

STEPHEN J. RYAN, MD	CURRICULUM VITAE
	<p>Department of Neurology Kentucky Clinic (Wing D), L445 University of Kentucky Lexington, KY 40536-0284</p> <p>Phone (859) 323-6702 ext. 251 Fax (859) 323-5942 Laboratory: (859) 323-5064 E-mail: sjryan@uky.edu</p>

Board Certification	
American Board of Psychiatry and Neurology - Neurology	May, 1997
American Board of Psychiatry and Neurology - Subspecialty Certification in Clinical Neurophysiology,	1999
Licensure	
Missouri EMT-A License	1986-1991
Kentucky Medical License Number	28117
DEA Number	2872287
UPIN Number	G09857

Education	
B.A. (Psychology and Biology) Washington University, St. Louis	1986
M.A. (Psychology) Washington University, St. Louis	1986

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Emergency Medical Technician (EMT-A), Washington University, St. Louis	1986
M.D. University of Missouri School of Medicine, Columbia, MO	1990
Internship, Internal Medicine University of Kentucky Medical Center, Lexington, KY	7/1/90-6/30/91
Resident, Neurology University of Kentucky Medical Center, Lexington, KY	7 / 1/91-6 /30/94
Chief Resident, Neurology University of Kentucky Medical Center, Lexington, KY	7/1/93-6/30/94
Fellowship Clinical Neurophysiology & Neuromuscular disease University of Kentucky Medical Center, Lexington, KY	7/1/94-6-30/95

Additional Education			
CS 585 (INF 401G)	Introduction to Informatics	Spring 1999	University of Kentucky
HSM 511	Health Informatics	Fall 1999	University of Kentucky
HSM 775	Spec Tops In Hlth Admin	Spring 2000	University of Kentucky

Academic Appointments	
University of Kentucky	
Assistant Professor of Neurology	1995-2002

Associate Professor of Neurology	6/2002- present
Director, Electroencephalography Laboratory	12/2004-present
Director, Quantitative Sensory Testing Laboratory	1995-present
Director, Myasthenia Gravis Clinic	1995-present
Director, Dizziness and Vertigo Clinic	1997-present
Additional Appointments	
Consultant Highlands Regional Medical Center Paintsville, KY	8 / 4 / 95-7 / 96
Consultant Commission for Children with Special Medical Needs Regional Clinics Commonwealth of Kentucky	1991-present
Consultant Public Stroke Screening UK Stroke Program, Lexington, KY	1995-present
Consultant and Attending Physician, Neurology and Clinical Neurophysiology Veterans Administration Medical Center Lexington, KY	1995-present
Consultant Federal Medical Center, Lexington, KY	1995- 2006

Membership		
American Academy of Neurology	Active	1991-present
American Association of Electrodiagnostic Medicine	Associate	1995-present
Commonwealth Neurological Society	Active	1995-present

TEACHING RESPONSIBILITIES

Neuromuscular Conference, monthly, Department of Neurology, 1994-present [monthly preparation and presentation of case study and didactic material for monthly neuromuscular clinicopathological conference in association with Department of Pathology]

Lecturer, University of Kentucky Family Practice CME, 1999, "The Efficient Neurological Exam"

Lecturer, Neu 841, Univ of KY School of Med, "Dementia"

Lecturer, Neu 832, Univ of KY School of Med, "Neuropathy/Myopathy"

Lecturer, Neu 832, Univ of KY School of Med, "Seizure Disorders"

Lecturer, Neu 832, Univ of KY School of Med, "Clinical Neurophysiology"

Lecturer, PAS 854, UK Physician Asst Program, "Stupor & Coma"

Lecturer, Univ of KY School of Dentistry, "Neurologic Exam"

Lecturer, Univ of KY College of Education Rehabilitation Counseling RC 516- Medical and Psychosocial Aspects of Disabilities II "Epilepsy" 3/24/03

Tutor, Clinical Neurosciences Problem Based Learning (Neu 832/833), 9/95-Present

Tutor, Medical Interview MD811, 11/95-2/96

Lecturer, University of Kentucky Family Practice CME, 2000-2001, "Myasthenia gravis"

Preceptor, Physical Diagnosis IMP-821 10/2003-4/2004

Grand Rounds, Dept of Neurology, Univ of KY, "Neurologic Evaluation of Impotence", 1/94

Grand Rounds, Dept of Neurology, Univ of KY, "Transmissible Spongiform Encephalopathies", 12 / 1 / 94

Grand Rounds, Dept of Neurology, Univ of KY, "Equine Neurology 101: Neurological Examination of the Horse", 5/27/1999

Grand Rounds, Dept of Neurology, Univ of KY, "Lafora Body Disease", 2000

Grand Rounds, Dept of Neurology, Univ of KY, "Equine Neurology 102: Neurological Diseases of the Horse", 4/13/2000

Grand Rounds, Dept of Neurology, Univ of KY, "Botulinum Toxin for the Treatment of Migraine", 10/19/2000

Grand Rounds, Dept of Neurology, Univ of KY, "Equine Neurology 103: Equestrian Neurologic Injuries", 1/25/2001

Grand Rounds, Dept of Neurology, Univ of KY, "An Interesting Case" [Congenital myasthenia] 8/8/2002

Grand Rounds, Dept of Neurology, Univ of KY, "Ballistics and Craniocerebral Trauma" 3/13/2003

Invited Talks

Grand Rounds, Division of Neurosurgery, Dept of Surgery, Univ of KY, "Back pain from a neurologist's viewpoint" 1/7/1999

Grand Rounds, Division of Neurosurgery, Dept of Surgery, Univ of KY, "Intraoperative monitoring" 2000

Grand Rounds, Division of Neurosurgery, Dept of Surgery, Univ of KY, "Myasthenia gravis" 6/14/2001

Grand Rounds, Division of Neurosurgery, Dept of Surgery, Univ of KY, "Ballistics and Craniocerebral Trauma" 5/29/2003

Bluegrass Pharmacy Association, "Diabetic Neuropathy", 5/6/03

Kitosato University, College of Pharmacy, Tokyo Japan, "Diabetic Neuropathy", 7/04

SERVICE	
Departmental	
Ad Hoc Computer Use Committee	
Resident Teaching Committee	
Staff Ad Hoc Committee, Dept Neurology	
University	
University of Kentucky Health Information System Committee ICIS Acute Care Team, UK Medical Center	
Departmental coordinator Year 2000 Initiative	
Restraint Practices Committee, UK Medical Center, 2000	
Respiratory Care Committee, UK Medical Center, 2001	
Emergency Services User Group for the New Patient Care Facility	August @005- present

HONORS

1990 Scott A. Willis Memorial Scholarship

PUBLICATIONS

Wolf C, Almlı CR, Finger S, Ryan S, Morgane PJ. Behavioral effects of severe and moderate early malnutrition. *Physiol Behavior* 1986;38:725730.

Ryan SJ, Smith CD, Slevin JT. Magnetic resonance imaging in ochronosis, a rare cause of back pain. *J Neuroimag* 1994;4:41-2.

Smith CD, Ain KB, Ryan S, Ngai BC. Systemic embolism in thyrotoxicosis without cardiac arrhythmia. *Thyroid* 1994;4:209-211.

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Ryan SJ, Gilliam F, Baumann RJ. Gastroparesis after combined callosotomy and unilateral frontal lobectomy. *J Epilepsy* 1994;7(4):318320.

Ryan SJ, Bishof NA, Baumann RJ. Occurrence of renal Fanconi syndrome in children on valproic acid therapy. *J Epilepsy* 1996;9:35-8.

Ryan SJ, Pettigrew LC. Cranial arteriopathy in familial Vogt-Koyangi-Harada syndrome. *J Neuroimag* 1995;5:244-245.

Ryan SJ, Nelson KR. Poliomyelitis. In: Conn RB, Borer WZ, Snyder JW eds. *Current Diagnosis*, 9th ed., 1997. Philadelphia: WB Saunders.

Ryan SJ. The illness of Saint Fina. *J Child Neurol* 1996;11(3):259.

Smith C.D., Ryan S.J., Hoover S.L., Baumann R.J. MRI findings in Aicardi s syndrome. *J. Neuroimaging* 1996;6(4):214-222.

Pettigrew LC, Ryan SJ, Spetzler R, Caplan L. Vertebral "Kinks 'n Coils~ Syndrome. *Neurology* 1996 46(2 Supp): A192. [Abstract].

Ryan SJ. Disorders of gait [chapter] in Corey-Bloom, J (ed): *Diagnosis in Adult Neurology*. St. Louis, Mosby, 1997

Berger JR, Ryan SJ, Medical myelopathies (chapter), in Rothman, Richard H., and Simeone, Frederick A.,(eds), *The Spine*, 4th ed. Philadelphia, W B Saunders Co. , 1999.

Sainz J, Minassian BA, Serratos JM, Gee MN, Sakamoto LM, Iranmanesh R, Bohlega S, Baumann Rd, Ryan S, Sparkes RS, Delgado-Escueta AV. Lafora progressive

myoclonus epilepsy: narrowing the chromosome 6q24 locus by recombinations and homozygosities. *Am J Hum Genet.* 1997 Nov; 61(5): 1205-12c.

Ryan SJ, Berger JR, Davis D, Fox G. Antemortem diagnosis and treatment of subacute diencephalic angioencephalopathy [abstract], 1997, American Neurological Association.

Ryan SJ, Kasarskis EJ Lower motor neuron disease in osteogenesis imperfecta [Poster] 10/99, American Association of Electrodiagnostic Medicine conference, Vancouver, BC, Canada.

Ryan, SJ, Espinosa, P. Epidemiology of HIV in Ecuador [Poster] 6/00, Neuroscience of HIV Conference, Edinburgh, UK

Ryan SJ. Disorders of gait [chapter] in Corey-Bloom, J (ed): *Blackwell's Neurology And Psychiatry Access - Adult Neurology*, 2nd rev. ed.. Oxford, Blackwell Publishing Professional, Oct 2005.

Vaishnav et al. (accepted) Telephonic Guidance of Systemic Thrombolysis in Acute Ischemic Stroke: Safety Outcomes in Rural Hospitals *Clinical Neurology and Neurosurgery*, 2008

RESEARCH TRIALS

Safety and efficacy of tiagabine HC1 monotherapy in the treatment for partial seizures: High dose versus low dose, 1994 (Abbott/Novo Nordisk), research assistant. Principle investigator -- John Slevin, MD.

A controlled study of ondansetron in the treatment of primary degenerative dementia of the Alzheimer type., 1994 (Glaxo), co-investigator.

A placebo-controlled study to determine the effects of 500mg, 1000mg, 2000mg citicholine in ischemic stroke patients, 1994-5 (Interneuron Pharmaceuticals), co-investigator. Principle investigator -- L. Creed Pettigrew, MD.

Event related potentials (P300) in head injury patients treated with Insulin-like Growth Factor- 1 (rhIGF- 1), 1995, co-investigator. Principle investigator - Kevin Nelson, MD.

Double-blind, randomized, placebo-controlled, parallel-group trial of the efficacy and safety of enlimomab {anti-ICAM- 1) compared to placebo administered within six hours of the onset of stroke symptoms, for treatment of acute ischemic stroke., 1995 (Boehringer Ingelheim 1067), co-investigator. Principle investigator -- L Creed Pettigrew, MD.

A Phase II, Double-blind trial of recombinant human nerve growth factor for treatment of HIV-associated sensory neuropathy., 1996 (Genentech), co-investigator. Principle investigator -- Justin MacArthur, MBBS, MPH.

Intravenous nalmefene Acute Stroke Study, 1995-6. (Baker Norton Pharmaceuticals, Protocol IX-103-002), co-investigator. Principle investigator - L. Creed Pettigrew, MD.

Thrombolytic therapy in acute ischemic stroke, 1996 (Genentech, A0276g), co-investigator. Principle investigator - L. Creed Pettigrew, MD.

Recombinant prourokinase MCA stroke study, 1996 (Abbott M93-115), co-investigator. Principle investigator - L. Creed Pettigrew, MD.

Losigamone as Monotherapy in the Treatment of Complex Partial Seizures, 1996 (NIH), co-investigator. Principle investigator - Edwin Trevathan.

A prospective multicenter dose-ranging study of intra-arterial thrombolysis in acute middle cerebral artery distribution thromboembolic stroke, 1997 (Abbott M93-115), co-investigator. Principle investigator - L. Creed Pettigrew, MD.

The effect of 500 mg citicholine on the evolution of lesion volume in human stroke using diffusion weighted magnetic resonance imaging, 1997 (Interneuron Pharmaceuticals, P302-010), co-investigator. Principle investigator - L. Creed Pettigrew, MD.

A randomized, double-blind, placebo-controlled parallel-group multicenter trial of two dosages of Fiblastr (trafermin) in patients with acute stroke, 1998 (Wyeth-Ayerst, 03062K1-200-US), co-investigator. Principle investigator - L. Creed Pettigrew, MD.

Vitamin intervention for stroke prevention, 1997 (NIH/NINDS, NS 344471), co-investigator. Principle investigator - L. Creed Pettigrew, MD.

The Clomethiazole acute stroke study in ischemic stroke (CLASS I), 1998 (Astra USA, SA-CMZ-0009), co-investigator. Principle investigator L. Creed Pettigrew, MD.

The effects of 500 mg of Citicholine on clinical outcome and the evolution of lesion volume in human stroke using diffusion weighted and perfusion magnetic resonance imaging, 1998 (Interneuron Pharmaceuticals #IP302-010), co-investigator. Principle investigator- L. Creed Pettigrew, MD.

The Clomethiazole acute stroke study in acute intracerebral hemorrhage (CLASS H), 1998 (Astra USA, SA-CMZ-0010), co-investigator. Principle investigator- L. Creed Pettigrew, MD.

A Multi-center, Double-blind , Placebo-controlled, Parallel Evaluation of LAMICTAL as Add-on Therapy for with Valproic Acid for the Treatment of Generalized Seizures in Pediatric and Adult Patients (Glaxo Wellcome 105-045), 1996 , co-investigator. Principle investigator - Edwin Trevathan.

Effects of Citalopram on Clinical Outcome - 2000 mg (ECCO 2000), 1999(Interneuron Pharmaceuticals #IP302-018), co-investigator. Principle investigator - L. Creed Pettigrew, MD.

A Multicenter, Double-blind, Randomized, Placebo-Controlled Evaluation of Lamictal (lamotrigine) in Adult Subjects with HIV-Associated Peripheral Neuropathy (LAM40006), 1999, co-investigator. Principle investigator - Joseph R. Berger, MD.

A double blind placebo controlled safety, efficacy and dose responses trial of two intravenous doses of BMS-204352 in patients with acute stroke (Bristol Myers Squibb CN 123-010),2000, co-investigator. Principle investigator - L. Creed Pettigrew, MD.

A double blind placebo controlled safety, efficacy and dose response trial of two intravenous doses of BMS-204352 in patients with acute stroke (Bristol Myers Squibb CN123-010) MRI substudy (Amendment 1 site specific), 2000, co-investigator. Principle investigator- L. Creed Pettigrew, MD.

A multicenter, double-blind, randomized tolerability, safety and pharmacokinetics study of escalating multiple doses of ONO-2506 in acute ischemic stroke patients (ONO Pharmaceuticals, 2506/US01031), 2000, , co-investigator. Principle investigator - L. Creed Pettigrew, MD.

A safety and neuroimaging trial of intravenous BMS-204352 versus placebo in patients with acute stroke, 2000 (Bristol Myers Squibb CN123-020), co-investigator. Principle investigator - L. Creed Pettigrew, MD.

A double-blind, placebo-controlled, multi-center study to evaluate the safety and efficacy of a 72 hour infusion of CP-101,606 in subjects with acute ischemic stroke in the forebrain, 2000 (Pfizer NO: 161-106), subinvestigator. Principle investigator - A. Byron Young, MD

AMPA Receptor Antagonist Treatment in Ischemic Stroke Trial [ARTIST] (Yamaouchi YM872-CL-003), 2001, co-investigator. Principle investigator - L. Creed Pettigrew, MD.

Multicenter, double-blind, randomized, placebo-control, parallel-group study to evaluate the safety and efficacy of three dose groups of Trileptal® in patients with neuropathic pain due to diabetic neuropathy.(Novartis, CTRI476G2303), 2001, sub-investigator. Principal investigator: Donald C. Manning, MD, PhD.

Warfarin versus Aspirin for Symptomatic Intracranial Disease (WASID) study (NIH/NINDS, NS36643-01), 2002, co-investigator. Principle investigator- L. Creed Pettigrew, MD.

A Randomized, Double-Blind, Placebo-Controlled, Multi-Center Study of the Effects of ONO-2506 Intravenous Infusion on the Amelioration of Neurological Damage and Improvement of Stroke Assessment Scale Scores in Patients with Acute Ischemic Stroke (ONO Pharma, USA, Inc., 2506/INT 0104), 2002, co-investigator. Principle Investigator- L. Creed Pettigrew, MD.

Warfarin Versus Aspirin in Reduced Cardiac Ejection Fraction (WARCEF) Study (NIH/NINDS, NS43975-01) 2002, co-investigator. Principle Investigator- L. Creed Pettigrew, MD.

Management of Atherothrombosis with Clopidogrel in High-risk patients with recent transient ischemic attack or ischemic stroke: A Randomized, Double-Blind Study, with 18 months of follow-up. (MATCH) (Sanofi-Synthelabo, EFC7331), 2002, co-investigator. Principle investigator-L. Creed Pettigrew, MD.

Dose Escalation Study of Desmoteplase (INN) In Acute Ischemic Stroke - Multicenter, double-blind, placebo-controlled, randomized Phase I/II trial of desmoteplase in the indication of acute ischemic stroke (DEDAS), 2002 (PAION, PN01-01/CD001), co-investigator. Principle investigator- L. Creed Pettigrew, MD.

Multicenter, double-blind, randomized, placebo-control, parallel-group study to evaluate the safety and efficacy of three dose groups of Trileptal in patients with neuropathic pain due to diabetic neuropathy, 2001 (Novartis Pharma), co-investigator. Principle investigator – Toufic Fakhoury, MD.

A Multicenter, Open-Label conversion of valproate monotherapy to Lamotrigine Monotherapy in Patients with Epilepsy. , 2002 (GlaxoSmithKline, LAM40013), co-investigator. Principle investigator – Toufic Fakhoury, MD.

A Multi-Center, Double-Blind, Randomized, Placebo-Controlled, Parallel-Group Evaluation of Lamotrigine Adjunctive Therapy in Subjects with Primary Generalized Tonic-Clonic Seizures, 2002 (GlaxoSmithKline, LAM40097), co-investigator. Principle investigator – Toufic Fakhoury, MD.

A Multicenter, Open-Label, Pilot study of Lamotrigine as Adjunctive Therapy and Monotherapy in Patients with Epilepsy and Comorbid Depressive Symptoms, 2002 (GlaxoSmithKline, LAM40117), co-investigator. Principle investigator – Toufic Fakhoury, MD.

Warfarin vs. Aspirin for Symptomatic Intracranial Disease (WASID) 2002 (NINDS), co-investigator. Principle investigator- L. Creed Pettigrew, MD.

Desmoteplase in Acute Ischemic Stroke 2003 (Paion GmbH), co-investigator. Principle investigator- L. Creed Pettigrew, MD.

Double-Blind, Randomized Trial of Cognitive Effects of Lamictal vs. Topiramate in Epilepsy, 2003 (GlaxoSmithKline, LAM40112), co-investigator. Principle investigator – Toufic Fakhoury, MD.

Double-Blind, Randomized Trial of Cognitive Effects of Lamictal vs. Topiramate in Epilepsy, POL substudy, 2003 (GlaxoSmithKline, LAM40112), co-investigator. Principle investigator – Toufic Fakhoury, MD.

A randomized, double-blind, placebo-controlled, Multicenter dose ranging study to evaluate the efficacy and safety of prosaptide over 6 weeks of treatment for the relief of neuropathic pain associated with HIV-1, 2003 (NARC 009/BTGC C0603), co-investigator. Principle investigator – Justin McArthur, MBBS, MPH.

A Multicenter, double-blind, randomized, placebo-controlled, parallel group trial to investigate the efficacy and safety of SPM 927 (200 mg/day, 400 mg/day, 600 mg/day) as adjunctive therapy in subjects with partial seizures with or without secondary generalization, 2003 (Schwarz Biosciences, SP667), co-investigator, Principle investigator – Toufic Fakhoury, MD.

Secondary Prevention of Subcortical Strokes (SPS-3), 11/01/03-01/31/08 (NIH/NINDS 2 U01 NS38529), co-investigator. Principle investigator - Anand Vaishnav

Hemicraniectomy and Durotomy upon Deterioration from Infarction Related Swelling: A Prospective, Randomized Clinical Trial (HeADDFIRST), 09/18/99 - 06/30/02 (NIH - R01 NS40299), co-investigator. Principle investigator - L. Creed Pettigrew, MD.

Efficacy and Safety of the Oral Direct thrombin Inhibitor H376/95 Compared with Dose-Adjusted Warfarin (Coumadin(r)) in the prevention of Stroke and Systemic Embolic Events in Patients with Atrial Fibrillation (SPORTIF V), 10/05/00 - 10/05/03 [AstraZeneca 233 (SH-TPA-0005)]), co-investigator. Principle investigator - L. Creed Pettigrew, MD.

An Assessment of Behavioral Changes Associated with Lamotrigine and Levetiracetam in Patients with Epilepsy, 2003 (GlaxoSmithKline, LAM40124), co-investigator, Principle investigator – Toufic Fakhoury, MD.

An open-label extension trial to determine tolerability and efficacy of long-term oral SPM 927 as adjunctive therapy in patients with partial seizures", 2003 (Schwarz Biosciences, SP 615), co-investigator, Principle investigator – Toufic Fakhoury, MD.

A Randomized, Double-Blind, Parallel-Group Multicenter Study of the Safety and Efficacy of Depakote Sprinkle Capsules in the Treatment of Partial Seizures in Children, 2003 (Abbot Laboratories M02-552), co-investigator, Principle investigator – Toufic Fakhoury, MD.

A Multicenter, Open Label, Phase IV Study to Assess the Tolerability, Safety and Effectiveness of Switching from Carbamazepine Immediate release and Liquid Formulations to Carbatrol Extended release Capsules in Epilepsy Subjects within a community Based Population, 2002-2003 (Shire Laboratories, 433.401), co-investigator, Principle investigator – Toufic Fakhoury, MD.

Assessment of effect on Behavior and Daily Living Skills in Cognitively Challenged refractory Epilepsy Patients Using Vagus Nerve, 2002-2003 (Cyberonics), co-investigator, Principle investigator – Toufic Fakhoury, MD.

A Multicenter, Double-blind, Randomized, Placebo-controlled, Parallel-Group Trial to Investigate the Efficacy and Safety of SPM 927 (400 and 600mg/day) as Adjunctive Therapy in Subjects with Partial Seizures with or without Secondary Generalization, 2004 (Schwarz BioSciences, SP 754), co-investigator, Principle investigator – Toufic Fakhoury, MD.

A randomized, double-blind, placebo-controlled, multicenter, dose ranging study to evaluate efficacy and safety of prosaptide over 6 weeks of treatment for the relief of neuropathic pain associated with HIV-1, 2003 (NARC 009/Savient C0603), co-investigator, Principle investigator – Joseph Berger, MD.

Prevention regimen for effectively avoiding second strokes (PROFESS): A double-blind, active and placebo controlled study of Aggrenox® vs clopidogrel + aspirin, with and without Micardis®, 2003 (Boehringer Ingelheim 9.159), co-investigator. Principle investigator - L. Creed Pettigrew, MD.

A Multi-Center, Randomized, Blinded, Parallel-Group Study of AVONEX® Compared with AVONEX® in Combination with Oral Methotrexate, Intravenous Methylprednisolone, or Both in Subjects with Relapsing-Remitting Multiple Sclerosis Who Have Breakthrough Disease on AVONEX® Monotherapy [AVONEX® Combination Trial – ACT] 2004 (Biogen Idec C-865). Coordinating investigator – Jeffrey A. Cohen, MD.

Siblings With Ischemic Stroke Study (SWISS) 2004), co-investigator. Coordinating investigator – James F. Meschia, MD

Randomized Evaluation of Recurrent Stroke comparing PFO Closure to Established Current Standard of Care Treatment [RESPECT] 2003 (AGA G990318). Principle investigator - L. Creed Pettigrew, MD.

International, randomized, multicenter, phase IIIb study in patients with relapsing-remitting multiple sclerosis comparing over a treatment period of 104 weeks: 1. Double-blinded safety, tolerability and efficacy of Betaseron/Betaferon 250 g (8 MIU) and Betaseron/Betaferon 500 g (16 MIU), both given subcutaneously every other day, and 2. Rater-blinded safety, tolerability and efficacy of Betaseron/Betaferon s.c. every other day with Copaxone 20 mg s.c. once daily [BEYOND -- Betaferon/Betaseron Efficacy Yielding Outcomes of a New Dose], 2004 Berlex, 306440), co-investigator, Principle investigator – Joseph Berger, MD.

A Double-Blind, Placebo-Controlled, Dose-escalation, Parallel-Group Study of E2007 Given as Adjunctive Therapy in Patients with Refractory Partial Seizures. 2005, (EISAI E2007-A001-206), co-investigator, Principle investigator – Toufic Fakhoury, MD.

An Open-Label Trial to Investigate the Safety and Tolerability of Intravenous SPM 927 as replacement for Oral SPM 927 in Subjects with Partial Seizures with or without Secondary Generalization. 2005 (Schwarz Biosciences SP 757), co-investigator, Principle investigator –

Toufic Fakhoury, MD.

A Multicenter, Double-Blind, Randomized, Parallel-group Evaluation of Lamictal Extended-release Adjunctive Therapy in Subjects with Partial Seizures. 2004 (GlaxoSmithKline LAM 100034), co-investigator, Principle investigator – Toufic Fakhoury, MD.

An open-label extension trial to determine safety and efficacy of long-term oral SPM 927 in patients with partial seizures. 2004 (Schwarz Biosciences SP 756), co-investigator, Principle investigator – Toufic Fakhoury, MD.

A Multicenter, Double-blind, Randomized, Placebo-controlled, Parallel Group Trial to Investigate the Efficacy and Safety of SPM 927 (400 and 600mg/day) as Adjunctive Therapy in Subjects with Partial Seizures with or without Secondary Generalization. 2003 (Schwarz Biosciences SP 754), co-investigator, Principle investigator – Toufic Fakhoury, MD

An open-label extension trial to determine tolerability and efficacy of long-term oral SPM 927 as adjunctive therapy in patients with partial seizures. 2003 (Schwarz Biosciences SP 615), co-investigator, Principle investigator – Toufic Fakhoury, MD

An Assessment of Behavioral Changes Associated with Lamotrigine and Levetiracetam in Patients with Epilepsy 2003 (GlaxoSmithKline LAM 40124), co-investigator, Principle investigator – Toufic Fakhoury, MD

Randomised, Double-Blind, Placebo Controlled, Multi-Centre, Parallel Groups Confirmatory Efficacy and Safety Trial of Activated Recombinant Factor VII (NovoSeven®/Niastase®)in Acute Intracerebral Haemorrhage [(F7ICH)2005 (Novo Nordisk 1641) co-investigator. Principle investigator-Anand Vaishnav, MD.

Acute Ischemic Stroke with Measurable Penumbra on MRI (Suntory/SCIREX N4507), co-investigator. Principle investigator- L. Creed Pettigrew, MD.

An Open Label, Multicenter Study of the Long Term Safety of Depakote Sprinkle Capsules in the Treatment of Partial Seizures in Children. [Abbot Laboratories. M04-714]., sub-investigator. Principle investigator – Toufic Fakhoury, MD

An Open-label, Double Conversion Study to Characterize the Pharmacokinetics of Lamotrigine when Switching Patients with Epilepsy on LAMICTAL Immediate-release to Extended-release formulation [GlaxoSmithKline LEP103944]., sub-investigator. Principle investigator – Toufic Fakhoury, MD

A Randomized, Double-Blind, Placebo-Controlled, Multicenter, Parallel-Group Phase 3 Study To Determine The Efficacy And Safety of Retigabine (1200 Mg/Day) Used As Adjunctive

7/9/2008

Therapy In Refractory Epilepsy Patients With Partial-Onset Seizures [Valeant Vrx-Ret-E22-301]., sub-investigator. Principle investigator – Toufic Fakhoury, MD

Randomized, Double-blind, Placebo-controlled Phase II Trial of the Safety, Tolerability and Immunogenicity of Lyophilized Chimerivax™-WN02 West Nile Vaccine in Healthy Adults; Safety and Effectiveness of West Nile Vaccine in Healthy Adults 2006 [Acambis H-244-003]., sub-investigator. Principle investigator – Richard Greenberg, M.D.