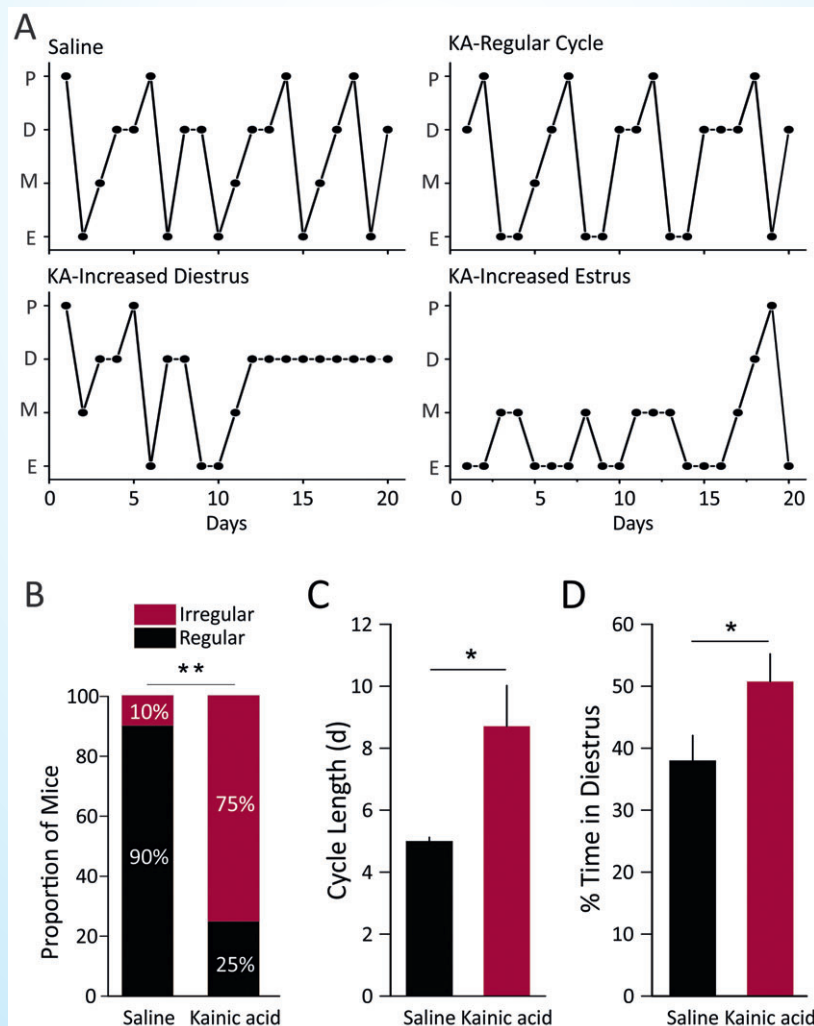
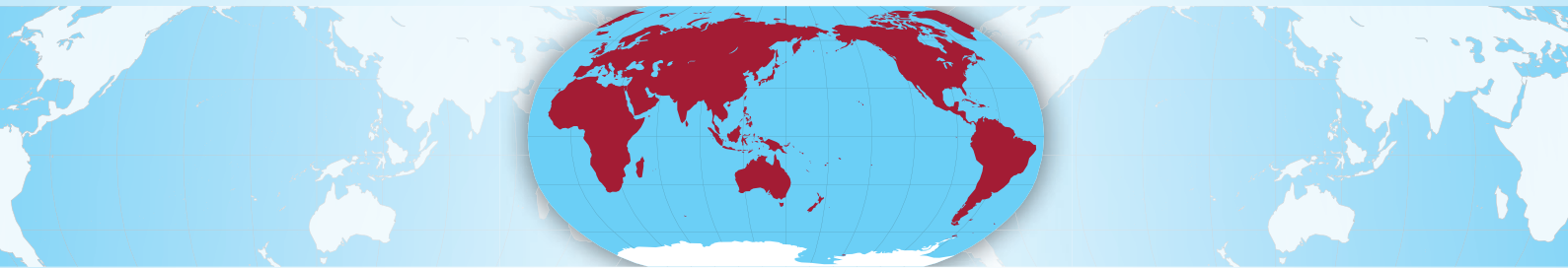


Epilepsia Open

Open Access

The Open Access Journal of the International League Against Epilepsy



Epilepsia Open

Open Access

Volume 2, Number 1, March 2017

Cover

Individual estrous cycle graphs (A) and disruption of estrous cyclicity (B) in mice injected with kainic acid (KA) in the hippocampus. For details, see Li et al. (pp. 39 – 47).

Epilepsia Open is a member of the Committee on Publication Ethics (COPE)



Disclaimer

The Publisher, the International League Against Epilepsy, and Editors cannot be held responsible for errors or any consequences arising from the use of information contained in this journal; the views and opinions expressed do not necessarily reflect those of the Publisher, International League Against Epilepsy, and Editors, neither does the publication of advertisements constitute any endorsement by the Publisher, International League Against Epilepsy, and Editors of the products advertised.

Publisher

Epilepsia Open is published by Wiley Periodicals, Inc. 350 Main St. Malden, MA 02148-5020

Visit our **Online Customer Help** available in 7 languages at www.wileycustomerhelp.com

Production Editor: Michelle McCauley (email: epi4@wiley.com)

Wiley's Corporate Citizenship initiative seeks to address the environmental, social, economic, and ethical challenges faced in our business and which are important to our diverse stakeholder groups. Since launching the initiative, we have focused on sharing our content with those in need, enhancing community philanthropy, reducing our carbon impact, creating global guidelines and best practices for paper use, establishing a vendor code of ethics, and engaging our colleagues and other stakeholders in our efforts.

Follow our progress at www.wiley.com/go/citizenship

Epilepsia Open

Open Access

EDITORS-IN-CHIEF

Aristea Galanopoulou
The Albert Einstein College of
Medicine
Bronx, NY, USA

Dieter Schmidt
Emeritus Professor of
Neurology
Berlin, Germany

Xuefeng Wang
The First Affiliated Hospi-
tal of Chongqing Medical
University
Chongqing, China

Gary Mathern
David Geffen School of
Medicine
University of California
Los Angeles, CA, USA

ASSOCIATE EDITORS

Ettore Beghi
Milan, Italy
Kees Braun
Utrecht, The Netherlands
Mark Cook
Melbourne, Australia
Roland Coras
Erlangen, Germany

Jan Gorter
Amsterdam, The Netherlands
Lara Jehi
Cleveland, OH, USA
Andrey Mazarati
Los Angeles, CA, USA
Terence O'Brien
Parkville, VIC, Australia

Manisha Patel
Aurora, CO, USA
Philippe Ryvlin
Lyon, France
Rainer Surges
Bonn, Germany

Michael Rogawski
Davis, California, USA
Michael Wong
St Louis, MO, USA

EDITORIAL BOARD

Ozlem Akman
Istanbul, Turkey
Melissa Barker-Haliski
Seattle, WA, USA
Sallie Baxendale
London, United Kingdom
Neda Bernasconi
Montreal, QC, Canada
Ingmar Blümcke
Erlangen, Germany
Claudia Brandt
Hannover, Germany
Chad Carlson
Milwaukee, WI, USA
Carlos Cepeda
Los Angeles, CA, USA

Petia Dimova
Sofia, Bulgaria
Raymond Dingledine
Atlanta, GA, USA
Elizabeth Donner
Toronto, ON, Canada
Nigel Jones
Parkville, VIC, Australia
Shilpa Kadam
Baltimore, MD USA
Kheng Seang Lim
Kuala Lumpur, Malaysia
Iscia Lopes-Cendes
Campinas, Brazil
David McArthur
Los Angeles, CA, USA

Marco Medina
Tegucigalpa, Honduras
Wenzhu Mowrey
New York, NY, USA
Marco Mula
London, United Kingdom
Rima Nababout
Paris, France
Tomonori Ono
Omura, Japan
Asla Pitkanen
Kuopio, Finland
Joseph Raimondo
Cape Town, South Africa
Jong M. Rho
Calgary, AB, Canada

Harvey Sarnat
Calgary, AB, Canada
Stephan Schuele
Chicago, IL, USA
Prabha Siddarth
Los Angeles, CA, USA
Michele Simonato
Ferrara, Italy
Roland Thijis
Heemstede, The Netherlands
Igor Timofeev
Québec, QC, Canada
Sarah Wilson
Melbourne, VIC, Australia
Elaine Wirrell
Rochester, MN, USA

ILAE EXECUTIVE COMMITTEE

Emilio Perucca
Pavia, Italy
A. Gallo Diop
Dakar, Senegal
Sheryl Haut
Bronx, NY, USA
Sari Tervonen
Helsinki, Finland
Aristea Galanopoulou
Bronx NY, USA

Tatsuya Tanaka
Asahikawa, Japan
Byung-In Lee
Seoul, Korea
Astrid Nehlig
Paris, France
Robert Cole
Adelaide, Australia
Dieter Schmidt
Berlin, Germany

J. Helen Cross
London, UK
Hassan Hosny
Cairo, Egypt
Michael Sperling
Philadelphia, PA, USA
Alexis Arzimanoglou
Lyon, France
Xuefeng Wang
Chongqing, China

Samuel Wiebe
Calgary Canada
Meir Bialer
Jerusalem, Israel
Gary Mathern
Los Angeles, CA, USA
Edward Bertram
Charlottesville, VA, USA
Jean Gotman
Montreal, Canada

Solomon Moshé
Bronx, NY, USA
Marco Medina
Tegucigalpa, Honduras
Athanasios
Covans Athens, Greece
Jaime Carrizosa
Medellin, Colombia
Torbjörn Tomson
Stockholm, Sweden

EDITORIAL AND PRODUCTION STAFF

MANAGING EDITOR
Laurie Beninsig
epilepsia-open@epilepsia.com

PRODUCTION EDITOR
Michelle McCauley
epi4@wiley.com

EDITOR
Jamie Wielgus
Wiley
350 Main Street
Malden, MA 02180

TABLE OF CONTENTS

Volume 2, Number 1, March 2017

LIST OF REVIEWERS

7

Thank you to our Reviewers of 2016

Aristea S. Galanopoulou, Dieter Schmidt, Xuefeng Wang and Gary W. Mathern

doi: 10.1002/epi4.12039

CRITICAL REVIEW

8

Prevalence, causes, and behavioral and emotional comorbidities of acute symptomatic seizures in Africa: A critical review

Symon M. Kariuki, Amina Abubakar, Alan Stein, Kevin Marsh and Charles R. J. C. Newton

doi: 10.1002/epi4.12035; Published online: January 24, 2017

INVITED ORIGINAL RESEARCH

20

EpiNet as a way of involving more physicians and patients in epilepsy research: Validation study and accreditation process

Peter S. Bergin, Ettore Beghi, Lynette G. Sadleir, Alice Brockington, Manjari Tripathi, Mark P. Richardson, Elisa Bianchi, Kavita Srivastava, Jayaganth Jayabal, Benjamin Legros, Michel Ossemann, Nicole McGrath, Alberto Verrotti, Hui Jan Tan, Simone Beretta, Richard Frith, Ivan Iniesta, Emma Whitham, Jithangi Wanigasinghe, Birinus Ezeala-Adikaibe, Pasquale Striano, Ian Rosemergy, Elizabeth B. Walker, Maia Alkhidze, Ildefonso Rodriguez-Leyva, Jose Alfredo Ramírez González, Wendy J. D'Souza and on behalf of the EpiNet Study Group

doi: 10.1002/epi4.12033; Published online: January 3, 2017

FULL-LENGTH ORIGINAL RESEARCH

32

Investigator-initiated randomized controlled trials in children with epilepsy: Mission impossible?

Amerins Weijenberg, Petra M. C. Callenbach and Oebele F. Brouwer for the LEV-VPA Study Group

doi: 10.1002/epi4.12024; Published online: November 14, 2016

TABLE OF CONTENTS

Volume 2, Number 1, March 2017

FULL-LENGTH ORIGINAL RESEARCH

39

Disrupted female estrous cyclicity in the intrahippocampal kainic acid mouse model of temporal lobe epilepsy

Jiang Li, Jae Seong Kim, Vincent A. Abejuela, Jason B. Lamano, Natalie J. Klein and Catherine A. Christian
doi: 10.1002/epi4.12026; Published online: December 5, 2016

48

Dissociation of spontaneous seizures and brainstem seizure thresholds in mice exposed to eight flurothyl-induced generalized seizures

Sridhar B. Kadiyala and Russell J. Ferland
doi: 10.1002/epi4.12031; Published online: December 19, 2016

59

Behavioral disinhibition and antiepileptic treatment in childhood epilepsy: A retrospective cohort study

Diana C. van Tuijl, Rolf H. H. Groenwold, Chantal Vlaskamp, Jolien S. van Campen, Kees P. J. Braun, Floor E. Jansen and Hilgo Bruining
doi: 10.1002/epi4.12032; Published online: January 18, 2017

67

Diagnostic accuracy between readers for identifying electrographic seizures in critically ill adults

Bin Tu, G. Bryan Young, Agnieszka Kokoszka, Andres Rodriguez-Ruiz, Jay Varma, Linda M. Eerikäinen, Nadege Assassi, Stephan A. Mayer, Jan Claassen and Mika O. K. Särkelä
doi: 10.1002/epi4.12034; Published online: January 3, 2017

76

Etiology, syndrome diagnosis, and cognition in childhood-onset epilepsy: A population-based study

Arja Sokka, Päivi Olsen, Jarkko Kirjavainen, Maijakaisa Harju, Leea Keski-Nisula, Sari Räisänen, Seppo Heinonen and Reetta Kälviäinen
doi: 10.1002/epi4.12036; Published online: January 19, 2017

84

***EFHC1* mutation in Indian juvenile myoclonic epilepsy patient**

Romita Thounaojam, Leader Langbang, Kavish Itisham, Roohollah Sobhani, Shivani Srivastava, Bhargavi Ramanujam, Ramesh Verma, Manjari Tripathi and Kripamoy Aguan
doi: 10.1002/epi4.12037; Published online: February 01, 2017

SHORT RESEARCH ARTICLES

90

Is autopsy tissue a valid control for epilepsy surgery tissue in microRNA studies?

Paolo Roncon, Silvia Zucchini, Manuela Ferracin, Gianluca Marucci, Marco Giulioni, Roberto Michelucci, Guido Rubboli and Michele Simonato
doi: 10.1002/epi4.12023; Published online: November 9, 2016

TABLE OF CONTENTS

Volume 2, Number 1, March 2017

SHORT RESEARCH ARTICLES

96

Factors associated with reported challenging behavior in young people with epilepsy and neurodevelopmental problems: Data from a specialist epilepsy center

Colin Reilly and Rod C. Scott

doi: 10.1002/epi4.12025; Published online: November 25, 2016

101

Feasibility of magnetoencephalographic source imaging in patients with thalamic deep brain stimulation for epilepsy

Richard Wennberg, J. Martin del Campo, Nat Shampur, Nathan C. Rowland, Taufik Valiante, Andres M. Lozano and Luis Garcia Dominguez

doi: 10.1002/epi4.12027; Published online: December 09, 2016

107

Carbapenems and valproate: A consumptive relationship

Peter Bede, Diane Lawlor, Damodar Solanki and Norman Delanty

doi: 10.1002/epi4.12030; Published online: December 26, 2016

OPEN MATTERS

112

Announcements