacy and safety of this standard treatment in psychiatry its availability is variable Part of this disparity in access is related to misunderstanding by laypersons regarding the treatment and its potential adverse effects Adequate education and training of psychiatrists and their support staff are essential to ensuring patients access to this vital treatment tool The authors of Clinical Manual of Electroconvulsive Therapy offer this expansive yet reader friendly volume to help psychiatrists successfully incorporate ECT into their clinical practices It is also a valuable resource for medical students and psychiatric residents as well as experienced clinicians and researchers The book updates the 1985 original and 1998 second edition of Electroconvulsive Therapy A Programmed Text and provides readers with a scheduled approach to understanding the fundamental concepts of ECT while offering practical guidance for establishing and maintaining an ECT program Topics include the history of ECT indications for use patient referral and evaluation the basics of ECT clinical applications anesthetics and other medications seizure monitoring and management ictal motor and cardiovascular response adverse effects and maintenance ECT Included are detailed descriptions of recent advances including ultra brief pulse ECT oxygenation muscle relaxation and other modifications that have made this very effective treatment much safer and more

acceptable to patients Currently it is estimated that more than 100 000 people receive ECT treatments each year in the U S

Indications for use of ECT are for mood disorders such as major depressive disorder and mania and thought disorders including schizophrenia and schizoaffective disorder Indications for use in other psychiatric disorders and general medical disorders such as Parkinson s disease which appears to respond especially well to ECT are reviewed as well This highly readable manual is a must have for the library of any clinician interested in or currently practicing ECT Provides background information on the origins of psychiatric treatments preceding ECT including efforts using hydrotherapy and insulin comas Includes an algorithm for the management of ECT seizure adequacy Discusses contraindications as well as the potential adverse effects of ECT including cognitive changes and cardiovascular complications Provides specific information about ECT device manufacturers reprintable patient information sheets and a written informed consent form This clinical manual comprehensively explores and explains the available knowledge regarding ECT based on extensive research over the past 70 years in order to help potential ECT clinicians make informed choices about the development and management of their ECT program

The Electroconvulsive Therapy Workbook Alan Weiss,2018-09-03 Electroconvulsive Therapy ECT remains one of the most effective forms of neurostimulation for severe mental illness Sound scientific research underpins contemporary practice challenging the complex history and stigma that surround this treatment The Electroconvulsive Therapy Workbook integrates the history of ECT with major advances in practice including ultrabrief ECT in a hands on workbook format Novel forms of neurostimulation are reviewed highlighting the future directions of practice in this exciting area The book is also richly illustrated with historical and technical images and includes clinical wisdom sections that provide the reader with clinical insights into ECT practice Online eResources are also available featuring a wide range of questions and answers related to each chapter to help test and consolidate readers understanding of ECT as well as regionally specific legislation governing ECT practice in Australia and New Zealand This comprehensive introduction to ECT is a must read for doctors in training psychiatrists who require credentialing in this procedure anaesthetists nursing staff who work in ECT and other professionals who have an interest in ECT as well as consumer and carer networks

*The Practice of Electroconvulsive Therapy* American Psychiatric Association,2008-08-13 Since the development of pharmacconvulsive therapy in 1934 and of electroconvulsive therapy ECT in 1938 ECT has proven far more valuable than just the intervention of last resort In comparison with psychotropic medications we now know that ECT can act more effectively and more rapidly with substantial clinical improvement that is often seen after only a few treatments This is especially true for severely ill patients those with severe major depression with psychotic features acute mania with psychotic features or catatonia For patients who are physically debilitated elderly or pregnant ECT is also safer than psychotropic medications The findings of the American Psychiatric Association APA Task Force on ECT were published by the APA in 1990 as the first edition of *The Practice of Electroconvulsive Therapy* inaugurating the development of ECT guidelines by groups both within the United States and

internationally Since then advances in the use of this technically demanding treatment prompted the APA to mandate a second edition The updated format of this second edition presents background information followed by a summary of applicable recommendations for each chapter This close integration of the recommendations with their justifications makes the material easy to read understand and use To further enhance usability recommendations critical to the safe effective delivery of treatment are marked with the designation should to distinguish them from recommendations that are advisable but nonessential with the designations encouraged suggested considered The updated content of this second edition which spans indication for use of ECT patient evaluation side effects concurrent medications consent procedures with sample consent forms and patient information booklet staffing treatment administration monitoring of outcome management of patients following ECT and documentation as well as education and clinical privileging This volume reflects not only the wide expertise of its contributors but also involved solicitation of input from a variety of other sources including applicable medical professional organizations individual experts in relevant fields regulatory bodies and major lay mental health organizations In addition the bibliography of this second edition is based upon an exhaustive search of the clinical ECT literature over the past decade and contains more than four times the original number of citations Complemented by extensive annotations and useful appendixes this remarkably comprehensive yet practical overview will prove an invaluable resource for practitioners and trainees in psychiatry and related disciplines

**Biological Psychiatry** Edward Bittar, 1999-12-27 It is now widely recognised that biological psychiatry is rapidly coming into its own For over the last three decades dramatic advances in this young discipline have been made all of which attest to the staying power of the experimental method Those who made this revolution in knowledge happen are a breed of investigators availing themselves of the tools of molecular biology pharmacology genetics and perhaps above all the technology of neuroimaging The introduction of the interdisciplinary method of approach to the study of psychopathology had made it very clear that neuroimaging as a set of techniques is unique in that it is gradually providing us with evidence supporting Kraepelin s original view that mental illness is closely associated with abnormal changes in the brain Broadly speaking there are presently two structural techniques in neuroimaging computed tomography and magnetic resonance imaging MRI and three functional techniques single photon emission tomography SPECT positron emission tomography and magnetic resonance imaging fMRI Through PET technology for example we have learned that in early brain development the primitive areas mostly the brain stem and thalamus are the first to show high activity in an infant This is followed by the development of cortical areas by year one Between the ages of four to 10 the cortex is almost twice as active in the child as in the adult This information alerts us to what might happen in the way of trauma in abused children especially those under the age of three Child abuse increases the risk of physical changes not only in the stress systems but also in brain development Glaser and Weissman In addition to the difficult problem of post traumatic stress disorder PTSD we have to take into account the possibility of other types of mental illness as

the consequences of child abuse These include depression eating disorders and drug and alcohol problems The combination of PET and fMRI represents a more remarkable example of the power of neuroimaging since the two have made it feasible to map accurately in vitro identifiable cortical fields or networks In a landmark NIH investigation of human cortical reorganization plasticity persuasive evidence was brought forward showing that the process of learning as a motor task involves a specific network of neurons These neurons occur in the cortical field that is responsible for that particular task Such findings are important partly because they provide evidence supporting the current notion that labor in the cortex is divided among ensembles of specialized neurons that cooperate in the performance of complex tasks Cooperation then in this sense implies crosstalk among ensembles and that signals are both processed and retransmitted to neighbouring ensembles To understand the workings of these ensembles much better spatial and temporal resolution in functional brain mapping is required This can be achieved with an NMR instrument whose magnet is 4.1 Tesla or more

**The Practice of Electroconvulsive Therapy** American Psychiatric Association. Task Force on Electroconvulsive Therapy, 1990 The updated format and content of this second edition make it a remarkably practical guide for the safe and effective use of ECT Its chapters closely integrate recommendations with their justifications making the material easy to read understand and use Its content presents a comprehensive overview of the clinical practice of ECT without sacrificing depth and breadth Topics include everything from indications for use of ECT to patient evaluation side effects concurrent medications consent procedures with sample consents forms and patient information booklet staffing treatment administration monitoring of outcome management of patients following ECT and documentation as well as education and clinical privileging

**The Practice of Electroconvulsive Therapy** American Psychiatric Association. Committee on Electroconvulsive Therapy, American Psychiatric Association. Task Force on Electroconvulsive Therapy, 2001 Since the development of pharmacodynamic therapy in 1934 and of electroconvulsive therapy ECT in 1938 ECT has proven far more valuable than just the intervention of last resort In comparison with psychotropic medications we now know that ECT can act more effectively and more rapidly with substantial clinical improvement that is often seen after only a few treatments This is especially true for severely ill patients those with severe major depression with psychotic features acute mania with psychotic features or catatonia For patients who are physically debilitated elderly or pregnant ECT is also safer than psychotropic medications The findings of the American Psychiatric Association APA Task Force on ECT were published by the APA in 1990 as the first edition of *The Practice of Electroconvulsive Therapy* inaugurating the development of ECT guidelines by groups both within the United States and internationally Since then advances in the use of this technically demanding treatment prompted the APA to mandate a second edition The updated format of this second edition presents background information followed by a summary of applicable recommendations for each chapter This close integration of the recommendations with their justifications makes the material easy to read understand and use To further enhance usability recommendations critical to the safe

effective delivery of treatment are marked with the designation should to distinguish them from recommendations that are advisable but nonessential with the designations encouraged suggested considered The updated content of this second edition which spans indication for use of ECT patient evaluation side effects concurrent medications consent procedures with sample consent forms and patient information booklet staffing treatment administration monitoring of outcome management of patients following ECT and documentation as well as education and clinical privileging This volume reflects not only the wide expertise of its contributors but also involved solicitation of input from a variety of other sources including applicable medical professional organizations individual experts in relevant fields regulatory bodies and major lay mental health organizations In addition the bibliography of this second edition is based upon an exhaustive search of the clinical ECT literature over the past decade and contains more than four times the original number of citations Complemented by extensive annotations and useful appendixes this remarkably comprehensive yet practical overview will prove an invaluable resource for practitioners and trainees in psychiatry and related disciplines

**Drug Interactions in Psychiatry** Domenic A. Ciraulo, 2006 Thoroughly updated for its Third Edition this handbook provides complete current and easily accessible information on how psychotropic drugs interact with one another and with compounds used to treat non psychiatric medical conditions The book is organized for rapid reference includes numerous tables and offers guidelines for managing adverse effects The Third Edition includes an adverse drug effects table in the appendix section tables on receptor binding and dosing and the latest information on drugs of abuse and chemical dependence This edition also includes drug food interactions for each drug category and interactions of psychotropic drugs with HIV medications

**Gabbard's Treatments of Psychiatric Disorders** Glen O. Gabbard, 2007 A staple of psychiatric practice this edition reflects clinical expertise in an accessible volume It covers all major treatments in psychiatry linked to specific disorders with a pluralistic approach including all major treatment modalities Each chapter has been completely updated and is organized along the lines of DSM IV TR

**Psychiatry for Neurologists** Dilip V. Jeste, Joseph H. Friedman, 2007-11-05 A panel of international psychiatrists neurologists clinical psychologists and neuropsychiatrists review for the clinical neurologist those aspects of psychiatry that impact the management of neurological disorders On the one hand the authors illuminate the neurological aspects of such psychiatric disorders as depression anxiety disorders schizophrenia hysteria catatonia addictions and personality disorders On the other hand they also explain in detail the psychiatric evaluation of the neurological patient and discuss the behavioral aspects of the major neurological disorders including psychiatric complications of dementia and stroke neuromuscular disorders the psychiatric aspects of Parkinson s disease epilepsy Huntington s disease Tourette s syndrome and multiple sclerosis Comprehensive and timely **Psychiatry for Neurologists** helps to close the artificial gap separating neurology and psychiatry so that neurologists feel comfortable managing the psychiatric aspects of the neurological disorders they treat

**The Journal of Clinical Psychiatry** ,1987 *Encyclopedia of Medical Devices and Instrumentation* John G.

Webster,2006-04-07 The articles in The Encyclopedia of Medical Devices and Instrumentation focus on what is currently useful or is likely to be useful in future medicine They answer the question What are the branches of medicine and how does technology assist each of them Articles focus on the practice of medicine that is assisted by devices rather than including for example the use of drugs to treat disease The title is the only resource on the market dealing with the subject in encyclopedic detail Accessible to practitioners with a broad range of backgrounds from students to researchers and physicians Articles cover the latest developments such as nanotechnology fiber optics and signal processing

**Psychiatry** Joseph A. Flaherty,John Marcell Davis,Philip G. Janicak,1993 **Modern Perspectives in the Psychiatry of the Affective Disorders** John G. Howells,1989 1 epidemiology and the affective disorders 2 neurochemistry of depression 3 immunity and depression 4 thyroid function in depression 5 social psychiatry and affective disorders 6 nosology of affective disorders 7 diagnosis of depression 8 DSM III and depression 9 suicidal episodes and risk factors in children 10 suicide in adults 11 schizoaffective states 12 vagaries of the concept of atypical depression 13 involuntional melancholia 14 bipolar affective disorder review and update 15 psychiatric illness after childbearing 16 mania clinical manifestations and assessments 17 prevention of affective disorders 18 psychotherapy of depression 19 drug therapy of depression 20 drug therapy and depression in children 21 the relationship between tardive dyskinesia and affective disorders 22 convulsive therapy A reappraisal 23 advances in lithium therapy Treatments of Psychiatric Disorders ,2001 **Essentials of Clinical Psychiatry** John Ingram Walker,1985 *Comprehensive Textbook of Psychiatry/V* Harold I. Kaplan,Benjamin J. Sadock,1989 This extensively revised encyclopedic work 192 sections 237 contributors is eclectic and multidisciplinary in approach The first section on the basic sciences is liberally sprinkled with clinical illustrations and applications Clinical chapters draw heavily on the basic sciences of psychiatry in describing the diagnosis and treatment of mental disorders Designed for students and clinicians who require a brief review of the behavioral sciences and general psychiatry in preparation for a variety of examination situations Includes a synopsis study guide and self examination review

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