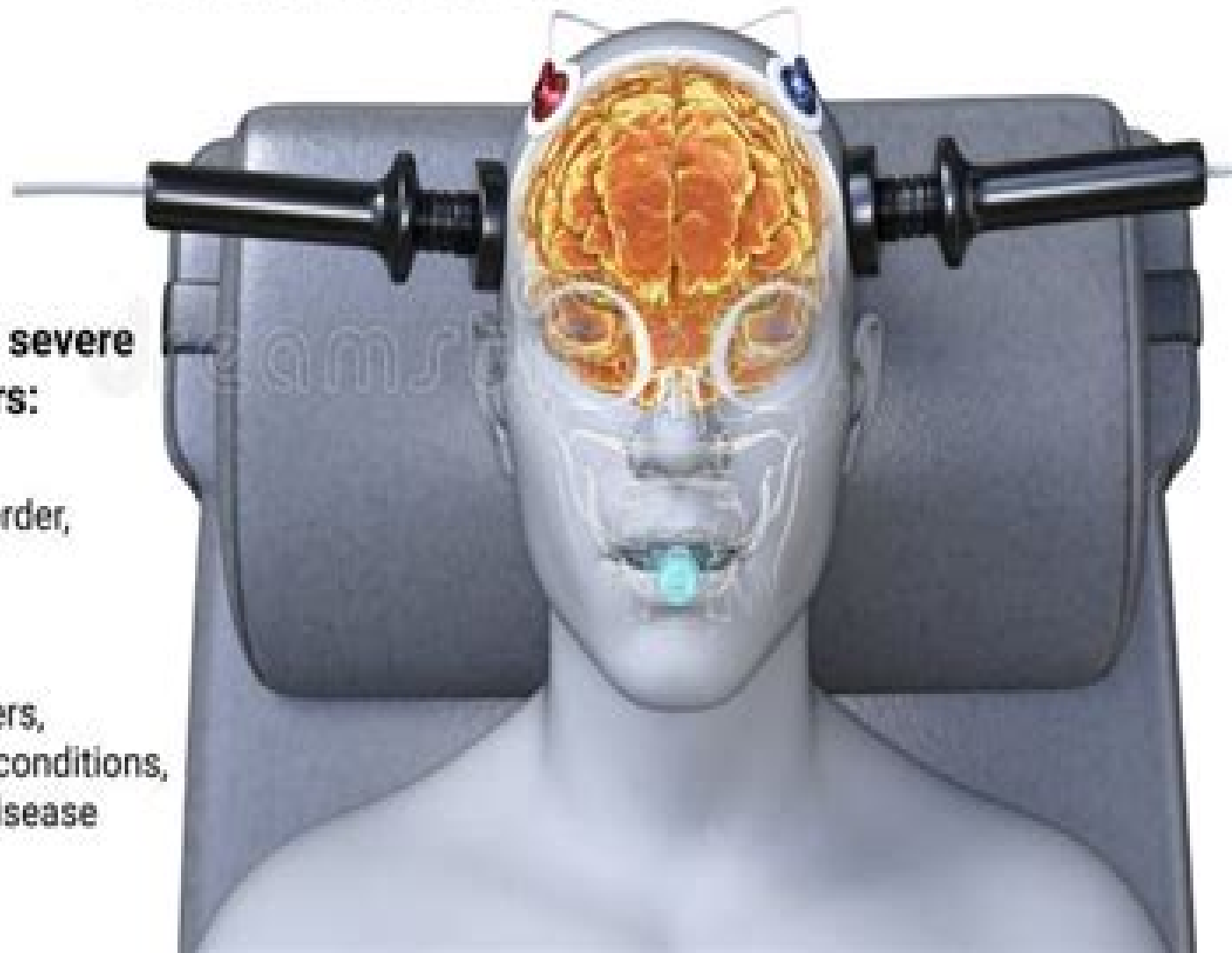


# Electroconvulsive Therapy (ECT)

a medical procedure that uses electrical currents to induce controlled seizures in the brain

**ECT is used to treat severe psychiatric disorders:**

- major depressive disorder,
- bipolar disorder,
- schizophrenia,
- catatonia,
- severe anxiety disorders,
- in some neurological conditions, such as Parkinson's disease



# Electroconvulsive Therapy

**Conrad M. Swartz**



## **Electroconvulsive Therapy:**

**Handbook of ECT** Charles H. Kellner, 2018-12-20 This book is the need to know guide to the practice of modern electroconvulsive therapy *Principles and Practice of Electroconvulsive Therapy* Keith G. Rasmussen, M.D., 2019-03-06 Even with the rise of newer neuropsychiatric brain stimulation methods electroconvulsive therapy ECT remains a widely used treatment for severe mental illness and perhaps the most effective for serious mental illness Optimal treatment requires that psychiatrists be skilled in diagnosis and familiar with the techniques of treatment That is where *Principles and Practice of Electroconvulsive Therapy* comes in With its up to date comprehensive coverage of all aspects of ECT this is an unrivaled resource for psychiatrists whether in practice or still in training striving for maximum treatment efficacy The book begins with an overview of what ECT is and how it is carried out followed by a brief history of the therapy from its earliest applications to its use in modern times The guide follows the typical course of treatment discussing the following Understanding the indications for ECT and selecting patients who might benefit from this therapy whether they suffer from depression mania schizophrenia or catatonia Educating patients and their families on ECT and obtaining patient consent Conducting a pretreatment medical evaluation and understanding the role of anesthesia Managing an individual ECT treatment including choosing the electrical stimulus dose and parameter combination delivering the electrical stimulus assisting with recovery problems etc Overseeing the course of treatments particularly for practitioners not personally conducting the treatments Managing patients after a course of treatments and preventing relapse Assessing and managing the memory side effects of ECT The final chapter examines other neuropsychiatric stimulation therapies in relation to ECT and explains how to choose among them All chapters conclude with easily referenced key points that summarize the most salient ideas Readers seeking to further educate themselves on ECT will also benefit from the exhaustive reference list Though particularly useful for psychiatrists and psychiatric residents *Principles and Practice of Electroconvulsive Therapy* with its straightforward style is a ready resource for any mental health or medical professionals interested in ECT **The ECT Handbook** Jonathan Waite, Andrew Easton, 2013 This text presents the latest clinical guidelines for psychiatrists who prescribe electroconvulsive therapy ECT and practitioners who administer it It clarifies the place of ECT in contemporary practice and reviews the evidence for its efficacy **Electroconvulsive Therapy** Richard Abrams, 2002-06-27 In this fully revised fourth edition of what has long been the standard textbook for the field Dr Richard Abrams once again demonstrates his unique ability to analyze and present a wealth of new and often technical material in a lucid compelling and highly readable fashion Hundreds of new clinical studies called from the more than 1500 published since the third edition appeared have been analyzed in depth and incorporated throughout the book An important new chapter has been added on Transcranial Magnetic Stimulation TMS therapy a treatment for depression that is widely used in Europe and expected to become available soon for clinical use in the United States Dr Abrams exposes the scientific flaws in several widely cited

reports while focusing on the few carefully controlled studies that provide solid support for the results claimed. The sections on the electrical stimulus, seizure introduction, seizure quality, and treatment electrode placement have been completely revised and updated with new information on those clinical and technical issues that are presently of greatest concern to practitioners and researchers. A comprehensive critical assessment of the nature of the seizure threshold and the validity of the stimulus titration method for ECT dosing is presented for the first time with conclusions and recommendations that many will find surprising. The continued controversy over the relative efficacies of unilateral and bitemporal ECT is revisited in light of the latest dosing strategies and treatment outcomes reported and of the latest results obtained with bifrontal ECT. The potential clinical and theoretical advantages of the recently rediscovered technique of ultrabrief pulse therapy are explained in detail. The chapter on the memory and cognitive consequences of ECT has been expanded to focus on the subjective memory effects of treatment with new analysis of the possible biological basis for the improvement in subjective memory so often reported. Recently published claims of persistent or permanent memory effects of ECT are refuted in detail. In full accordance with the American Psychiatric Association's new guidelines for the practice of ECT, Dr. Abrams' book remains the essential practical guide and reference work for all those who prescribe, perform, or assist with ECT or are interested in learning more about the subject. *Electroconvulsive Therapy in America* Jonathan Sadowsky, 2016-11-03. Electroconvulsive Therapy is widely demonized or idealized. Some detractors consider its very use to be a human rights violation while some promoters depict it as a miracle, the penicillin of psychiatry. This book traces the American history of one of the most controversial procedures in medicine and seeks to provide an explanation of why ECT has been so controversial, juxtaposing evidence from clinical science, personal memoir, and popular culture. Contextualizing the controversies about ECT instead of simply engaging in them makes the history of ECT more richly revealing of wider changes in culture and medicine. It shows that the application of electricity to the brain to treat illness is not only a physiological event but also one embedded in culturally patterned beliefs about the human body, the meaning of sickness, and medical authority. *The Practice of Electroconvulsive Therapy* American Psychiatric Association, 2024-10-11. The Practice of Electroconvulsive Therapy, Third Edition, provides a comprehensive yet practical overview of the safe and effective use of ECT with recommendations applicable across a wide spectrum of clinical settings, including a new chapter on other neuromodulation techniques.

**Shock Therapy** Edward Shorter, David Healy, 2007-09-27. Shock therapy is making a comeback today in the treatment of serious mental illness. Despite its reemergence as a safe and effective psychiatric tool, however, it continues to be shrouded by a longstanding negative public image, not least due to films such as the classic *One Flew over the Cuckoo's Nest*, where the inmate of a psychiatric clinic played by Jack Nicholson is subjected to electroshock to curb his rebellious behavior. Beyond its vilification in popular culture, the stereotype of convulsive therapy as a dangerous and inhumane practice is fuelled by professional posturing and public misinformation. Electroconvulsive therapy or ECT has in the last thirty years been

considered a method of last resort in the treatment of debilitating depression suicidal ideation and other forms of mental illness Yet ironically its effectiveness in treating these patients would suggest it as a frontline therapy bringing relief from acute symptoms and saving lives In this book Edward Shorter and David Healy trace the controversial history of ECT and other shock therapies Drawing on case studies public debates extensive interviews and archival research the authors expose the myths about ECT that have proliferated over the years By showing ECT's often life saving results Shorter and Healy endorse a point of view that is hotly contested in professional circles and in public debates but for the nearly half of all clinically depressed patients who do not respond to drugs this book brings much needed hope

What is Electroconvulsive Therapy (ECT)?, 2016 *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

**Electroconvulsive Therapy in Children and Adolescents** Neera Ghaziuddin, Garry Walter, 2013-12 This is a pioneering book about the use of ECT in adolescents who are diagnosed with severe disabling psychiatric disorders or fail conventional treatment Included are a review of the literature firsthand experience of the authors and case descriptions making it an invaluable guide to treatment

Electroshock Max Fink, 2008-12-01 Electroshock therapy has long suffered from a controversial and bizarre public image effectively removing it as a treatment option for many patients In Electroshock Max Fink M D draws on 45 years of clinical and research experience to argue that ECT is now a safe painless and sometimes life saving treatment for emotional and mental disorders Dr Fink traces the development of ECT from its discovery in 1934 followed by widespread use for two decades to the 1950s when it was largely replaced by the introduction of psychotropic drugs to its revival in the past twenty years as a viable treatment He provides actual case studies of patients who have been treated with ECT and illustrates that many disorders such as depression mania catatonia and schizophrenia respond well to it As he explains the whole procedure from preparation to recovery we see what the patient experiences Fink also shows how anesthesia and muscle relaxation have refined ECT minimizing discomfort and reducing risks to a level far lower than those experienced by patients using psychotropic drugs routinely prescribed for the same problems Clarifying the many misconceptions surrounding ECT Electroshock is an excellent sourcebook for patients their families and mental health professionals

*Pushbutton Psychiatry* Timothy W Kneeland, 2016-06-03 This volume uncovers the roots of electroshock in America an outgrowth of western patriarchal medicine with primarily female patients The authors trace the history of electroshock in the United States in three historic stages from an enthusiastic reception in 1940 to a period of crisis in the 1960s to its resurgence after 1980 Early American experiments with electrical medicine are also examined while the development of electroshock in America is considered through the lens of social political and economic factors The revival of electroshock in recent decades is found to be a product of growing materialism in American psychiatry and the political and economic realities of managed medical care The new material in the Updated Paperback Edition describes the resurgence of electroshock in the private psychiatric sector as a treatment of choice for depression

**The Clinical Science of Electroconvulsive Therapy** C. Edward Coffey, 1993 This volume presents a timely account of the present state of ECT research and clinical practice and the irreplaceable niche ECT occupies in the treatment hierarchy of severe mental illness Interdisciplinary contributors to *The Clinical Science of Electroconvulsive Therapy* use both longitudinal and cross sectional perspectives to synthesize the latest information on ECT This book reviews comprehensively and carefully today's knowledge of indications techniques clinical outcomes and mechanisms of action of ECT

*Electroconvulsive Therapy* Charlotte

Kenton,1985     The Electroconvulsive Therapy Workbook Alan Dr Weiss,2017 Electroconvulsive Therapy ECT remains one of the most effective forms of neurostimulation for severe mental illness The Electroconvulsive Therapy Workbook is a practical guide to the clinical application of ECT in psychiatric practice internationally Integrating the history of ECT with recent advances in practice and clinical experience the book is richly illustrated with historical and technical images and includes clinical wisdom sections which present clinical scenarios and problem solving questions The companion website outlines regionally specific legislation governing ECT practice practice guidelines and other key issues This book is essential reading for any mental health professionals who require a comprehensive understanding of current ECT practice Provided by publisher     *Doctors of Deception* Linda Andre,2009-02-04 Mechanisms and standards exist to safeguard the health and welfare of the patient but for electroconvulsive therapy ECT used to treat depression and other mental illnesses such approval methods have failed Prescribed to thousands over the years public relations as opposed to medical trials have paved the way for this popular yet dangerous and controversial treatment option Doctors of Deception is a revealing history of ECT or shock therapy in the United States told here for the first time Through the examination of court records medical data FDA reports industry claims her own experience as a patient of shock therapy and the stories of others Andre exposes tactics used by the industry to promote ECT as a responsible treatment when all the scientific evidence suggested otherwise As early as the 1940s scientific literature began reporting incidences of human and animal brain damage resulting from ECT Despite practitioner modifications deleterious effects on memory and cognition persisted Rather than discontinue use of ECT the 5 billion per year shock industry crafted a public relations campaign to improve ECT s image During the 1970s and 1980s psychiatry s PR efforts misled the government the public and the media into believing that ECT had made a comeback and was safe Andre carefully intertwines stories of ECT survivors and activists with legal ethical and scientific arguments to address issues of patient rights and psychiatric treatment Echoing current debates about the use of psychopharmaceutical interventions shown to have debilitating side effects she candidly presents ECT as a problematic therapy demanding greater scrutiny tighter control and full disclosure about its long term cognitive effects     Electroconvulsive and Neuromodulation Therapies Conrad M. Swartz,2009-03-02 Electroconvulsive therapy ECT is a psychiatric treatment involving the induction of a seizure through the transmission of electricity in the brain Because of exploitation movies and greatly heightened drug company promotional activities ECT was used less frequently in the 1980s and 1990s Eventually these movies were understood as unrealistic Now these drugs are increasingly recognized as dangers to body health Because of recent refinements and a far better scientific understanding of the clinical procedures and mechanisms underpinning ECT this treatment modality has seen a resurgence in use and widespread appreciation of its safety This book is the new definitive reference on electroconvulsive and neuromodulation therapies It comprehensively covers the scientific basis and clinical practice of ECT as well as comparisons between ECT and medication therapies including the new generation of antipsychotic

drugs It also provides readers with administrative perspectives and specific details for the management of this modality in clinical practice The new forms of nonconvulsive electrical and magnetic brain stimulation therapy are also covered in detail in a separate section The chapter authors are leading scholars and clinicians

*Multiple-Monitored Electroconvulsive Therapy* Barry M. Maletzky, 2019-06-04 First published in 1981 This book will explain the development and rationale for MMECT document its safety and efficacy and just as importantly describe the equipment and technique in sufficient detail to allow the reader to duplicate it if he desires

**Let's Talk Facts about Electroconvulsive Therapy (ECT)** American Psychiatric Association Staff, Kernberg, 2011-01-03 The APA Let's Talk Facts brochure series is designed to improve mental health by promoting informed factual discussion of psychiatric disorders and their treatments They were developed for educational purposes for the general public and provide answers to commonly asked questions on mental health issues and disorders Electroconvulsive therapy ECT is a medical treatment most commonly used in patients with severe major depression or bipolar disorder that has not responded to other treatments It involves a brief electrical stimulation of the brain while the patient is under anesthesia A patient typically receives ECT 2 to 3 times a week for a total of 6 to 12 treatments depending on the severity of symptoms and how quickly the symptoms respond to the treatment Brochures are sold in packages of 50

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

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## **Table of Contents Electroconvulsive Therapy**

1. Understanding the eBook Electroconvulsive Therapy
  - The Rise of Digital Reading Electroconvulsive Therapy
  - Advantages of eBooks Over Traditional Books
2. Identifying Electroconvulsive Therapy
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Electroconvulsive Therapy
  - User-Friendly Interface
4. Exploring eBook Recommendations from Electroconvulsive Therapy
  - Personalized Recommendations
  - Electroconvulsive Therapy User Reviews and Ratings
  - Electroconvulsive Therapy and Bestseller Lists
5. Accessing Electroconvulsive Therapy Free and Paid eBooks
  - Electroconvulsive Therapy Public Domain eBooks
  - Electroconvulsive Therapy eBook Subscription Services

- Electroconvulsive Therapy Budget-Friendly Options
- 6. Navigating Electroconvulsive Therapy eBook Formats
  - ePub, PDF, MOBI, and More
  - Electroconvulsive Therapy Compatibility with Devices
  - Electroconvulsive Therapy Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Electroconvulsive Therapy
  - Highlighting and Note-Taking Electroconvulsive Therapy
  - Interactive Elements Electroconvulsive Therapy
- 8. Staying Engaged with Electroconvulsive Therapy
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Electroconvulsive Therapy
- 9. Balancing eBooks and Physical Books Electroconvulsive Therapy
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Electroconvulsive Therapy
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Electroconvulsive Therapy
  - Setting Reading Goals Electroconvulsive Therapy
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Electroconvulsive Therapy
  - Fact-Checking eBook Content of Electroconvulsive Therapy
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
- 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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