

# Epilepsy and Depressive Disorders

An *Epilepsy & Behavior* conference

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## Poster Program

[P01]	<b>Prevalence and trajectories of depressive symptoms in mothers of children newly diagnosed with epilepsy</b> M.A. Ferro*, W.R. Avison, M.K. Campbell, K.N. Speechley, <i>University of Western Ontario, Canada</i>
[P02]	<b>Genetic and behavioural characterization of a rodent model of depression and epilepsy co-morbidity</b> S.A. Epps*, K. Tabb, K. Williams, J. Weiss, D. Weinshenker, <i>Emory University, USA</i>
[P03]	<b>Factors associated with suicide potential in epilepsy</b> R.C. Doss* <sup>1,2</sup> , P.E. Penovich <sup>1</sup> , <sup>1</sup> <i>Minnesota Epilepsy Group, USA</i> , <sup>2</sup> <i>University of Minnesota, USA</i>
[P04]	<b>Novel arylpiperazine 5-HT<sub>1A</sub> receptor ligands with terminal ester fragment: Synthesis and pharmacological evaluation</b> M. Khatri*, S.K. Rai, M. Tiwari, <i>University of Delhi, India</i>
[P05]	<b>The effect of insulin sensitizer BGP-15 on olanzapine induced metabolic disorders</b> B. Literáti-Nagy* <sup>1</sup> , É. Péterfai <sup>1</sup> , E. Kulcsár <sup>1</sup> , B. Buday <sup>1</sup> , K. Tory <sup>2</sup> , L. Korányi <sup>1</sup> , <sup>1</sup> <i>Drug Research Center Ltd., Hungary</i> , <sup>2</sup> <i>N-gene Ltd., Hungary</i>
[P06]	<b>Possibilities of vagus nerve stimulation in treatment resistant depression - preliminary report</b> J. Chrastina*, Z. Novak, T. Kaspárek, E. Cesková, R. Prikryl, M. Brazdil, <i>MF MU Faculty Hospital, Czech Republic</i>
[P07]	<b>Cortical thickness changes associated with depression in temporal lobe epilepsy</b> T. Butler* <sup>1</sup> , C. McDonald <sup>2</sup> , K. Blackmon <sup>1</sup> , E. Halgren <sup>2</sup> , W. Barr <sup>1</sup> , <sup>1</sup> <i>New York University, USA</i> , <sup>2</sup> <i>University of California San Diego, USA</i>
[P08]	<b>A voxel based morphometry (VBM) analysis of gray matter volume (GMV) loss in patients with refractory mesial temporal lobe epilepsy (MTLE) with and without depression</b> P.C. Salgado*, C.L. Yasuda, F. Cendes, <i>University of Campinas, Brazil</i>
[P09]	<b>Role of high definition brain SPECT in the evaluation of non-convulsive epilepsy co-morbid to mental disorder</b> S.R. Best <sup>1</sup> , D.G. Pavel* <sup>1,2</sup> , Y.C. Chang <sup>2</sup> , <sup>1</sup> <i>The Neuroscience Center, USA</i> , <sup>2</sup> <i>University of Illinois, USA</i>
[P10]	<b>Emotional, behavioral and executive dysfunction is associated with a greater degree of epileptiform discharges in children with benign rolandic epilepsy (BRE)</b> S. Lundy <sup>1,2</sup> , D. Sarco <sup>1,2</sup> , M. Gregas <sup>1,2</sup> , M. Takeoka <sup>1,2</sup> , K. Boyer* <sup>1,2</sup> , <sup>1</sup> <i>Children's Hospital Boston, USA</i> , <sup>2</sup> <i>Harvard Medical School, USA</i>
[P11]	<b>Assessing the effectiveness of two screening measures for depression in people with epilepsy</b> M. Gandy* <sup>1</sup> , L. Sharpe <sup>1</sup> , K. Nicholson Perry <sup>2</sup> , L. Miller <sup>3</sup> , A. Mohamed <sup>3</sup> , <sup>1</sup> <i>The University of Sydney, Australia</i> , <sup>2</sup> <i>The University of Western Sydney, Australia</i> , <sup>3</sup> <i>The Royal Prince Alfred Hospital, Australia</i>
[P12]	<b>The psychological correlates of depression and quality of life in people with epilepsy</b> M. Gandy* <sup>1</sup> , L. Sharpe <sup>1</sup> , K. Nicholson Perry <sup>2</sup> , L. Miller <sup>3</sup> , A. Mohamed <sup>3</sup> , <sup>1</sup> <i>The University of Sydney, Australia</i> , <sup>2</sup> <i>The University of Western Sydney, Australia</i> , <sup>3</sup> <i>The Royal Prince Alfred Hospital, Australia</i>
[P13]	<b>EEG changes in pentetrazole induced seizures, recorded from cortico-hippocampal and hippocampal bipolar electrodes in rat</b> S. Adhikari* <sup>1</sup> , M.C. Satish Kumar <sup>1</sup> , V.K. Kapgal <sup>1</sup> , N. Mukunda <sup>1</sup> , A. Shedbalkar <sup>1,2</sup> , U. Kumar <sup>1,2</sup> , <sup>1</sup> <i>Kasturba Medical College, India</i> , <sup>2</sup> <i>Manipal Institute of Technology, India</i>
[P14]	<b>Results of screening for depression and suicidal ideation in an epilepsy center population</b> G.E. Tesar* <sup>1,2</sup> , E. Franco <sup>1,2</sup> , <sup>1</sup> <i>Cleveland Clinic Foundation, USA</i> , <sup>2</sup> <i>Case Western Reserve University, USA</i>
[P15]	<b>Depression impaired the capacity for executive control: Electrophysiological evidence from a go\ nogo task</b> G.H. Dong*, X. Zhao, <i>Zhejiang Normal University, China</i>
[P16]	<b>Depression and mental health help-seeking behaviors in a predominantly African American population of children and adolescents with epilepsy</b> R. Roeder* <sup>1</sup> , K. Roeder <sup>2</sup> , E. Asano <sup>1</sup> , H.T. Chugani <sup>1</sup> , <sup>1</sup> <i>Wayne State University, USA</i> , <sup>2</sup> <i>University of Michigan, USA</i>
[P17]	<b>Impact of depression on quality of life in patients with epilepsy</b> N. Agrawal* <sup>1,3</sup> , A.J. Mitchell <sup>2</sup> , J. Rampling <sup>1</sup> , <sup>1</sup> <i>St George's Hospital, UK</i> , <sup>2</sup> <i>Leicester Royal Infirmary, UK</i> , <sup>3</sup> <i>St George's University of London, UK</i>

[P18]	<b>Validation of NDDI-E in the UK</b> J. Von Oertzen <sup>1,3</sup> , A.J. Mitchell <sup>2</sup> , J. Rampling <sup>1</sup> , H. Cock <sup>1,3</sup> , N. Agrawal <sup>*1,3</sup> , <sup>1</sup> St George's Hospital, UK, <sup>2</sup> Leicester Royal Infirmary, UK, <sup>3</sup> St George's University of London, UK
[P19]	<b>Learning and behavioral problems in epileptic children</b> S. Radfar <sup>1</sup> , M. Radfar <sup>2</sup> , A. Kheyrikhah Sabet Ghadam <sup>*3</sup> , <sup>1</sup> Baqiyatallah University of Medical Sciences, Iran, <sup>2</sup> Shahid Beheshti University of Medical Sciences, Iran, <sup>3</sup> Islamic Azad University, Iran
[P20]	<b>Suicide in depressed epileptic children</b> S. Radfar <sup>1</sup> , M. Radfar <sup>2</sup> , A. Kheyrikhah Sabet Ghadam <sup>*3</sup> , <sup>1</sup> Baqiyatallah University of Medical Sciences, Iran, <sup>2</sup> Shahid Beheshti University of Medical Sciences, Iran, <sup>3</sup> Islamic Azad University, Iran
[P21]	<b>Hypothalamic-pituitary-adrenal (HPA) axis function in voltage-gated sodium channel mutants</b> N.T. Sawyer*, A. Escayg, Emory University, USA
[P22]	<b>A study of depression, rumination and quality of life in patients with epilepsy</b> U. Barahmand, University of Mohaghegh Ardabili, Iran
[P23]	<b>Psychotropic properties of antiepileptic drugs (AEDs) - therapeutic implications</b> K.R. Kaufman, UMDNJ-Robert Wood Johnson Medical School, USA
[P24]	<b>Pseudoseizures (PNES) in telemetry units with suicidal behavior</b> K.R. Kaufman*, P.J. Struck, UMDNJ-Robert Wood Johnson Medical School, USA
[P25]	<b>A systematic review of epilepsy and depressive disorders in families</b> N. Chawla <sup>*1</sup> , N. Kafescioglu <sup>2</sup> , <sup>1</sup> Purdue University, USA, <sup>2</sup> Dogus University, Turkey
[P26]	<b>Proinflammatory chemokines and neuron degeneration contribute to abnormal behavior in herpes simplex virus type 1 infected mice</b> M.C.L. Tse, A. Premkumar, H-M. Hsiao, G. C. Perng*, Emory University, USA
[P27]	<b>Anticonvulsant effect of lithium chloride on the pentylenetetrazole-induced clonic seizure in mice: Interaction with voltage-dependent calcium channel and NMDA receptor antagonists</b> M. Ghasemi <sup>*1</sup> , H. Shafaroodi <sup>2</sup> , S. Nazarbeiki <sup>1</sup> , H. Meskar <sup>1</sup> , A. Ghasemi <sup>1</sup> , A.R. Dehpour <sup>1</sup> , <sup>1</sup> Tehran University of Medical Sciences, Iran, <sup>2</sup> Islamic Azad University, Iran
[P28]	<b>PEARLS Depression Treatment for individuals with epilepsy: A randomized controlled trial</b> P. Ciechanowski*, N. Chaytor, J. Miller, R. Fraser, J. Russo, J. Unutzer, et al, University of Washington, USA,
[P29]	<b>Neuroendocrine plasticity in GnRH release is disrupted by valproic acid treatment of cycling rats</b> G. Kaur*, D. Lakhnopal, Guru Nanak Dev University, India
[P30]	<b>Risk taking behaviour in Norwegian Youth with epilepsy</b> K.Å. Alfstad <sup>*1</sup> , J. Clench-Aas <sup>2</sup> , B. Van Roy <sup>3</sup> , P. Mowinckel <sup>1</sup> , L. Gjerstad <sup>1,4</sup> , M.I. Lossius <sup>1</sup> , et al, <sup>1</sup> Oslo University Hospital, Norway, <sup>2</sup> Norwegian Institute of Public Health, Norway, <sup>3</sup> Akershus University Hospital, Norway, <sup>4</sup> University of Oslo, Norway
[P31]	<b>Suicide outcomes after resective epilepsy surgery</b> H. Hamid <sup>*1</sup> , O. Devinsky <sup>2</sup> , B.G. Vickrey <sup>3</sup> , A.T. Berg <sup>4</sup> , C.W. Bazil <sup>5</sup> , J.T. Pacia <sup>6</sup> , et al, <sup>1</sup> Yale School of Medicine, USA, <sup>2</sup> New York University, USA, <sup>3</sup> University of California, USA, <sup>4</sup> Northern Illinois University, USA, <sup>5</sup> Columbia University, USA, <sup>6</sup> University of Rochester School of Medicine, USA
[P32]	<b>Phenomenology of an atypical depressive syndrome associated to epilepsy: A controlled study in the acute psychiatric department</b> A.E. Vaaler <sup>*1</sup> , G. Morken <sup>1</sup> , V.C. Iversen <sup>1</sup> , D. Kondziella <sup>2</sup> , O.M. Linaker <sup>1</sup> , <sup>1</sup> Norwegian University of Science and Technology, Norway, <sup>2</sup> Copenhagen University Hospital, Denmark
[P33]	<b>Using the neurological disorders depression inventory for epilepsy (NDDI-E) in patients with psychogenic non-epileptic seizures (PNES)</b> H.E. Williams <sup>*1</sup> , M. Bagary <sup>2</sup> , <sup>1</sup> University of Birmingham, UK, <sup>2</sup> Birmingham and Solihull Mental Health NHS Foundation Trust, UK
[P34]	<b>Psychogenic non-epileptic attacks: How well do clinicians recognise them and can education help?</b> R. I. Redwood*, D. Hunt, S. O'Sullivan, S.S. O'Sullivan, The Royal London Hospital, UK
[P35]	<b>Depressive disorder in a boy with drug resistant idiopathic generalized epilepsy</b> I. Leo*, D. Cordelli, V. Gentile, A. Barbieri, V. Marchiani, E. Franzoni, University of Bologna, Italy
[P36]	<b>Depression in the context of epilepsy surgery in children. Implications for a better delineation of diagnosis and a global perspective of treatment</b> A. Liava, Paediatric Hospital Femme Mere Enfant, France
[P37]	<b>Reticular activating system in depression and epilepsy</b> M. Bhardwaj*, N. Goyal, University of Missouri, USA
[P38]	<b>Separation of EVestG left and right responses in depression</b> A. Garrett <sup>*1</sup> , B. Lithgow <sup>1</sup> , P. Fitzgerald <sup>2</sup> , <sup>1</sup> Monash University, Australia, <sup>2</sup> Monash Alfred Psychiatry Research Centre, Australia
[P39]	<b>AED use in epilepsy versus psychiatric populations in women of child bearing age</b> J. Macina <sup>*1</sup> , B. Koppel <sup>1</sup> , C.L. Harden <sup>2</sup> , <sup>1</sup> New York Medical College, USA, <sup>2</sup> Miller School of Medicine, USA