

## CRITICAL REVIEW

# Which terms should be used to describe medications used in the treatment of seizure disorders? An ILAE position paper

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## Abstract

A variety of terms, such as “antiepileptic,” “anticonvulsant,” and “antiseizure” have been historically applied to medications for the treatment of seizure disorders. Terminology is important because using terms that do not accurately reflect the action of specific treatments may result in a misunderstanding of their effects and inappropriate use. The present International League Against Epilepsy (ILAE) position paper used a Delphi approach to develop recommendations on English-language terminology applicable to pharmacological agents currently approved for treating seizure disorders. There was consensus that these medications should be collectively named “antiseizure medications”. This term accurately reflects their primarily symptomatic effect against seizures and reduces the possibility of health care practitioners, patients, or caregivers having undue expectations or an incorrect understanding of the real action of these medications. The term “antiseizure” to describe these agents does not exclude the possibility of beneficial effects on the course of the disease and comorbidities that result from the downstream effects of seizures, whenever these beneficial effects can be explained solely by the suppression of seizure activity. It is acknowledged

Emilio Perucca and Jacqueline A. French—co-first authors.

For Affiliations refer page on 6.

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# Seizure Disorders A Pharmacological Approach To Treatment

**Frank J. Dowd, Bart Johnson, Angelo  
Mariotti**



## **Seizure Disorders A Pharmacological Approach To Treatment:**

*Seizure Disorders* Buna Joe Wilder, Joseph Bruni, 1981      **Wyllie's Treatment of Epilepsy** Elaine Wyllie, Gregory D. Cascino, Barry E. Gidal, Howard P. Goodkin, 2012-02-17 In one convenient source this book provides a broad detailed and cohesive overview of seizure disorders and contemporary treatment options For this Fifth Edition the editors have replaced or significantly revised approximately 30 to 50 percent of the chapters and have updated all of them Dr Wyllie has invited three new editors Gregory Cascino MD FAAN at Mayo Clinic adult epileptologist with special expertise in neuroimaging Barry Gidal PharmD at University of Wisconsin a pharmacologist with phenomenal expertise in antiepileptic medications and Howard Goodkin MD PhD a pediatric neurologist at the University of Virginia A fully searchable companion website will include the full text online and supplementary material such as seizure videos additional EEG tracings and more color illustrations      *The Treatment of Epilepsy* Elaine Wyllie, Ajay Gupta, Deepak K. Lachhwani, 2006 Serving as a reference on the epilepsies this fourth edition provides an overview of seizure disorders and contemporary treatment options It brings together the vital work in the neurosciences genetics electroencephalography pediatric and adult neurology neuropharmacology neurosurgery and psychiatry It also talks about epilepsy surgery      *Epilepsy and Movement Disorders* Renzo Guerrini, 2002 The boundaries between epilepsy and movement disorders are difficult to define some syndromes or diseases may combine the two and many manifestations of one are similar to the other For the first time a distinguished international team of specialists comprehensively examines the clinical neurophysiological genetic pharmacological and molecular factors which underlie the relationships and differences between the two disorders They examine the methods for investigating motor cortex excitability and the electrophysiological and chemical characteristics of epilepsies which resemble movement disorders They present a scheme for neurophysiological classification of myoclonic epilepsies and myoclonus and give a detailed analysis of the disorders which cause diagnostic problems in children and adults There is also an innovative up to date review of the genetic syndromes which associate epilepsy and paroxysmal dyskinesias and a review of the drugs used to treat or which may precipitate epilepsy and movement disorders This is essential reading for clinicians and neuroscientists      **Epilepsy: A Comprehensive Guide to Pathophysiology, Diagnosis, and Treatment** Dr. Spineanu Eugenia, 2025-03-12 Dive into the intricate world of epilepsy with our comprehensive guide From unraveling its pathophysiological underpinnings to exploring cutting edge diagnostic techniques our treatise leaves no stone unturned Delve into the complexities of seizure classification epidemiology and risk factors gaining invaluable insights into this neurological condition Navigate through chapters dedicated to neuroimaging genetic studies and emerging surgical techniques offering a holistic understanding of epilepsy management Uncover the role of antiepileptic drugs surgical interventions and lifestyle modifications in seizure control and quality of life enhancement With a multidisciplinary approach we delve into the realms of stress management sleep hygiene and cognitive well being empowering individuals with epilepsy

to lead fulfilling lives Whether you re a healthcare professional researcher or individual living with epilepsy our treatise serves as an indispensable resource shedding light on the latest advancements and guiding you towards optimal epilepsy management

**Encyclopedia of Substance Abuse Prevention, Treatment, and Recovery** Gary L. Fisher,Nancy A. Roget,2009 This collection provides authoritative coverage of neurobiology of addiction models of addiction sociocultural perspectives on drug use family and community factors prevention theories and techniques professional issues the criminal justice system and substance abuse assessment and diagnosis and more

Seizures and Epilepsy Jerome Engel,2013-01-31 This second edition of Seizures and Epilepsy is completely revised due to tremendous advances in the understanding of the fundamental neuronal mechanisms underlying epileptic phenomena as well as current diagnosis and treatment which have been heavily influenced over the past several decades by seminal neuroscientific developments particularly the introduction of molecular neurobiology genetics and modern neuroimaging This resource covers a broad range of both basic and clinical epileptology

Pharmacology and Therapeutics for Dentistry - E-Book John A. Yagiela, Frank J. Dowd, Bart Johnson, Angelo Mariotti, Enid A. Neidle, 2010-03-12 Use your knowledge of pharmacology to enhance oral care Pharmacology and Therapeutics for Dentistry 6th Edition describes how to evaluate a patient s health and optimize dental treatment by factoring in the drugs they take It explores the basic fundamentals of pharmacology special topics such as pain control fear and anxiety and oral complications of cancer therapy and most importantly the actions of specific drug groups on the human body Whether you re concerned about the drugs a patient is already taking or the drugs you prescribe for treatment this book helps you reduce risk and provide effective dental care An emphasis on the dental applications of pharmacology relates drugs to dental considerations in clinical practice Dental aspects of many drug classes are expanded to include antibiotics analgesics and anesthetics The Alternative Medicine in Dentistry chapter discusses chemicals used as alternative medicines and assesses their potential benefits and risks The Nonopioid Analgesics chapter groups together non opioid analgesics nonsteroidal anti inflammatory drugs and antirheumatic and antigout drugs making these easier to locate and study Coverage of the endocrine system includes four separate chapters for the most comprehensive coverage Drug Interactions in Clinical Dentistry appendix lists potential interactions between drugs a patient is taking for nondental conditions and drugs that may be used or prescribed during dental treatment including effects and recommendations Glossary of Abbreviations appendix includes the most common abbreviations used for drugs or conditions New Pharmacogenetics and Pharmacogenomics chapter covers the effects of genetic traits of patients on their responses to drugs A NEW introductory section offers tips for the study of dental pharmacology and relates pharmacology to dental considerations An updated discussion of drug drug interactions covers the harmful effects of mixing medications Coverage of adverse effects and mechanisms of COX 2 inhibitors antibiotic prophylaxis and antiplaque agents explains the dental risks relating to common drug treatments

*NeuroPsychopharmacotherapy* Peter Riederer, Gerd Laux, Toshiharu Nagatsu, Weidong Le, Christian

Riederer,2022-11-04 This book provides a reference guide describing the current status of medication in all major psychiatric and neurological indications together with comparisons of pharmacological treatment strategies in clinical settings in Europe USA Japan and China In addition it highlights herbal medicine as used in China and Japan as well as complementary medicine and nutritional aspects This novel approach offers international readers a global approach in a single dedicated publication and is also a valuable resource for anyone interested in comparing treatments for psychiatric disorders in three different cultural areas There are three volumes devoted to Basic Principles and General Aspects offering a general overview of psychopharmacotherapy Vol 1 Classes Drugs and Special Aspects covering the role of psychotropic drugs in the field of psychiatry and neurology Vol 2 and Applied Psychopharmacotherapy focusing on applied psychopharmacotherapy Vol 3 These books are invaluable to psychiatrists neurologists neuroscientists medical practitioners and clinical psychologists

*Pharmacology and Therapeutics for Dentistry - E-Book* Frank J. Dowd,Bart Johnson,Angelo Mariotti,2016-09-03 Gain a complete understanding of drugs affecting patient care Pharmacology and Therapeutics for Dentistry 7th Edition describes how to evaluate a patient s health and optimize dental treatment by factoring in the drugs they take It explores the basic principles of pharmacology the ways that drugs affect the body and the potential for adverse drug interactions Developed by Frank Dowd Barton Johnson and Angelo Mariotti with chapters from a team of expert contributors this is the only book written by dental pharmacologists for the dental market Whether you re concerned about the drugs a patient is already taking or the drugs you prescribe for treatment this book helps you reduce risk and provide effective dental care Concise comprehensive coverage helps you provide safe and effective dental care exploring the fundamentals of pharmacology and clearly explaining actions of specific drug groups on systems in the human body in addition to covering special topics such as pain control fear and anxiety and oral complications of cancer therapy An emphasis on the dental applications of pharmacology shows how to evaluate a patient s health and optimize dental treatment by factoring in any medications the patient may be taking Practical appendices provide easy access to essential information summarizing topics such as drug interactions in clinical dentistry antiseptics and disinfectants herbs controlled substances protein biopharmaceuticals drugs used to treat glaucoma and abbreviations Clinical Rationale for and Significance of Prescription Writing chapter and two appendices on drug prescribing cover both the medications that a patient may already be taking and drugs that a dentist may prescribe for treatment Nearly 50 expert contributors represent a diverse authoritative panel of authors from many of the major dental schools NEW Reorganized content is more concise more relevant and more visual with a stronger focus on what you need to know for clinical practice NEW Case studies at the beginning of chapters and case discussions at the end help you connect pharmacologic concepts and principles with clinical practice NEW summary tables and boxes provide quick reference to vital information and include all new tables on drug indications and mechanisms NEW Full color design and illustrations are added to this edition enhancing realism and visual learning NEW companion website provides references

linked to PubMed NEW Bullet points list key information at the beginning of each chapter highlighting need to know concepts

**Oxford Textbook of Epilepsy and Epileptic Seizures** Samden Lhatoo, 2012-12-20 Part of the Oxford Textbooks in Clinical Neurology OTCN series this volume covers the scientific basis clinical diagnosis and treatment of epilepsy and epileptic seizures and is complemented by an online edition

*Psychiatric and Behavioural Disorders in Intellectual and Developmental Disabilities* Nick Bouras, Geraldine Holt, 2007-02-15 Entirely revised and updated this edition of a very well received and successful book provides the essentials for all those involved in the fields of intellectual developmental and learning disabilities and mental retardation drawing both on clinical experience and the latest research findings An international multidisciplinary team of experts cover the available literature in full and bring together the most relevant and useful information on mental health and behavioural problems of people with intellectual developmental and learning disabilities and mental retardation In addition this book highlights the principles behind clinical practice for assessment management and services It offers hands on practical advice for psychiatrists psychologists nurses therapists social workers managers and service providers

Treatments of Psychiatric Disorders ,1989 Valproic Acid National Institute of Neurological and Communicative Disorders and Stroke. Neurological Disorders Program, 1978 This bibliography is published to aid in the dissemination of information about valproic acid to advance the treatment of persons with seizures and to stimulate research in antiepileptic drug therapy 734 references to worldwide journal articles and monographic literature available as of Oct 1 1978 Classified arrangement Subject keyword author indexes

**Indexes to the Epilepsy Accessions of the Epilepsy Information System** J. Kiffin Penry, 1978

**Encyclopedia of Basic Epilepsy Research** ,2009-05-27 As a truly translational area of biomedical investigation epilepsy research spans an extraordinary breadth of subjects and involves virtually every tool that modern neuroscience has at its disposal The Encyclopedia of Basic Epilepsy Research provides an up to date comprehensive reference for all epilepsy researchers With an expert list of authors the encyclopedia covers the full spectrum of research activities from genes and molecules to animal models and human patients The encyclopedia's electronic format also provides unparalleled access to frequent updates and additions while the limited edition print version provides another option for owning this content The Encyclopedia of Basic Epilepsy Research is an essential resource for researchers of all levels and clinicians who study epilepsy The only comprehensive reference for basic research and current activities in epilepsy Electronic format provides fast and easy access to updates and additions with limited print version available as well Contains over 85 articles all written by experts in epilepsy research

**Current Catalog** National Library of Medicine (U.S.), First multi year cumulation covers six years 1965 70

**Textbook of Acute Internal Medicine** Laurence B. Gardner, 1986

**Psychogenic Nonepileptic Seizures** Barbara A. Dworetzky, Gaston Baslet, 2017 Psychogenic nonepileptic seizures PNES are attacks that mimic epileptic seizures but are not caused by abnormal electrical discharges in the brain Instead PNES are typically considered involuntary expressions of distress making

diagnosis and treatment a challenge Historically patients are referred to neurologists who after completing a diagnostic work up refer patients to mental health professionals including psychiatrists for treatment For a number of reasons this transition of care between specialists is often not successful and this impacts patient treatment and outcomes Psychogenic Nonepileptic Seizures Toward the Integration of Care offers new insights into the practical diagnostic and treatment challenges faced by clinicians who manage this condition This book covers the different stages of care from the initial evaluation to long term outcomes and highlights the need to work collaboratively to provide patients with comprehensive care and improved outcomes It provides up to date evidence and shares clinical expertise for the management of this challenging diagnosis that requires the expertise of a multi disciplinary team The authors provide a new framework on how to conceptualize and manage this disorder to more effectively address the needs of patients      *What Works for Whom?, Second Edition* Peter Fonagy,David Cottrell,Jeannette Phillips,Dickon Bevington,Danya Glaser,Elizabeth Allison,2015-11-12 The standard reference in the field this acclaimed work synthesizes findings from hundreds of carefully selected studies of mental health treatments for children and adolescents Chapters on frequently encountered clinical problems systematically review the available data identify gaps in what is known and spell out recommendations for evidence based practice The authors draw on extensive clinical experience as well as research expertise Showcasing the most effective psychosocial and pharmacological interventions for young patients they also address challenges in translating research into real world clinical practice New to This Edition Incorporates over a decade of research advances and evolving models of evidence based care New chapter topic child maltreatment Separate chapters on self injurious behavior eating disorders and substance use disorders previously covered in a single chapter on self harming disorders Expanded chapters on depression anxiety and conduct disorder Includes reviews of the burgeoning range of manualized psychosocial treatment packages for children

## Adopting the Melody of Term: An Psychological Symphony within **Seizure Disorders A Pharmacological Approach To Treatment**

In a world eaten by screens and the ceaseless chatter of instantaneous interaction, the melodic splendor and emotional symphony produced by the prepared term usually disappear into the back ground, eclipsed by the constant sound and disturbances that permeate our lives. But, located within the pages of **Seizure Disorders A Pharmacological Approach To Treatment** a wonderful literary treasure overflowing with natural thoughts, lies an immersive symphony waiting to be embraced. Constructed by a masterful composer of language, this charming masterpiece conducts readers on a psychological trip, well unraveling the hidden melodies and profound affect resonating within each cautiously crafted phrase. Within the depths with this moving analysis, we shall investigate the book is main harmonies, analyze its enthralling publishing model, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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