

2017 CHILD NEUROLOGY SOCIETY ABSTRACTS

POSTER # PRIMARY AUTHOR ABSTRACT TITLE

COGNITIVE/BEHAVIORAL DISORDERS

1	Elkhatib S	Socioeconomic Status and Sleep in Children with Autism Spectrum Disorder
2	O'Neill M	Estimated prevalence of developmental regression among children referred to a Down syndrome clinic
3	Quezada J	Ethical dilemma: Pediatric Kluver-Bucy Syndrome, pushing the boundaries between psychosurgery and epilepsy surgery
4	Svoboda M	The IPAD (Interactive Pediatric Application Device) Use Study
5	Ziobro J	Brain Injury Multidisciplinary Rounds (BIMR): A Quality Improvement Initiative
6	Selman J	Structured Assessment Protocol for Pediatric Patients with Acquired Brain Injuries in an Inpatient Rehabilitation Hospital

INFECTIONS/NEUROIMMUNOLOGY

7	Selman J	Outcome of 24 Children with Anti-NMDA Receptor Encephalitis Admitted to a Pediatric Rehabilitation Hospital
8	Fernandes A	Preliminary neurological findings from a prospective cohort of children exposed to Zika virus during pregnancy
9	Tomko S	Characterization of inflammatory bowel disease-associated epilepsy in children.
10	Gorman M	Number of relapses predicts lower intelligence quotient in pediatric-onset opsoclonus-myoclonus syndrome

11	Hopkins S	Acute Flaccid Myelitis at the Children's Hospital of Philadelphia: Baseline Occurrence and Recent Clusters
12	Kuwabara N	Analysis of a Series of Patients with Acute Flaccid Myelitis (AFM) Presenting to a Tertiary Care Referral Center
13	Mochida G	Reduced embryonic survival and microcephaly in a new mouse model of congenital Zika virus infection
14	Vaidyanathan G	Comparison of Epidemiology and Clinical Characteristics of Enterovirus and Parechovirus Central Nervous System Infections in Infants During the First Three Weeks of Life: A 6-year Single-Center Retrospective Study from 2011-2016
15	Gordon-Lipkin E	Quantitative clinical and neuroimaging profiles in acute flaccid myelitis.

DEMYELINATING DISORDERS

16	Gordon-Lipkin E	Neuropsychological Profiles in Pediatric Neuromyelitis Optica Spectrum Disorder
17	Van Haren K	CD14+ monocyte transcriptomes from multiple sclerosis patients enrolled in a clinical trial of vitamin D highlights metabolic pathways relevant to immune regulation

BRAIN TUMORS/ONCOLOGY

18	Song H	Novel role for NFIA-NFκB in glioma malignant behavior
19	Stasheff S	Abnormal retinal ganglion cell physiology precedes axon loss in mice with neurofibromatosis, optic pathway gliomas, and visual loss

EPILEPSY

20	Badalamenti V	Interim safety and tolerability analysis from an open-label, long-term study of adjunctive brivaracetam in pediatric patients with epilepsy
21	Wirrell E	Ketogenic Diet Therapy in Infants: Efficacy and Tolerability

22	Wirrell E	Cannabidiol (CBD) significantly reduces drop and total seizure frequency in Lennox Gastaut syndrome (LGS): results of a dose ranging, multicenter, randomized, double blind, placebo controlled trial (GWPCARE3)
23	Bhalla S	Spinal Epidural Lipomatosis and Vigabatrin Associated Brain Abnormalities on Magnetic Resonance Imaging (VABAM) with Standard Therapies for Infantile Spasms (IS)
24	Franz D	Sustained Seizure Reduction With Adjunctive Everolimus for Treatment-Refractory Seizures Associated With Tuberous Sclerosis Complex (TSC): Long-Term Results From the Phase 3 EXIST-3 Study
25	Franz D	Psychometric Evaluation of Quality of Life in a Three-Arm, Randomized, Double-Blind, Placebo-Controlled Phase 3 Study of Everolimus as Adjunctive Therapy in Patients With Tuberous Sclerosis Complex (TSC) Who Have Refractory Partial-Onset Seizures (EXIST-3)
26	Franz D	Efficacy and Safety of Adjunctive Everolimus for Treatment-Refractory Seizures Associated With Tuberous Sclerosis Complex (TSC) in Children Under 6 Years of Age: Results From the Phase 3 EXIST-3 Extension Phase
27	Bieber D	Stretch Syncopy at a Tertiary Care Center: A Case Series
28	Bonkowsky J	Deep whole genome analysis (DWGA) for effective diagnosis and gene discovery in early infantile epileptic encephalopathy
29	Buchhalter J	Caregiver Satisfaction with Receiving the Pediatric Epilepsy Consultation Note
30	Calley C	Increased Functional Connectivity within the Default Mode Network in Newly-Diagnosed Childhood Absence Epilepsy May Predict Seizure Onset
31	Camayd-Munoz C	Capability of implementing telehealth in a pediatric neurology population with high health disparities
32	Davis P	Electroencephalography Connectivity Measures Prior to Infantile Spasm Development in Infants with Tuberous Sclerosis Complex

33	Day A	Pre-symptomatic Treatment of Sturge-Weber Syndrome: Treating SWS Infants with Aspirin and Anticonvulsants
34	Dudeck L	Sudden Unexplained Death in Epilepsy (SUDEP): Could Antiepileptic Regimens be a Contributing Factor?
35	Farias-Moeller R	Quenching the FIRES with Ketamine: A Single Center experience with Ketamine use for Febrile Infection Related Epilepsy Syndrome.
36	Farkas V	Efficacy and tolerability of adjunctive lacosamide in children and adolescents with uncontrolled focal seizures: a randomized, double-blind, placebo-controlled trial
37	Gaillard W	Sudden death in epilepsy: Knowledge among pediatric providers
38	Govil-Dalela T	Long-term changes in cerebral glucose metabolic abnormalities in children with drug-resistant epilepsy
39	Grefe A	Benefit of an epilepsy nurse navigator in a pediatric neurology clinic
40	Heath J	Assessing the Impact of Standardized Discharge Processes on Readmission Rates for Patients With Seizures
41	Hong A	Utility of Prolonged EEG Monitoring Prior to Antiepileptic Drug Withdrawal
42	Joshi C	Treatment with cannabidiol (CBD) significantly reduces drop and total seizure frequency in Lennox-Gastaut syndrome (LGS): results of a multicenter, randomized, double-blind, placebo controlled trial (GWPCARE4)
43	Kincaid M	Management of refractory status epilepticus at a children's hospital
44	Liu Y	Siblings with a familial 14q13 microdeletion, infantile onset epilepsy and developmental delay: the circuitous path to a genomic diagnosis
45	Nunley S	Healthcare utilization characteristics for intranasal midazolam versus rectal diazepam
46	Pan X	Antiepileptic drug class-related healthcare costs among pediatric patients initiating monotherapy treatment for partial-onset seizures

47	Pina-Garza J	Development and Validation of the Refractory Epilepsy Screening Tool for Lennox-Gastaut Syndrome (REST-LGS): Improving Detection of LGS
48	Roberts C	Efficacy and Safety of Adjunctive Everolimus for Treatment-Resistant Focal-Onset Seizures in Tuberous Sclerosis According to Age: Insights From EXIST-3
49	Scalais E	Early onset epileptic encephalopathy: genetic analysis and further delineation of genotype-phenotype correlation.
50	Sergott R	Disease Characteristics, Disposition, and Vision Loss in Pediatric Patients in the Sabril® Registry
51	Specchio N	Ganaxolone in children with CDKL5 gene-related epileptic encephalopathy: top-line data from an open-label trial
52	Stewart G	Comprehensive High-Throughput Drug Screening in a Cellular Model of KCNQ2 Epileptic Encephalopathy
53	Treat L	Neurologic Conditions Are Common Among Children Receiving Inpatient Palliative Care
54	Reyes I	Variable Presenting Symptoms in Siblings Positive for Glucose Transporter Type 1 Deficiency Syndrome (GLUT1-DS)
55	Turkdogan D	CLOBAZAM THERAPY IN INTRACTABLE EPILEPTIC CHILDREN: A COMPARISON WITH EPILEPTIC ENCEPHALOPATHIES AND OTHER EPILEPTIC SYNDROMES
56	Stowe R	Pediatric EEG Patterns in Routine Polysomnography and Risk of Epilepsy
57	Sully K	Variation on a Theme: A Unique Large TSC1 Gene Deletion with "Tuber-less" Tuberous Sclerosis

GENETICS

58	Stowe R	Ketogenic Diet for Refractory Status Epilepticus in an Infant Presenting with Leigh Syndrome Phenotype Due to Novel Lipoyltransferase 1 (LIPT1) Genetic Defect
59	Reyes I	The Clinical Utility of Targeted-Gene Panel Testing as a Diagnostic Tool in Pediatric Neuromuscular Disorders
60	Bishay D	Next-generation sequencing panel for Autism and/or Intellectual Disability: A Comparable Alternative to Whole Exome Sequencing (WES)
61	Caron E	KCNQ2 Mutations Mimic Hypoxic Ischemic Encephalopathy
62	Armangue T	26:0 lysophosphatidylcholine elevations in newborn screening spots in Aicardi Goutieres Syndrome
63	Perrier S	Recessive Mutations in NDUFA2 Cause Mitochondrial Leukoencephalopathy
64	Gauquelin L	Clinical Description of POLR3-related Leukodystrophy Caused by POLR1C Mutations
65	Gauquelin L	Expanding the Phenotypic Spectrum of POLR3-related Leukodystrophy
66	Gropman G	Clinical and molecular genetic analyses of a rare de novo point mutation in the MT-ATP6 gene associated with maternally inherited form of Leigh Syndrome
67	Johnson W	Possible New Maternally Acting Gene Alleles (MAGAs) in ASD
68	Querubin J	The Clinical Utility of Targeted Gene Panel Testing as a Diagnostic Tool for Pediatric Neurologic Disorders
69	Rajan D	Functional Characterization of a novel mutation in the Gemin5 gene.
70	Srivastava S	Cerebellar Volume as a Neuroimaging Marker of Developmental Abilities in Infants with Tuberous Sclerosis Complex
71	Teigen C	Diagnostic Yield of Multi-gene Panels for Brain Malformation Disorders

72	Tinker J	CONCURRENT PARENTAL ANALYSIS ON NEURODEVELOPMENTAL MULTI-GENE PANELS RESULTS IN FEWER VARIANTS OF UNKNOWN SIGNIFICANCE REPORTED
73	Weltmer E	Parental co-segregation analysis significantly reduces but does not eliminate VUS rate in multi-gene panel testing
74	Williams J	Developing A Staging System for Juvenile Batten Disease (CLN3 Disease)

STROKE

75	Alhadid K	Bone Marrow Transplant Restores Cerebrovascular Reactivity (CVR) in Sickle Cell Disease (SCD): A Case Presentation.
76	Jimenez-Gomez A	Ballismus as a Rare Presenting Sign of Pediatric Ischemic Stroke: Case Report and Review of the Literature
77	Taylor J	Risk Factors for Mortality in Childhood Stroke in the KID Datasets, 2000-2012

HEADACHE/MIGRAINE

78	Connelly M	Toward improving the system of pediatric migraine care in the community through targeted education and technology: the HAPPY project.
79	DiSano M	Neuroimaging in a pediatric patient cohort with papilledema
80	Lateef T	Familial Transmission of Migraine-Evidence from a High Risk Study
81	Schwarz A	Predictors of response to biofeedback therapy for persistent post-concussive headache in children.
82	Santoro J	Brain perfusion and diffusion abnormalities in children with tension type and migraine headaches in pediatric patients

HISTORY/TEACHING OF CHILD NEUROLOGY

83	Santoro J	CLUSTER RANDOMIZED CONTROLLED TRIAL OF DISABILITY EDUCATION MODULE IN A CORE PEDIATRICS CLERKSHIP
84	Feist T	Child Neurology / Neurodevelopmental Disabilities Program Director and Program Coordinator Workforce Perspectives, 2016
85	Javarayee P	PEDIATRIC NEUROLOGY TRAINING AROUND THE WORLD
86	Nelson A	Unified Pediatric Stroke Protocol Implementation Across Multiple Residency Training Programs: Performance Measures and the Confidence Trap
87	Rogers D	Russian/U.S. Collaboration to Improve Care for Children with Developmental Disabilities: Process and Early Outcomes
88	Sato A	Knowledge, Comfort, and Practice of Palliative Care by Child Neurologists
89	Vasiliadis A	Utility of a Daily Safety Huddle on a Pediatric Neurohospitalist Service

MOVEMENT DISORDERS

90	Harris H	Comparison of Children Diagnosed with Cerebral Palsy in a Private Cord Blood Bank to Children Diagnosed with Cerebral Palsy in a US Epidemiological Sample
91	Poirier-Blanchette L	Comorbidities as early markers of developmental coordination disorders in children: report of 29 patients
92	Troxell R	Parkinson Features in Two Patients with 6q.22.1micro-deletion
93	Wu S	Clinical Outcome and Kinematic Analysis of a Young Child with DYT6 after GPi DBS

NEONATAL NEUROLOGY

94	Carrasco M	Temporal Evolution of Diffusion Tensor Imaging (DTI) Findings in the Corpus Callosum and Other Brain Regions in Neonatal Hypoxic Ischemic Injury (HII)
95	Chen D	Diagnostic and therapeutic approach to KCNQ2-associated early infantile epileptic encephalopathies
96	Din F	Neonatal Stroke: Maternofetal risk factors, presentation and long term outcome.
97	Drace A	aEEG Background Indicates Seizure Burden, MRI Abnormality, and 2-Year Developmental Outcomes in Cooled Term Encephalopathic Neonates
98	Mahfooz N	Optimal duration of continuous video-electroencephalography in term infants with hypoxic-ischemic encephalopathy and therapeutic hypothermia.
99	Mittal N	Bumetanide may play a neuro-protective role in developing neonatal rat brain by reversing effects of Intermittent Hypoxia on neuro-inflammation

NEUROIMAGING

100	Ashwal S	WHITE MATTER DISRUPTION IN MODERATE AND SEVERE PEDIATRIC TRAUMATIC BRAIN INJURY: A LONGITUDINAL ANALYSIS
101	Ashwal S	EARLY NAA REDUCTIONS PREDICT NEUROPSYCHOLOGICAL OUTCOMES AFTER PEDIATRIC TBI
102	Desai J	Lower perfusion in Broca's region in persons who stutter
103	Ikonomidou C	Quantitative ultrasound detects apoptotic cell death induced by sevoflurane in the neonatal rhesus monkey brain
104	Ismail F	USING DIFFUSION TENSOR IMAGING BASED MEASUREMENTS TO PREDICT OUTCOMES OF CONSTRAINT INDUCED MOVEMENT THERAPY IN CHILDREN WITH HEMIPLEGIC CEREBRAL PALSY

105	Kim J	Metabolic correlates of reorganization of cognitive functions in children with unilateral Sturge-Weber syndrome
106	Tully H	Factors associated with hydrocephalus among children with craniosynostosis
107		<i>Abstract Withdrawn</i>

NEUROMUSCULAR DISORDERS

108	Al-Ramadhani R	Clinical Characteristics of Children with Postural Orthostatic Tachycardia Syndrome (POTS)
109	Balasa A	Rituximab for Autoimmune Disorders of Nerve and Muscle Hyperexcitability
110	Christou Y	Thirty Months of Treatment of a Patient with Pantothenate Kinase-Associated Neurodegeneration (PKAN) with Fosmetpantotenate (RE-024), a Phosphopantothenate Replacement Therapy
111	Colan S	Effects of Long-Term Treatment With Eteplirsen on Cardiac Function: Left Ventricular Ejection Fraction in Eteplirsen-Treated Patients
112	Day J	Minimal important difference and 4000L alglucosidase alfa effect size of the Gross Motor Function Measure-88 (GMFM-88) in Pompe disease: Distribution-based estimates from ADVANCE
113	Delgado M	AbobotulinumtoxinA injection in muscles outside the gastrocnemius-soleus complex in pediatric patients with lower limb spasticity
114	Entezam A	Copy number analysis using next-generation sequencing: comprehensive genetic testing and its application to neuromuscular and epilepsy panels
115	Espinoza A	The Epidemiology of Infantile Botulism in Utah
116	Golla S Salunkhe V	Prevalence of Neurocognitive and Behavioral Impairment in Individuals with DMD(Duchenne Muscular dystrophy),BMD(Becker Muscular Dystrophy) and DMD Carriers
117	Karol M	Fosmetpantotenate (RE-024) for Pantothenate Kinase-Associated Neurodegeneration (PKAN): Maximum Tolerated Dose (MTD) and Therapeutic-Dose Food Effect Studies in Adult Healthy Volunteers

118	Luke R	Pure Sensory Polyneuropathy in Childhood
119	Mondok L	Thymectomy Outcomes in Pediatric Ocular Myasthenia Gravis
120	Patel R	Clinical and Electrodiagnostic follow-up of Acute Flaccid Myelitis (AFM) cases from Atlanta, Georgia.
121	Pochiraju S	Maturation of motor sensory Nerve Conduction Velocity in infants and young children.
122	Pulgar S	Epidemiology and Spasticity Management Patterns of Pediatric Cerebral Palsy Patients Enrolled in Managed Medicaid in the United States
123	Sarnat H	Novel Pathogenesis of Isolated and Syndromic Congenital Ptosis: 33 Cases
124	Siegel B	Sleep and Physical Activity Correlates of Quality of Life in Duchenne Muscular Dystrophy
125	Sproule D	AVXS-101 Phase 1 Gene Replacement Therapy Clinical Trial in SMA Type 1: Patients treated early with the proposed therapeutic dose were able to sit unassisted at a younger age
126	Tilton A	Safety and tolerability of abobotulinumtoxinA in the management of pediatric lower limb spasticity: Pooled analysis of repeat injection, open-label trials
127	Tilton A	Safety profile of abobotulinumtoxinA for lower limb spasticity in preschool aged children (2-5 years) compared with older children: Pooled analysis of controlled clinical trials
128	Thongsing A	Health-related quality of life and associated factors in children and adolescent with Duchenne Muscular Dystrophy

TRANSLATIONAL/EXPERIMENTAL THERAPEUTICS

129	de los Reyes E	Long-term safety and efficacy of intracerebroventricular enzyme replacement therapy with cerliponase alfa in children with CLN2 disease: interim results from an ongoing multicenter, multinational extension study
130	de Castro Lopez M	Preliminary safety and pharmacodynamic response data from a Phase 1/2 study of ICV BMN 250, a novel enzyme replacement therapy for the treatment of Sanfilippo Syndrome Type B (MPS IIIB)
131	Shaywitz A	Design and Rationale of Ongoing Observational and Treatment Studies for BMN 250, a Novel Enzyme Replacement Therapy for Sanfilippo Syndrome Type B (MPS IIIB)
132	Berry-Kravis E	ARREST OF PROGRESSION OF NIEMANN-PICK TYPE C1 (NPC) WITH INTRATHECAL 2-HYDROXYPROPYL- β -CYCLODEXTRIN (VTS-270) IN MULTIPLE NEUROLOGICAL DOMAINS FOR 3 YEARS
133	Eichler F	Autologous hematopoietic stem cell gene therapy for cerebral adrenoleukodystrophy – Interim results and initial long-term follow-up of an international clinical study
134	Johnson T	Impressions of a Novel Cup for Individuals with Cerebral Palsy
135	Scafidi J	Age-dependent cellular and behavioral deficits induced by molecularly targeted drugs are reversible.
136	Wang Y	A Double-Blind, Placebo-Controlled, Randomized-Withdrawal, Multicenter Study on the Efficacy and Safety of Sodium Oxybate in Pediatric Subjects with Narcolepsy with Cataplexy

ACNN

137	Vierhile A	Feasibility of Providing Pediatric Neurology Telemedicine Care to Youth with Headache
138	Pezzuto T	How important is Headache Hygiene?
139	Pezzuto T	Response to the Cefaly Device in Pediatric and Adolescent Intractable Migraine Population
140	Rhee J	Childhood Cerebral xALD Presentation and Progression Following Cardiac Arrest
141	Nunn D	Baclofen Pump: A Case Report
142	Laine R	Pilot Study of a Continuous Sedation Protocol to Combine Sedated Brain MRI with Lumbar Puncture
143	Carter C	Intranasal Midazolam: Ensuring an Effective Abortive Treatment for Seizures is Accessible to Patients
144	Chee C	Strengthening Relationships Between the School and Keto Team Through a Needs Assessment

LATE BREAKING

145	Cornet M	Predictive Value of Early EEG for Seizures During Hypothermia in Neonates with Hypoxic Ischemic Encephalopathy
146	Percy A	Trofinetide, A Novel IGF-1 Related Treatment for Neurodevelopmental Disorders, Demonstrates Efficacy for Children and Adolescents with Rett Syndrome
147	Zima L	Expanding Phenotypes Lead to Coalescing Genotypes: A Perplexing Patient Pair Highlight The Diagnostic Challenges of Paroxysmal Motor Disorders
148	Maski K	REM Behavior Disorder and REM without Atonia: A Novel Sleep Biomarker to Diagnose Pediatric Narcolepsy
149	Soul J	Multi Center, Randomized, Controlled Phase I/II Trial of Bumetanide for Neonatal Seizures