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Off-Label indications for atypical antipsychotics: a systematic review

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Background

With the introduction of newer atypical anti-psychotic agents, a question emerged, concerning their use as complementary pharmacotherapy or even as monotherapy in mental disorders other than psychosis.

Material and Methods

MEDLINE was searched with the combination of each one of the key words: risperidone, olanzapine and quetiapine with key words that referred to every DSM-IV diagnosis other than schizophrenia and other psychotic disorders, bipolar disorder and dementia and memory disorders. All papers were scored on the basis of the IADAD index.

Results

The search returned 483 papers. The selection process restricted the sample to 59 papers concerning Risperidone, 37 concerning Olanzapine and 4 concerning Quetiapine (100 in total). Ten papers (7 concerning Risperidone and 3 concerning Olanzapine) had IADAD index above 2. Data suggest that further research would be of value concerning the use of risperidone in the treatment of refractory OCD, Pervasive Developmental disorder, stuttering and Tourette's syndrome, and the use of olanzapine for the treatment of refractory depression and borderline personality disorder.

Discussion

Data on the off-label usefulness of newer atypical antipsychotics are limited, but positive cues suggest that further research may provide with sufficient hard data to warrant the use of these agents in a broad spectrum of psychiatric disorders, either as monotherapy, or as an augmentation strategy.

Off Label Indications For Atypical Antipsychotics A Systematic Review

Annelies Wilder-Smith



Off Label Indications For Atypical Antipsychotics A Systematic Review:

Off-Label Indications for Atypical Antipsychotics Applied Research Press, 2015-08-16 With the introduction of newer atypical antipsychotic agents a question emerged concerning their use as complementary pharmacotherapy or even as monotherapy in mental disorders other than psychosis Data on the off label usefulness of newer atypical antipsychotics are limited but positive cues suggest that further research may provide with sufficient hard data to warrant the use of these agents in a broad spectrum of psychiatric disorders either as monotherapy or as an augmentation strategy

The American Psychiatric Association Practice Guideline on the Use of Antipsychotics to Treat Agitation or Psychosis in Patients With Dementia American Psychiatric Association, 2016 The guideline offers clear concise and actionable recommendation statements to help clinicians to incorporate recommendations into clinical practice with the goal of improving quality of care Each recommendation is given a rating that reflects the level of confidence that potential benefits of an intervention outweigh potential harms

The Maudsley Prescribing Guidelines in Psychiatry David M. Taylor, Carol Paton, Shitij Kapur, 2015-04-01 The fully updated 12th edition of an essential reference for anyone responsible for prescribing drugs for patients with mental health disorders A well respected and widely used source of information on which drugs to prescribe which side effects to look out for how best to augment or switch drugs and more Provides concise reviews of psychiatric disorders and relevant psychopharmacology along with general guidance based on the data reviewed and current clinical practice Includes specific guidance for schizophrenia bipolar disorder depression anxiety substance abuse and special populations such as children the elderly and pregnant women Each section features a full reference list so the evidence base can be checked quickly and easily This title is also available as a mobile App from MedHand Mobile Libraries Buy it now from iTunes Google Play or the MedHand Store

Evidence-based Medical Consultation Daniel I. Steinberg, Jennifer S. Myers, Chitra Komal Jaipaul, 2007-01-01 This handbook delivers the assistance you need to provide timely and effective evidence based consultations for a range of commonly encountered clinical situations This book will help you navigate the most common clinical scenarios requiring medical consultation by reviewing 20 25 clinical questions for each patient type locate evidence based answers for each question collected from the latest clinical findings and find the information you need quickly thanks to a user friendly format

Off-label Use of Atypical Antipsychotics, 2011 OBJECTIVES Antipsychotic medications are approved by the U S Food and Drug Administration FDA for treatment of schizophrenia bipolar disorder and for some drugs depression We performed a systematic review on the efficacy and safety of atypical antipsychotic drugs for use in conditions lacking FDA approval DATA SOURCES We searched PubMed Embase PsycINFO CINAHL Cumulative Index to Nursing and Allied Health Literature Cochrane DARE Database of Abstracts of Reviews of Effects and Cochrane CENTRAL Cochrane Central Register of Controlled Trials from inception to May 2011 We included only English language studies REVIEW METHODS Controlled trials comparing an atypical

antipsychotic risperidone olanzapine quetiapine aripiprazole ziprasidone asenapine iloperidone paliperidone to either placebo another atypical antipsychotic drug or other pharmacotherapy for the off label conditions of anxiety disorder attention deficit hyperactivity disorder dementia and severe geriatric agitation major depressive disorder eating disorders insomnia obsessive compulsive disorder OCD post traumatic stress disorder PTSD personality disorders substance abuse and Tourette s syndrome were included Observational studies with sample sizes greater than 1 000 were included to assess rare adverse events Two investigators conducted independent article review data abstraction and study quality assessment RESULTS One hundred seventy trials contributed data to the efficacy review Among the placebo controlled trials of elderly patients with dementia reporting a total global outcome score that includes symptoms such as psychosis mood alterations and aggression small but statistically significant effect sizes ranging from 0.12 and 0.20 were observed for aripiprazole olanzapine and risperidone For generalized anxiety disorder pooled analysis of three large trials showed that quetiapine was associated with a 26 percent greater likelihood of responding defined as at least 50 percent improvement on the Hamilton Anxiety Scale compared with placebo For obsessive compulsive disorder risperidone was associated with a 3.9 fold greater likelihood of responding defined as a 25 to 35 percent improvement on the Yale Brown Obsessive Compulsive Scale YBOCS compared with placebo We identified 6 trials on eating disorders 12 on personality disorder an existing meta analysis and 10 trials of risperidone or olanzapine for PTSD 36 trials for depression of which 7 assessed drugs without an FDA approved indication and 33 trials of aripiprazole olanzapine quetiapine or risperidone for treating substance abuse disorders We identified one small trial N=13 of atypical antipsychotics for insomnia which was inconclusive For eating disorder patients specifically evidence shows that atypicals do not cause significant weight gain The level of evidence is mixed regarding personality disorders and moderate for an association of risperidone with improving post traumatic stress disorder Evidence does not support efficacy of atypical antipsychotics for substance abuse In elderly patients adverse events included an increased risk of death number needed to harm NNH 87 stroke for risperidone NNH 53 extrapyramidal symptoms for olanzapine NNH 10 and risperidone NNH 20 and urinary symptoms NNH from 16 to 36 In nonelderly adults adverse events included weight gain particularly with olanzapine fatigue sedation akathisia for aripiprazole and extrapyramidal symptoms Direct comparisons of different atypical antipsychotics for off label conditions are rare CONCLUSIONS Benefits and harms vary among atypical antipsychotics for off label usage For symptoms associated with dementia in elderly patients small but statistically significant benefits were observed for aripiprazole olanzapine and risperidone Quetiapine was associated with benefits in the treatment of generalized anxiety disorder and risperidone was associated with benefits in the treatment of OCD however adverse events were common

Clinical Neuroscience Lisa Weyandt, 2018-12-07 Clinical Neuroscience offers a comprehensive overview of the biological bases of major psychological and psychiatric disorders and provides foundational information regarding the anatomical and physiological principles of brain functioning In addition the book

presents information concerning neuroplasticity pharmacology brain imaging and brain stimulation techniques Subsequent chapters address specific psychological disorders and neurodegenerative diseases including major depressive and bipolar disorders anxiety schizophrenia disorders of childhood origin and addiction as well as neurodegenerative disorders such as Parkinson s and Alzheimer s diseases This highly readable textbook expands case examples and illustrations to discuss the latest research findings in clinical neuroscience from an empirical interdisciplinary perspective

Overprescribed United States. Congress. Senate. Special Committee on Aging,2012

Safety and side effects of psychotropic medications Mireia Solerdelcoll,Renato de Filippis,Mohammadreza Shalbafan,2023-03-14

Psychopharmacological Issues in Geriatrics Unax Lertxundi,Juan Medrano,Rafael Hernández,2015-04-28 Demographic changes due to improved life expectancy and access to medical care has increased the number of people aged 65 years and beyond This raises an important new challenge for healthcare professionals Changes in organ functions homeostatic mechanisms and receptor responsiveness impair drug distribution metabolism and excretion and reduce the effectiveness of medicines among geriatric patients As a consequence management of medical regimens is much more challenging in the elderly than in younger adult patients Elderly patients are also more susceptible than other age groups to certain drug drug interactions drug disease interactions and adverse drug reactions owing to the number of drugs administered Polypharmacy and potentially inappropriate medication is a common finding in the elderly healthcare and it is considered a public health issue related to morbidity mortality and health care resource use Psychopharmacological Issues in Geriatrics can be regarded as a pharmacovigilance manual for elderly patients as it presents recommendations for geriatric prescription with specific considerations The book also provides a comprehensive review of specific classes of psychopharmacological agents used to treat geriatric patients including antipsychotics anxiolytics hypnotics and mood stabilizers The book is intended as a handbook for general medical and nursing practitioners

Psychiatry in Practice Andrea Fiorillo,Umberto Volpe,Dinesh Bhugra,2016-03-03 Psychiatry in Practice Education Experience and Expertise provides detailed advice and useful tips for early career psychiatrists and all others who wish to enhance their practical psychiatry skills Each chapter is written by prominent early career psychiatrists from around the world offering relevant and timely advice to those who are newly qualified as well as a global perspective on the practical issues faced today Covering a variety of topics from Psychiatric Emergencies to Ethics and clinical practice in psychiatry chapters include vignettes of scenarios that may be encountered making this book pertinent and easily applicable to many early career situations Skills related to personal management and managing resources are often not taught during training but are key to establishing a career in psychiatry this book will help the new clinician to develop professionally The emphasis on practicality ensures psychiatrists are prepared for the needs of the modern health service and society at large and ensures patients across the world experience the best treatment available

Bipolar Disorder Kostas N. Fountoulakis,2014-12-02 This book examines in detail the diagnostic approach to manic

depressive bipolar illness with special reference to the borderline zones with unipolar depression and schizoaffective disorder Among other diagnostic issues considered are mixed episodes often misdiagnosed by psychiatrists rapid cycling and the confusion with personality disorders Within the context of diagnosis and understanding of the dynamics of bipolar disorder temperament character and personality are all extensively discussed Neurocognitive deficit and disability are covered as are elements of evolutionary biology and behavior With regard to treatment the major focus is on evidence based therapy with reference to the results of randomized controlled trials and meta analyses in addition contemporary guidelines and future trends are examined Careful consideration is also given to the psychosocial treatment approach and issues relating to societal and economic costs and burdens

The Recognition and Management of Early Psychosis Henry J. Jackson, Patrick D. McGorry, 2009-02-19 Psychotic illness is managed and treated with best results when it is recognized at the earliest stages of a person developing the disorder or when that person is identified as being at high risk of doing so Describing a stage specific model highlighting the risk the clinical and biological factors present during the development of the illness and the best treatments available for each of these stages this new edition will guide practitioners and researchers in the adoption of carefully planned management strategies fully integrating treatment with prevention Issues such as resistance to drugs and vocational recovery are covered with related topics such as service organization and community education This will be essential reading for all those involved in the care of people with early psychotic illness or those responsible for the organization of services

Psychopharmacology of Neurologic Disease, 2019-11-12 Psychopharmacology of Neurologic Disease Volume 165 in the Handbook of Clinical Neurology series provides clinicians with an up to date critical review of the best approaches to treatment of neurologic disease as discussed by experienced clinical investigators The book is organized into sections on dementia delirium movement disorders hereditary degenerative disease epilepsy and psychogenic seizures brain vascular disease pseudobulbar affect traumatic brain injury neuro oncology multiple sclerosis and other demyelinating disorders chronic fatigue syndrome fibromyalgia pain headache sleep disorders autoimmune encephalitis anti NMDA encephalitis functional sensory neurologic symptom disorders and neurodevelopmental disorders Each of these diagnostic categories has a significant incidence of behavioral symptomatology that is secondary to the neurologic diagnosis that can serve to complicate other therapeutic interventions alter the course of illness and cause distress in patients and family caregivers Provides a systematic evidence based compendium of best practices in the treatment of behavioral symptomatology relating to neurologic conditions Integrates state of the art approaches in treating all behavioral symptomatology across all major neurologic disorders Explores psychopharmacological intervention non pharmacological strategies behavioral symptomatology and therapeutic interventions

The Borderline Child MD Karin E. Burkhard, 2019-01-07 Borderline Personality Disorder is a serious illness that has historically been misunderstood misdiagnosed and mistreated It has been wrongfully stigmatized in the medical community It is in fact a very treatable

condition with increasingly positive results when identified early and addressed appropriately Thankfully recent developments in the fields of Psychiatry and Psychology have enhanced the understanding and treatment of the Borderline Syndrome in adults and adolescents Also in recent years it has become evident that Borderline Personality Disorder is much more prevalent in children than it is actually diagnosed It has been one of the most under recognized and misdiagnosed conditions in Child Psychiatry Until now there has been little information available to help the understanding and management of this disorder as it emerges in younger children Early recognition and treatment is critical to positive outcome This is a practical guide for parents and professionals in navigating the perilous territory of the Borderline Child Parents will be empowered by a clearer understanding of their child and how to help them It will behoove the professional reading these chapters to see the Borderline Child from the parent perspective and use this dimensional map in formulating a comprehensive treatment plan A systematic multidimensional mindful approach is the key to success and in maintaining your own well being while doing this important and challenging work Take from it what you can for your best highest good We are all in this together

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

Clinical Guidelines for Advanced Practice Nursing Geraldine M. Collins-Bride, JoAnne M. Saxe, Karen G. Duderstadt, Rebekah Kaplan, 2016-03-16 Clinical Guidelines for Advanced Practice Nursing An Interdisciplinary Approach Third Edition is an accessible and practical reference designed to help nurses and students with daily clinical decision making Written in collaboration with certified nurse midwives clinical nurse specialists nurse practitioners nutritionists pharmacists and physicians it fosters a team approach to health care Divided into four areas Pediatrics Gynecology Obstetrics and Adult General Medicine and following a lifespan approach it utilizes the S O A P Subjective Objective Assessment Plan format Additionally the authors explore complex chronic disease management health promotion across the lifespan and professional and legal issues such as reimbursement billing and the legal scope of practice The Third Edition has a keen focus on gerontology to accommodate the AGNP specialty and to better assist the student or clinician in caring for the

aging population The authors follow the across the life span approach and focus on common complete disorders Certain chapters have been revised and new chapters have been added which include Health Maintenance for Older Adults Frailty Common Gerontology Syndromes Cancer Survivorship Lipid Disorders Acne pediatrics section Please note that the 2016 CDC Guidelines for prescribing opioids for chronic pain in the United States were not yet available at the time the authors were updating the Third Edition See the Instructor Resources tab to read a note from the authors about their recommendations for resources around these guidelines

Update in the Medical Management of the Long Term Care Patient, An Issue of Clinics in Geriatric Medicine Miguel A. Paniagua,2011-05-28 This issue brings the geriatrician up to date on topics in Longer Term Care such as Doing Dementia Better Anthropological Insights Update on teaching in the Long Term Care Setting Pneumonia in the Long Term Resident Palliative Care for Patients with Dementia in Long Term Care Urinary Tract Infections in Long Term Care Residents and Nausea and Other Non Pain Symptoms in Long term Care [The Science and Ethics of Antipsychotic Use in Children](#) Nina Di Pietro,Judy Illes,2015-04-25 The Science and Ethics of Antipsychotic Use in Children reviews the latest findings for the safety and efficacy of the rapidly rising incidence of antipsychotic use in children and examines tensions that are created by off label use both in clinical psychiatric practice and research In the past ten years the number of antipsychotics prescribed to children with psychiatric disorders has skyrocketed Despite this rapid growth most medications have been inadequately studied in children for safety or efficacy and many have serious adverse health Measures are needed to ensure that the health and safety of children are being protected and debates have emerged over whether or not clinical trials in this population should be conducted Offers coverage of efficacy prevalence and adverse impacts of the use of antipsychotics in children Explores ethics challenges of clinical research in this patient population Serves as a platform for future discussions designed to increase the safety of children taking antipsychotics Edited work with chapters authored by leading neuroethicists in the field around the globe the broadest most expert coverage available

Cognitive Neurology ,2008 Many clinicians within neurology remain unaware of the significant advances that have taken place in the field of cognitive neuroscience in the last decades and how these might affect clinical practice This book provides an introduction to the cognitive and behavioral aspects of the clinical practice of neurology *A Guide to Treatments That Work* Peter E. Nathan,Jack M. Gorman,2015-06-26 Like its predecessors this fourth edition of A Guide to Treatments That Work offers detailed chapters that review the latest research on pharmacological and psychosocial treatments that work for the full range of psychiatric and psychological disorders written in most instances by clinical psychologists and psychiatrists who have been major contributors to that literature Similarly the standards by which the authors were asked to evaluate the methodological rigor of the research on treatments have also remained the same Each chapter in A Guide to Treatments That Work follows the same general outline a review of diagnostic cues to the disorder a discussion of changes in the nomenclatures from DSM IV to DSM 5 and then a systematic review of research most of which has been reported within the

last few years that represents the evidence base for the treatments reviewed In all 26 of the volume s 28 chapters review the evidence base for 17 major syndromes Featuring this coverage is a Summary of Treatments that Work an extended matrix offering a ready reference by syndrome of the conclusions reached by the chapter authors on treatments that work reviewed in their chapters New to this edition are two chapters at the beginning of the book Chapter 1 details two perplexing issues raised by critics of DSM 5 the unrealized potential of neuroscience biomarkers to yield more accurate and reliable diagnoses and the lingering problem of conflicts of interest in pharmaceutical research Chapter 2 contrasts Native American and western ways of identifying effective treatments for mental and physical disorders concluding that evidence informed culture based interventions sometimes constitute best practices in Native communities Two chapters detailing pharmacological treatments for pediatric bipolar disorder Chapter 9 and pediatric depressive disorder Chapter 12 have also been added More than three quarters of the chapters are written by colleagues who also contributed to most or all of the previous editions Hence this new edition provides up to date information on the quality of research on treatment efficacy and effectiveness provided by individuals who know the research best

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