

Neurology Department

Current Publications

2006/2007/8

BARON, MS

Hasnain, M, Vieweg, W.V.R., **Baron, M.S.**, Beatty-Brooks, M., Fernandez, A., Pandurangi, A.K. Management of psychosis in elderly patients with parkinsonian syndromes. The role of antipsychotic drugs. *Am J Med. Review.* 2008 (accepted)

Chaniary, K.D., **Baron M.S., Rice, A.C.,** Wetzel, P.A., **Shapiro, S.M.** Electromyographic Characterization in an Animal Model of Dystonia. *Mov Disord.* 2008 (accepted)

Baron, M.S. Parkinson's Disease, The Encyclopedia of Clinical Neuropsychology, J.S. Kreutzer, J. DeLuca, B. Caplan (eds.), Springer Science, New York. 2008 (accepted)

Holloway K.L., **Baron, M.S.,** Oberlander E., Green, H. Pallidal Stimulation for Parkinson's disease. In: AANS Neurosurgical Operative Atlas 2E: Functional Neurosurgery, P. Starr, N. Barbaro, P. Larson (eds.), Thieme, New York, in press, 2008.

Qutubuddin AA, Cifu DX, Armistead-Jehle P, Carne W, McGuirk TE, **Baron MS:** A comparison of computerized dynamic posturography therapy to standard balance physical therapy in individuals with Parkinson's disease: a pilot study. *NeuroRehabilitation.* 2007;22(4):261-5.

Cifu DX, Carne W, Brown R, Pegg P, Ong J, Qutubuddin A, **Baron MS.** Caregiver distress in parkinsonism. *J Rehabil Res Dev.* 2006 Jul-Aug;43(4):499-508.

Baron, M.S., Noonan, J.B., Mewes, K. Restricted Ablative Lesions in Motor Portions of GPi in Primates Produce Extensive Loss of Motor-related Neurons and Degeneration of the Lenticular Fasciculus. *Exp Neurol.* 2006 Nov;202(1):67-75.

Mallahan, E.L., Wetzel, P.A. Cifu, D., Carne, W., **Baron, M.S.,** Holloway K., Qutubuddin, A. Visual Impairments in Parkinson's disease: A review. *Federal Practitioner* 23:56-63, 2006.

Holloway, K.L., **Baron, M.S.,** Brown, R. Cifu, D.X., Ramesh, V. Deep brain stimulation for dystonia: a meta-analysis. *Neuromodulation* 9: 253-261, 2006.

BEKENSTEIN, JW

Bekenstein JW, Vaughn BV: Physiological effects of vagus nerve stimulation on autonomic regulation. In: Vagus Nerve Stimulation: Neurology and Clinical Use. Dean K. Naritoku, Ed, Elsevier, in press.

BLAIR, RE

Deshpande LS, Lou JK, Ali M, Blair, RE, Sombati S, Attkisson E and DeLorenzo RJ. Time course and mechanism of hippocampal neuronal death in an in vitro model of status epilepticus: Role of NMDA receptor activation and NMDA dependent calcium entry. *Eur J Pharmacol*, in press, 2008.

Deshpande LS, Lou JK, Mian A, **Blair RE**, Sombati S, DeLorenzo RJ. In vitro status epilepticus but not spontaneous recurrent seizures cause cell death in cultured hippocampal neurons. *Epilepsy Res*. 2007 Jul;75(2-3):171-9.

DeLorenzo RJ, Sun DA, **Blair RE**, Sombati S. An in vitro model of stroke-induced epilepsy: elucidation of the roles of glutamate and calcium in the induction and maintenance of stroke-induced epileptogenesis. *Int Rev Neurobiol*. 2007;81:59-84. Review.

Falenski KW, **Blair RE**, Sim-Selley LJ, Martin BR, DeLorenzo RJ. Status epilepticus causes a long-lasting redistribution of hippocampal cannabinoid type 1 receptor expression and function in the rat pilocarpine model of acquired epilepsy. *Neuroscience*. 2007 May 25;146(3):1232-44. Epub 2007 Apr 12.

Raza M, Deshpande LS, **Blair RE**, Carter DS, Sombati S, DeLorenzo RJ. Aging is associated with elevated intracellular calcium levels and altered calcium homeostatic mechanisms in hippocampal neurons. *Neurosci Lett*. 2007 May 11;418(1):77-81. Epub 2007 Mar 12.

Deshpande LS, **Blair RE**, Nagarkatti N, Sombati S, Martin BR, DeLorenzo RJ. Development of pharmacoresistance to benzodiazepines but not cannabinoids in the hippocampal neuronal culture model of status epilepticus. *Exp Neurol*. 2007 Apr;204(2):705-13. Epub 2007 Jan 9.

Deshpande LS, **Blair RE**, Ziobro JM, Sombati S, Martin BR, DeLorenzo RJ. Endocannabinoids block status epilepticus in cultured hippocampal neurons. *Eur J Pharmacol*. 2007 Mar 8;558(1-3):52-9. Epub 2006 Nov 22.

Deshpande LS, Sombati S, **Blair RE**, Carter DS, Martin BR, DeLorenzo RJ. Cannabinoid CB1 receptor antagonists cause status epilepticus-like

activity in the hippocampal neuronal culture model of acquired epilepsy. *Neurosci Lett*. 2007 Jan 3;411(1):11-6. Epub 2006 Nov 15.

Carter DS, Haider SN, **Blair RE**, Deshpande LS, Sombati S, DeLorenzo RJ. Altered calcium/calmodulin kinase II activity changes calcium homeostasis that underlies epileptiform activity in hippocampal neurons in culture. *J Pharmacol Exp Ther*. 2006 Dec;319(3):1021-31. Epub 2006 Sep 13.

Blair RE, Deshpande LS, Sombati S, Falenski KW, Martin BR, DeLorenzo RJ. Activation of the cannabinoid type-1 receptor mediates the anticonvulsant properties of cannabinoids in the hippocampal neuronal culture models of acquired epilepsy and status epilepticus. *J Pharmacol Exp Ther*. 2006 Jun;317(3):1072-8. Epub 2006 Feb 9.

CHURN SB

Churn, S.B. Dentate Gyrus. In: Encyclopedia of Clinical Neuropsychology [18], Jeffrey S. Kreutzer, John DeLuca, and Bruce Caplan (Eds.), Springer Publishing, Heidelberg, Germany in press.

Churn, S.B. Korsakoff's Syndrome. In Encyclopedia of Clinical Neuropsychology [18], Jeffrey S. Kreutzer, John DeLuca, and Bruce Caplan (Eds.), Springer Publishing, Heidelberg, Germany in press.

Bracey, JM, Anderson, AL, Hawkins, GE, Singleton, MW, Holbert WM and **Churn, SB**. Prolonged seizure activity induces increased protein kinase I activation in the rat pilocarpine model. *Journal of Neurochemistry* (JNC-W-2006-1631). Revised manuscript.

Kurz, JE, and **Churn, SB**. A Cellular Mechanism for Dendritic Spine Loss in the Pilocarpine Model of Status Epilepticus. *Epilepsia*-00013-2007. Revised Manuscript.

DELORENZO, RJ

Deshpande LS, Lou JK, Ali M, Blair, RE, Sombati S, Attkisson E and **DeLorenzo RJ**. Time course and mechanism of hippocampal neuronal death in an in vitro model of status epilepticus: Role of NMDA receptor activation and NMDA dependent calcium entry. *Eur J Pharmacol*, in press, 2008.

- Deshpande LS, Nagarkatti N, Sombati S and **DeLorenzo RJ**. The Novel Antiepileptic Drug Carisbamate (RWJ 333369) Is Effective in Inhibiting Spontaneous Recurrent Seizure Discharges and Blocking Sustained Repetitive Firing in Cultured Hippocampal Neurons. *Epilepsy Res*, in press, 2008.
- DeLorenzo RJ**. Epidemiology of status epilepticus: Incidence, Causes and Clinical Presentation. In: Status Epilepticus: Mechanisms and Management, (Eds) Treiman, D.L. and Wasterlain, C. Lippincott Raven Advances in Neurology Series, in press, 2008.
- Deshpande LS, Lou JK, Mian A, Blair RE, Sombati S, **DeLorenzo RJ**. In vitro status epilepticus but not spontaneous recurrent seizures cause cell death in cultured hippocampal neurons. *Epilepsy Res*. 2007 Jul;75(2-3):171-9.
- Deshpande LS, Limbrick DD Jr, Sombati S, **DeLorenzo RJ**. Activation of a novel injury-induced calcium-permeable channel that plays a key role in causing extended neuronal depolarization and initiating neuronal death in excitotoxic neuronal injury. *J Pharmacol Exp Ther*. 2007 Aug;322(2):443-52. Epub 2007 May 4.
- DeLorenzo RJ**, Sun DA, Blair RE, Sombati S. An in vitro model of stroke-induced epilepsy: elucidation of the roles of glutamate and calcium in the induction and maintenance of stroke-induced epileptogenesis. *Int Rev Neurobiol*. 2007;81:59-84. Review.
- Falenski KW, Blair RE, Sim-Selley LJ, Martin BR, **DeLorenzo RJ**. Status epilepticus causes a long-lasting redistribution of hippocampal cannabinoid type 1 receptor expression and function in the rat pilocarpine model of acquired epilepsy. *Neuroscience*. 2007 May 25;146(3):1232-44. Epub 2007 Apr 12.
- Deshpande LS, **DeLorenzo, RJ**. Ion Channels, Membranes, and Molecules in Epilepsy and Neuronal Excitability. In Pediatric Epilepsy, Diagnosis and Therapy, 3rd Edition, Pellock JM, Dodson WE, and Bourgeois B (eds). New York: Demos, 2007.
- Raza M, Deshpande LS, Blair RE, Carter DS, Sombati S, **DeLorenzo RJ**. Aging is associated with elevated intracellular calcium levels and altered calcium homeostatic mechanisms in hippocampal neurons. *Neurosci Lett*. 2007 May 11;418(1):77-81. Epub 2007 Mar 12.
- Deshpande LS, Blair RE, Nagarkatti N, Sombati S, Martin BR, **DeLorenzo RJ**. Development of pharmacoresistance to benzodiazepines but not cannabinoids in the hippocampal neuronal culture model of status epilepticus. *Exp Neurol*. 2007 Apr;204(2):705-13. Epub 2007 Jan 9.

- Deshpande LS, Blair RE, Ziobro JM, Sombati S, Martin BR, **DeLorenzo RJ**. Endocannabinoids block status epilepticus in cultured hippocampal neurons. *Eur J Pharmacol*. 2007 Mar 8;558(1-3):52-9. Epub 2006 Nov 22.
- Deshpande LS, Sombati S, Blair RE, Carter DS, Martin BR, **DeLorenzo RJ**. Cannabinoid CB1 receptor antagonists cause status epilepticus-like activity in the hippocampal neuronal culture model of acquired epilepsy. *Neurosci Lett*. 2007 Jan 3;411(1):11-6. Epub 2006 Nov 15.
- Carter DS, Haider SN, Blair RE, Deshpande LS, Sombati S, **DeLorenzo RJ**. Altered calcium/calmodulin kinase II activity changes calcium homeostasis that underlies epileptiform activity in hippocampal neurons in culture. *J Pharmacol Exp Ther*. 2006 Dec;319(3):1021-31. Epub 2006 Sep 13.
- DeLorenzo RJ**, Sun DA, Deshpande LS. Erratum to "Cellular mechanisms underlying acquired epilepsy: the calcium hypothesis of the induction and maintenance of epilepsy. *Pharmacol Ther*. 105(3) (2005) 229-266] *Pharmacol Ther*. 2006 Jul;111(1):288-325. Review.
- Blair RE, Deshpande LS, Sombati S, Falenski KW, Martin BR, **DeLorenzo RJ**. Activation of the cannabinoid type-1 receptor mediates the anticonvulsant properties of cannabinoids in the hippocampal neuronal culture models of acquired epilepsy and status epilepticus. *J Pharmacol Exp Ther*. 2006 Jun;317(3):1072-8.
- Boggs J, Waterhouse E and **DeLorenzo RJ**. The Use of Antiepileptic Medications in Renal and Liver Disease. In: Wyllie E (ed). *The Treatment of Epilepsy: Principles and Practice*, 4th Edition. Baltimore:Lippincott Williams and Wilkins, 2006.
- Leppik IE, Kelly KM, Toledo-Morrell L, Patrylo PR, **DeLorenzo, RJ**, Matthern, GW, White, HS. Basic research in epilepsy and aging. *Epilepsy Res* 2006 Jan;68 Suppl 1:S21-S37.
- DeLorenzo RJ**. Epidemiology and clinical presentation of status epilepticus. *Adv Neurol*. 2006;97:199-215.
- DeLorenzo RJ**, Sun DA. Basic mechanisms in status epilepticus: role of calcium in neuronal injury and the induction of epileptogenesis. *Adv Neurol*. 2006;97:187-97. Review.

FELTON III, WL

- Felton III, WL**. Hodgkin's disease. In: Current Ocular Therapy, Eds., Fraunfelder FQ and Roy FH, WB Saunders Co., 2007, 6th ed.

Kinkel RP, Kollman C, O'Connor P, et al(**Felton WL**). IM interferon beta-1a delays definite multiple sclerosis 5 years after a first demyelinating event. *Neurology* 2006 Mar 14;66(5):678-684.

Ruland S, Richardson D, Hung E, Brorson JR, Cruz-Flores S, **Felton WL 3rd**, Ford-Lynch G, Helgason C, Hsu C, Kramer J, Mitsias P, Gorelick PB; AAASPS Investigators. Predictors of recurrent stroke in African Americans. *Neurology*. 2006 Aug 22;67(4):567-71.

Feldon SE, Levin L, Scherer RW, Arnold A, Chung SM, Johnson LN, Kosmorsky G, Newman SA, Katz J, Langenberg P, Wilson PD, Kelman SE, Dickersin K. **Ischemic Optic Neuropathy Decompression Trial Research Group (Felton III, WL)** Development and validation of a computerized expert system for evaluation of automated visual fields from the Ischemic Optic Neuropathy Decompression Trial. *BMC Ophthalmology* 6:34, 2006.

HRISTOVA A

Pietro Mazzoni, Anna Hristova, John Krakauer Why don't we move faster? Parkinson's disease, movement vigor and implicit motivation. *The Journal of Neuroscience*, July 4, 2007 - 27(27):7105-7116.7105

JOSEPH, LN

Idicula TT, **Joseph LN**. Neurological complications and aspects of basilar artery occlusive disease. (Review Article) *Neurologist*. 13(6):363-368, Nov 2007.

LESZCZYSZYN, D

Harrison MB, **Leszczyszyn D**, Nohria V, Anderson S, Kelly T. Juvenile Huntington's Disease. In: S. Reich, ed. Movement Disorders: 100 Instructive Cases, Taylor & Francis, in press.

Leszczyszyn DJ, Pellock JM. Status Epilepticus and Acute Seizures. In: J.M. Pellock, W.E. Dodson, B. Bourgeois, D.R. Nordli, and R. Sankar, eds. Pediatric Epilepsy: Diagnosis and Therapy, Third Edition. Demos Publishers, 2007

MILES, MF

- Hodge CW, **Miles MF**, Sharko AC, Stevenson RA, Hillmann JR, Lepoutre V, Besheer J, Schroeder JP. The mGluR5 antagonist MPEP selectively inhibits the onset and maintenance of ethanol self-administration in C57BL/6J mice. *Psychopharmacology (Berl)*. 2006 Jan;183(4):429-38. Epub 2005 Nov 15.
- Kennedy RE, Archer KJ, **Miles MF**. Empirical validation of the S-Score algorithm in the analysis of gene expression data. *BMC Bioinformatics*. 2006 Mar 17;7:154.
- Sikela JM, Maclaren EJ, Kim Y, Karimpour-Fard A, Cai WW, Pollack J, Hitzemann R, Belknap J, McWeeney S, Kerns RT, Downing C, Johnson TE, Grant KJ, Tabakoff B, Hoffman P, Wu CC, **Miles MF**. DNA microarray and proteomic strategies for understanding alcohol action. *Alcohol Clin Exp Res*. 2006 Apr;30(4):700-8.
- Kennedy RE, Kerns RT, Kong X, Archer KJ, **Miles MF**. SScore: an R package for detecting differential gene expression without gene expression summaries. *Bioinformatics*. 2006 May 15;22(10):1272-4. Epub 2006 Mar 30.
- Goldowitz D, Matthews DB, Hamre KM, Mittleman G, Chesler EJ, Becker HC, Lopez MF, Jones SR, Mathews TA, **Miles MF**, Kerns R, Grant KA. Progress in using mouse inbred strains, consomics, and mutants to identify genes related to stress, anxiety, and alcohol phenotypes. *Alcohol Clin Exp Res*. 2006 Jun;30(6):1066-78.
- Miles MF**, Williams RW. Meta-analysis for microarray studies of the genetics of complex traits. *Trends Biotechnol*. 2007 Feb;25(2):45-7. Epub 2006 Dec 18.
- Khisti RT, Wolstenholme J, Shelton KL, **Miles MF**. Characterization of the ethanol-deprivation effect in substrains of C57BL/6 mice. *Alcohol*. 2006 Oct;40(2):119-26.

MORTON LD

- Morton LD**, O'Hara KA, Coots BP, Pellock JM: Safety of Rapid Intravenous Valproate Infusion in Pediatric Patients, *Pediatric Neurology* 2007, 36(2): 81-83.
- Morton LD**: "Selected Disorders Associated with Epilepsy". In: Pediatric Epilepsy Diagnosis and Therapy, 3rd Edition. Demos Medical Publishing, in press.
- Morton LD, Pellock JM**: "Status Epilepticus". In: Pediatric Neurology, Principles

and Practice, 4th Edition. Mosby Elsevier, 2006.

Riviello JJ Jr, Ashwal S, Hirtz D, Glauser T, Ballaban-Gil K, Kelley K, **Morton LD**, Phillips S, Sloan E, Shinnar S; American Academy of Neurology Subcommittee; Practice Committee of the Child Neurology Society. Practice parameter: diagnostic assessment of the child with status epilepticus (an evidence-based review): report of the Quality Standards Subcommittee of the American Academy of Neurology and the Practice Committee of the Child Neurology Society. *Neurology*. 2006 Nov 14;67(9):1542-50. Review.

PELLOCK JM

Pellock JM, Dodson WE, and Bourgeois B (eds): Pediatric Epilepsy, Diagnosis and Therapy, 3rd Edition. New York: Demos, 2007.

Schachter, SC, Montouris GD, **Pellock JM** (eds): Epilepsy on Our Terms: Stories by Children with Seizures and Their Parents. In: Brainstorms. New York: Oxford University Press, 2007.

Pellock JM, Bridging the gap between clinical guidelines and individualized patient treatment. In: Ryvlin P, Beghi E, Camfield P, Hesdorffer D (eds). Progress in Epileptic Disorders. From First Unprovoked Seizure to Newly Diagnosed Epilepsy. France: John Libbey Eurotext, 2007.

Pellock JM, Salpekar, JA, Oster, JM. Management of the patient with epilepsy and intellectual/developmental disability. Neurology Case study forum report. Millennium CME Institute, April 2007.

Pellock JM, Shinnar S. Forward: A Framework for the Treatment of Prolonged or Repetitive Seizures. Issue Editors: Pellock, JM, Shinnar S. *J Child Neurology* 2007 May;(5 Suppl), S7-8.

Pellock JM. Overview: Definitions and Classifications of Seizure Emergencies. Issue Editors: Pellock, JM, Shinnar S. *J Child Neurology* 2007 May;(5 Suppl), S9-13.

Pellock, JM, Shinnar S. J (Issue Editors): Conclusion: Having a Plan to Manage Seizure Emergencies. *Child Neurology* 2007 May;(5 Suppl), S71-73.

Pellock, JM. Japanese written article with regards to lecture given at JEPICC in Tokyo, Summer 2007. In: Epilepsy, Vol 1.(2), (2007-11) 1(69).

Shinnar S, **Pellock, JM**, Condry J. Open-label, long-term safety study of zonisamide administered to children with epilepsy. *EJPN*, in press, 2008.

- Pellock JM**, Shinnar S. Conclusion: having a plan to manage seizure emergencies. *J Child Neurol.* 2007 May;22(5 Suppl):71S-73S.
- Pellock JM.** Overview: definitions and classifications of seizure emergencies. *J Child Neurol.* 2007 May;22(5 Suppl):9S-13S. Review.
- Morton LD, O'Hara KA, Coots BP, **Pellock JM.** Safety of rapid intravenous valproate infusion in pediatric patients. *Pediatr Neurol.* 2007 Feb;36(2):81-3.
- Pellock JM**, Faught E, Leppik IE, Shinnar S, Zupanc ML. Felbamate: consensus of current clinical experience. *Epilepsy Res.* 2006 Oct;71(2-3):89-101. Epub 2006 Aug 4. Review.
- Pellock J.** Antiepileptic drugs trials: neonates and infants. *Epilepsy Res.* 2006 Jan;68(1):42-5. Review.
- Pellock JM.** Antiepileptic drug trials: Neonates and infants. *Epilepsy Res.* 2006 Jan; 68(1):42-45.
- Pellock JM.** Other Nonepileptic Paroxysmal Disorders. In: Wyllie E (ed). The Treatment of Epilepsy: Principles and Practice, 4th Edition. Baltimore:Lippincott Williams and Wilkins, 2006.
- Pellock JM**, Faught E, Leppik IE, Shinnar S, Zupanc ML. Felbamate: Consensus of Current Clinical Experience. *Epilepsy Res.* 2006 Oct;71(2-3):89-101.
- Pellock JM.** Epilepsy in Patients with Multiple Handicaps. In: Wyllie E (ed). The Treatment of Epilepsy: Principles and Practice, 4th Edition. Baltimore:Lippincott Williams and Wilkins, 2006.
- Vadlamudi L, Kjeldsen MJ, Corey LA, Solaas MH, Friis ML, **Pellock JM**, Nakken KO, Milne RL, Scheffer IE, Harvey AS, Hopper JL, Berkovic SF. Analyzing the etiology of benign rolandic epilepsy: a multicenter twin collaboration. *Epilepsia.* 2006 Mar;47(3):550-5.
- Willmore LJ, Pickens IV, A, **Pellock JM.** Monitoring for Adverse Effects of Antiepileptic Drugs. In: Wyllie E (ed). The Treatment of Epilepsy: Principles and Practice, 4th Edition. Baltimore:Lippincott Williams and Wilkins, 2006.

RICE, AC

Shapiro, S.M., Sombati, S., Geiger, A.S., **Rice, A.C.**, The NMDA channel

antagonist MK-801 does not protect against bilirubin neurotoxicity. *Neonatology*, 2007;92(4):248-57. Epub 2007 Jun 8.

Geiger, A.S., **Rice, A.C.**, Shapiro, S.M., Minocycline blocks acute bilirubin induced neurological dysfunction in jaundiced Gunn rats. *Neonatology*. 2007;92(4):219-26. Epub 2007 Jun 8.

Holloway, R., Zhou, Z., Harvey, H.B., Levasseur, J.E., **Rice, A.C.**, Sun, D., Hamm, R.J., Bullock, M.R., Effect of lactate therapy upon cognitive deficits after traumatic brain injury in the rat, *Acta Neurochir (Wien)*, 2007.

Rice, A.C., Shapiro, S.M., Biliverdin Induced Brainstem Auditory Evoked Potential Abnormalities in the Jaundiced Gunn Rat, *Brain Res*, 2006, 1107:215-221.

SHAPIRO, SM

Shapiro, S. M., Hyperbilirubinemia and the Risk for Brain Injury, in Perlman, Jeffery (ed.), Neurology: Questions and Controversies, *Neonatology*, Elsevier, *in press* 2008.

Shapiro, S. M., "Somatosensory Evoked Potentials," for Burkard, R., Don, M., Eggermont, J. (eds), Auditory Evoked Potentials: Basic Principles and Clinical Applications, Lippincott Williams and Wilkins, 2007.

Geiger, A.S., Rice, A.C., **Shapiro, S.M.**, Minocycline blocks acute bilirubin induced neurological dysfunction in jaundiced Gunn rats. *Neonatology*. 2007;92(4):219-26. Epub 2007 Jun 8.

Shapiro SM, Sombati S, Geiger A, Rice AC. NMDA channel antagonist MK-801 does not protect against bilirubin neurotoxicity. *Neonatology*. 2007;92(4):248-57. Epub 2007 Jun 8.

Shapiro, S. M., Comment on Miller SP et al, Patterns of Brain Injury in Term Neonatal Encephalopathy, *The Year Book of Neonatal and Perinatal Medicine*, Fanaroff A. A., Maisels, M. J., and Stevenson, D.K., editors, pp. 181-182, Elsevier Mosby, Philadelphia, Pennsylvania, 2006.

Rice AC, **Shapiro SM**. Biliverdin-induced brainstem auditory evoked potential abnormalities in the jaundiced Gunn rat. *Brain Res*. 2006 Aug 30;1107(1):215-21.

Shapiro SM, Bhutani VK, Johnson L. Hyperbilirubinemia and kernicterus. *Clin Perinatol*. 2006 Jun;33(2):387-410.

Wennberg RP, Ahlfors CE, Bhutani VK, Johnson LH, **Shapiro SM**. Toward understanding kernicterus: a challenge to improve the management of jaundiced newborns. *Pediatrics*. 2006 Feb;117(2):474-85. Review. Erratum in: *Pediatrics*. 2006. Apr;117(4):1467.

TOWNE AR

Towne AR: A Case of Complex Partial Status Epilepticus: A Case Study. In: *Epilepsy Case Studies: Challenges for Clinical and Basic Science*, D. Schmidt, S. Schachter (Eds). Elsevier Inc., San Diego, California (in press)

Towne AR. Epidemiology and Outcomes of Status Epilepticus in the Elderly. In: Ramsay RE, Cloyd J, Kelly KM, Leppik E and Perucca E (ed). *The Neurobiology of Epilepsy and Aging* (volume 81 of *International Review of Neurobiology*). Elsevier Inc. 2007 112-124.

Weaver MF, Bond DS, Arnold BL, **Waterhouse E, Towne A**. Aberrant drug-taking behaviors and headache: patient versus physician report. *Am J Health Behav*. 2006 Sep-Oct;30(5):475-82.

Cloyd J, Hauser W, **Towne A**, et al. Epidemiological and medical aspects of epilepsy in the elderly. *Epilepsy Res* 2006 Jan;68 Suppl 1:S39-S48.

WATERHOUSE, EJ

Waterhouse, EJ. The Epidemiology of Nonconvulsive Status Epilepticus. In: *Nonconvulsive Status Epilepticus*, Peter Kaplan & Frank Drislane (Eds). Humana Press, in press, 2008.

St Louis EK, Gidal BE, Henry TR, Kaydanova Y, Krumholz A, McCabe PH, Montouris, GD, Rosenfeld WE, Smith BJ, Stern JM, **Waterhouse EJ**, Schulz RM, Garnett WR, Bramley T. Conversions between monotherapies in epilepsy: expert consensus. *Epilepsy Behav*. 2007 Sep;11(2):222-34. Epub 2007 Jun 22

Weaver MF, Bond DS, Arnold BL, **Waterhouse E, Towne A**. Aberrant drug-taking behaviors and headache: patient versus physician report. *Am J Health Behav*. 2006 Sep-Oct;30(5):475-82.

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<http://www.aesnet.org/visitors/ProfessionalDevelopment/MedEd/epilepsyedu.cfm>

ABSTRACTS

- Baron, M.S.**, Wetzell, P.A. Visual fixation abnormalities can be reliably demonstrated in patients with early signs of PD. Abstracts of the 10th International Congress of Parkinson's disease and Movement Disorders, *Mov Disord* 21 (Suppl 15): P824, 2006.
- Bekenstein JW**, Peberdy MA, **Towne AR**, **Garnet LK**, **Waterhouse E**. Seizures predict worse outcome following hypothermia for cardiac arrest. *Epilepsia* 2006, 47(Suppl)
- Blair RE**, **Deshpande LS**, **Sombati S**, Martin BR, **DeLorenzo RJ** Prolonged exposure to WIN 55,212-2 results in increased frequency of seizure discharges in the hippocampal neuronal culture model of acquired epilepsy. 17th Neuropharmacology Conference – Cannabinoid Signaling in the Nervous System, P1.2.16, 2007.
- Blair RE**, **Deshpande LS**, **Sombati S**, Martin BR, **DeLorenzo RJ**. Agonist-induced downregulation of the CB1 receptor results in the expression of status epilepticus-like activity in the hippocampal neuronal culture model of acquired epilepsy. International Cannabinoid Research Society, 17th Annual Symposium on the Cannabinoids, p. 161, 2007.
- Blair RE**, Falenski KW, Martin BR, **DeLorenzo RJ**. Status Epilepticus Causes a Chronic redistribution of Cannabinoid Type-1 Receptor Expression at Glutamatergic and GABAergic Terminals in Epileptic Hippocampus. North American Regional Epilepsy Congress, 3.006, 2006.
- Blair RE**, Falenski KW, Martin BR, **DeLorenzo RJ**. Redistribution of cannabinoid type-1 receptor-dependent regulation at glutamatergic and GABAergic terminals in epileptic hippocampus. Society for Neuroscience, Program No. 473.22, 2006.
- Carter DS, **Blair RE**, Falenski KW, Martin BR, **DeLorenzo RJ**. Redistribution of the CB1 receptor from GABAergic to glutamatergic synapses during the epileptogenic phase following pilocarpine-induced status epilepticus. International Cannabinoid Research Society, 17th Annual Symposium on the Cannabinoids, p. 156, 2007.
- Carter DS, **Deshpande LS**, **Blair RE**, **Sombati S**, **DeLorenzo RJ**. CaMKII modulates alterations in epileptiform activity and calcium homeostasis in a reversible manner in hippocampal neuronal cell cultures. Society for Neuroscience, Program No. 473.17, 2006.

Chiou, V.L., Zuckoff, S.B., **Rice, A.C.**, Shapiro, S.M., Time course of neuroprotection with minocycline in the jaundiced Gunn rat model of acute bilirubin encephalopathy (kernicterus). Pediatric Academic Society, 2008,

Cohen J, Calabresi P, Eickenhorst, Edwards K, **Felton W**, Fischer, E, Fox R, Goodman, A, Hara-Cleaver, C, Hutton G, Imrey, P, Mandell, B, Scott, T, Zhang, H. Results of the Avonex Combination Trial (ACT). American Academy of Neurology, S12.005, 2007.

Deshpande LS, Lou JK, **Blair RE**, **Sombati S**, **DeLorenzo RJ**. In vitro status epilepticus but not spontaneous recurrent seizures cause hippocampal neuronal death in an NMDA-Ca²⁺ dependent manner. Society for Neuroscience, Program No. 165.10, 2007.

Deshpande LS, **Blair RE**, **Sombati S**, **DeLorenzo RJ**. Disruption of endocannabinoid tone results in status epilepticus- like activity in the hippocampal neuronal culture model of acquired epilepsy. Society for Neuroscience, Program No. 766.6, 2006.

Falenski KW, **Blair RE**, Harrison AJ, Sim-Selley LJ, Martin BR, **DeLorenzo RJ**. Temporal changes in hippocampal cannabinoid CB1 receptor expression and function following pilocarpine-induced status epilepticus. Society for Neuroscience, Program No. 766.20, 2006.

Frank LM, Hesdorffer DC, O'Dell C, **Pellock JM**, Nordli DR, Lewis DV, Marmarou A, Shinnar, S. Febrile status epilepticus does not cause CSF pleocytosis: Results of the FEBSTAT Multicenter trial. American Epilepsy Society Annual Meeting, San Diego, CA Dec 1-5, 2006. [Abstract]

Freeman, D, **Burakgazi, E**: Subacute Sclerosing Panencephalitis and Zonisamide: December 2006, American Epilepsy Society, San Diego, CA.

Geiger, A. S., Rice, A. C., **Shapiro, S. M.**, Minocycline is neuroprotective against acute bilirubin toxicity in jaundiced Gunn rat pups, presented at the 35th Annual Meeting of the Child Neurology Society, Pittsburgh, PA, October 2006.

Hesdorffer DC, Hinton VJ, O'Dell C, Masur DM, Nordli D, **Pellock J**, Marmarou A, Lewis DV, Frank LM, Shinnar S. Risk Factors for Febrile Status Epilepticus. American Epilepsy Society Annual Meeting, San Diego, CA Dec 1-5, 2006. [Abstract]

Hesdorffer DC, Shinnar S, **Pellock JM**, Nordli DR, O'Dell C, Lewis DV, Frank LM, Marmarou A. Duration and Complex Features of First Febrile Seizures. Epilepsia, Volume 48, Issue s6, Abstracts from the 2007 Annual

- Meeting of the American Epilepsy Society, Page 1-118, Oct 2007 [Abstract].
- Hoban JD, **Waterhouse E**, Messmer J. MCAT WS Contribution to Clerkship Grades. Southern Group on Educational Affairs, Galveston, TX, May 6, 2006.
- Holloway, K.L., Ramakrishnan, V., **Baron, M.S.** Macrostimulation and MER guided DBS placement identifies the caudal zona incerta as a separate and effective area of stimulation for the treatment of Parkinson's disease. Abstracts of the 57th CNS Congress of Neurological Surgeons Annual Meeting, Sept 15-20, 2007
- Kernitsky L, Morton LK.** *Ambulatory EEG: Is It a Valuable Tool in the Investigation of Possible Epileptic Events.* December 2006, American Epilepsy Society. San Diego, California. Poster Presentation.
- Kopec L, Masho E, Waterhouse EJ, Morton LD, Byers SF, DeLorenzo RJ, Towne AR.** Outcomes of status epilepticus in the elderly. AES Annual Meeting 2007, Philadelphia PA.
- Kurz, Jonathan E., Anderson, Anh L. and **Churn, Severn B.** Calcineurin-Mediated Cofilin Dephosphorylation and Actin Depolymerization in the Pilocarpine Model of Status Epilepticus. *Epilepsia* 3052, 2006.
- Lawson SR, **Waterhouse E**, Seago B, Mazmanian P, Sessler CN. Development and evaluation of a simulated exercise in central line placement (CLP) for M3 students, SGEA, 2007.
- Lewis DV, Chan S, Bello JA, Hesdorffer DC, Marmarou A, Moshe SL, Nordli DR, Frank LM, **Pellock JM**, MacFall J, O'Dell C, Shinnar S. HIMAL is a malformation that Predisposes to Prolonged Febrile Seizures: Data from the FEBSTAT Study. American Epilepsy Society Annual Meeting, San Diego, CA Dec 1-5, 2006. [Abstract]
- Lewis D, Xu Y, Hesdorffer D, Bello J, Chan S, MacFall J, **Pellock J**, Nordli D, Frank M, Marmarou A, Moshe N, O'Dell C, Shinnar S, FEBSTAT Study Team. Restricted Hippocampal Diffusion Following Febrile Status Epilepticus. American Epilepsy Society Annual Meeting, Philadelphia, PA, *Epilepsia*, Volume 48, Issue s6, Abstracts from the 2007 Annual Meeting of the American Epilepsy Society, Page 381-386, Oct 2007 [Abstract].
- Marmarou A, **Pellock JM**, Davis LL, Cason TE, Agnew JP, Shinnar S, O'Dell C, Lewis DV, Nordli DR, Frank DC, Hesdorffer DC. A Web-Based Relational Database System for Management of an Observational Study: Design and

- Development. American Epilepsy Society Annual Meeting, San Diego, CA Dec 1-5, 2006.[Abstract]
- Mazzoni P, **Hristova A** and Krakauer J. *Normal control of arm trajectory in patients with Parkinson's disease in a speed accuracy-reaching task.* Abstract. World Parkinson's Congress, Washington, DC, Feb 22-26, 2006.
- Morton LD**, Julius AD, **O'Hara K**, Jakkampudi V, **Corrie W**. Comparison of non-epileptic events to patient history in pediatric admissions to epilepsy monitoring units: December 2006, American Epilepsy Society, San Diego, CA.
- Nagarkatti N, Carter DS, **Blair RE**, **Deshpande LS**, **DeLorenzo RJ**. The role of the injury-induced calcium plateau during epileptogenesis in mediating neuronal plasticity changes and the development of acquired epilepsy. Society for Neuroscience, Program No. 165.9, 2007.
- Navarro A, Stephens C, **Waterhouse E**. M-3 Passport Demonstration, SGEA, 2007. Parkinson Congress. Mov Disord 21 (Suppl 13): P258, 2006.
- Navarro A, Stephens C, **Waterhouse E**. M-3 clinical skills passport (demonstration), Annual meeting of the Southern Group on Educational Affairs of the Association of American Medical Colleges; 2007 April 19-21, Louisville, KY.
- Pellock JM**. Benefit/Risk Considerations for Vigabatrin: Update 2006. [Abstract]. Eighth EILAT conference on New Antiepileptic Drugs (EILAT VIII), Stiges, Spain, September 10-14, 2006.
- Pellock JM**. Treatment of Infantile Spasms with Adrenocorticotrophic Hormone: Evidence and Use in Clinical Practice. American Epilepsy Society Annual Meeting, San Diego, CA Dec 1-5, 2006. [Abstract]
- Pellock, JM**. How to Use New AEDs in Children. 33rd Annual Meeting of the Southern Clinical Neurological Society, Curacao, Netherlands Antilles, January 14-20, 2006.[Abstract]
- Pellock, JM**. Rufinamide: Efficacy and Safety Data. Eighth EILAT conference on New Antiepileptic Drugs (EILAT VIII), Stiges, Spain, September 10-14, 2006.[Abstract]
- Pellock, JM**. Treatment of Infantile Spasms With Adrenocorticotrophic Hormone: Evidence and Use in Clinical Practice, 33rd Annual Meeting of the Southern Clinical Neurological Society, Curacao, Netherlands Antilles, January 14-20, 2006. [Abstract]

- Qutubuddin A., McGuirk T., Cifu D.X., Carne W., Bansal S., Picket T., **Baron M.S.** A description of balance characteristics in Parkinson's disease using computerized dynamic posturography. Abstracts of the First World
- Rice, A.C.**, Chaniary, K.D., Shapiro, S.M., Bilirubin-induced auditory impairment in 45 day old Gunn rats. Society for Neuroscience Annual Meeting, San Diego, CA, November 2007.
- Rice, A.C., Shapiro, S.M.**, Phenylhydrazine (PHZ) hemolysis-induced bilirubin encephalopathy in jaundiced (jj) Gunn rat pups, Pediatric Academic Societies' Annual Meeting, 2007
- Rice, A. C., Shapiro, S. M.**, Apoptosis in the inferior colliculus of the jaundiced Gunn rat model of auditory neuropathy/dys-synchrony (AN/AD), presented at the 2006 MidWinter Meeting of the Association for Research in Otolaryngology. Baltimore, MD, February 5-9, 2006.
- Saidi A., **Baron M.S.**, Lum P., McGuirk T., Qutubuddin A., Carne W., Cifu D.X., Holloway K.L., Roberge P. Quantitative analysis of parkinsonian rigidity as a function of speed and correlation to clinical scales. Abstracts of the First World Parkinson Congress. Mov Disord 21 (Suppl 13): P101, 2006.\
- Seago BL, Williams SP, Han D, Lawson SR, Sessler CN, **Waterhouse E**, Mazmanian P. Integration of simulation into clinical skills education for medical students (peer-reviewed poster). Annual Conference of the Medical Library Association; 2007 May 18 – 23; Philadelphia, PA.
- Sessler CN, Grossman C, Lawson S, Seago B, Mazmanian P, **Waterhouse E**, Central Venous Catheterization Simulation: Development and Implementation. Presented at Virginians Improving Patient Care and Safety, Annual Meeting, Richmond, Virginia, May 23, 2007.
- Shinnar S, Hesdorffer DC, Nordli DR, **Pellock JM**, O'Dell C, Lewis DV, Frank LM, Moshe SL, Marmarou A. Phenomenology of Prolonged Febrile Seizures: Preliminary Results of the FEBSTAT study. American Epilepsy Society Annual Meeting, San Diego, CA Dec 1-5, 2006. [Abstract]
- Shinnar S, **Pellock JM**, Conry JA. Open-label, Long-term Safety Study of Zonisamide Administered to Children With Epilepsy. [Abstract]. 58th Annual Meeting of the American Academy of Neurology. San Diego, CA, April 1-8, 2006
- Towne A, O'Hara K, Perseghin A, Burakgazi-Dalkilic E.** Tolerability and efficacy of Depakote ER in the elderly. AES Annual Meeting 2007, Philadelphia PA.

Waterhouse E, Kopec L, Ramakrishnan V, Towne A, DeLorenzo RJ.
Nonconvulsive status epilepticus (NCSE): Risk factors and mortality. AES
Annual Meeting 2007, Philadelphia PA.

Wetzel, P.A., Mallahan, E.L., Calabrese, W.P., **Felton, W.L., Baron, M.S.**
Stability in visual fixation in Parkinson's disease. Abstracts of the First
World Parkinson Congress. Mov Disord 21 (Suppl 13): P142, 2006.

Wu, J., **Rice, A. C.**, Shapiro, S.M. Minocycline retains its neuroprotective
properties against acute bilirubin toxicity in jaundiced Gunn rat pups,
submitted to the 36th Annual Meeting.