`CURRICULUM VITAE

JAMES R. COUCH, JR., M.D., Ph.D. F.A.C.P.

PERSONAL DATA

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EDUCATION

1961 Texas A&M University, B.S., Zoology
1965 Baylor University College of Medicine, M.D.
1966 Baylor University College of Medicine, Ph.D.
Degree granted in Physiology (M.D. and Ph.D. were obtained in a combined six year program.)

POST-GRADUATE

1965-1966 Postdoctoral Fellowship, National Heart Institute
1966-1967 Internship, Ward Medical Service, Barnes Hospital, St. Louis, Missouri
1967-1969 Fellowship, National Institutes of Health, Staff Fellow, Laboratory of Neuropharmacology, National Institute of Mental Health
1969-1972 Resident, Department of Neurology, Washington University, School of Medicine, St. Louis, Missouri
1969-1972 Special traineeship, National Institute of Neurological Diseases & Stroke

UNIVERSITY APPOINTMENTS

July 1972-June 1976 Assistant Professor, Department of Medicine, Division of Neurology, University of Kansas Medical Center; Kansas City, Kansas
July 1976-March 1979 Associate Professor, Department of Neurology, University of Kansas Medical Center; Kansas City, Kansas
March 1979-July 1992 Professor and Chief, Department of Medicine, Division of Neurology, Southern Illinois University School of Medicine; Springfield, Illinois
Feb. 1988-May 1989 Acting Chairman, Department of Medicine, Southern Illinois University School of Medicine; Springfield, Illinois
Aug. 1992-April 2006 Professor and Chair, Department of Neurology, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma
April 2006-present Professor of Neurology, Department of Neurology, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma
Oct. 2000-April 2004 Associate Chairman of the Neuroscience Service, University Health Partners, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma
April 2004-March 2006 Chairman of the Neuroscience Service, University Health Partners, University of Oklahoma Health Sciences Center, Oklahoma City Oklahoma

August 2006-November 2006	Visiting Professor of Neurology, Department of Neurology, Albert Einstein Medical School of Yeshiva University, Bronx New York
April 2006-present	Professor of Neurology, Department of Neurology, University of Oklahoma Health Sciences Center
August 1992-present	Staff Neurologist, Oklahoma City Veterans Affairs Medical Center
April 2006-present	Chief of Clinical Neurophysiology Laboratory, Oklahoma City VAMC

MILITARY:

July 1967 - June 1969	Surgeon (Lt. Cdr.), U.S. Public Health Service

DIPLOMATE/CERTIFICATION

1974 American Board of Psychiatry and Neurology Certificate #13559
1989 Fellow, American College of Physicians
2002 American Board of Psychiatry and Neurology,
Special Qualification in Neurophysiology (Originally granted – 1992, Recertification 2002)
1992 Certified in Neurorehabilitation, American Society of Neurorehabilitation
2006 Certified in Headache Medicine, United Council Of Neurologic Subspecialties

LICENSURE

September 1992-present	Oklahoma 18255
August 1965-February 2003	Texas State Board of Examiners D2403
October 1965	Board of Examiners, State of Maryland D0004401
Dec. 1971-1983	Kansas State Board of Medical Reg. and Exam. 4-15114
August 1974-1983	Missouri State Board of Medical Examiners MDR5710
March 1979-1993	Illinois State Board of Medical Examiners 036-058509

RESEARCH FUNDING

Current:

:1. Couch JR, Hanas J. Development of Unique Serum Biomarkers with Mass Spectroscopy for Diagnosis of Veterans with Chronic Post Traumatic Headache versus Idiopathic Chronic Migraine . Grant approved 1/15/16, Grant initiated 7/15/2016 and will run until 1/31/2018. Final report due 11/15/2016

Completed:

1. Special Traineeship-NINDS, $9,000/year. 7/69 to 6/72.
2. Treatment of spasmodic Torticollis with Haloperidol, Principal Investigator, McNeil Laboratories, Fort Washington, $3,000. 2/73 to 6/74.
3. The Response of Neurons in the Midline Raphe nuclei to Serotonin Norepinephrine and Acetylcholine. Principal Investigator, National Institution of Neurologic Disease and Stroke, NS 10704, Principal Investigator, $31,000. 03/74 to 07/76.
4. Study of Pavabid in Therapy of Stroke, Co-investigator, Marion Laboratories, Kansas City, MO; $500,000. 6/74 to 3/79.
5. A controlled Trial of Amitriptyline Versus Placebo in Therapy of Migraine Headache, Principal Investigator, Merck Research Laboratories, $29,000. 10/74 to 10/76.
6. A Multicenter Trial of Amitriptyline Versus Placebo in Therapy of Migraine, Principal Investigator, Merck Research Laboratories, $30,000. 1/77 to 2/79.
7. A Study of Flexeril/Aspirin as Compared with Flexeril, Aspirin, or Placebo Alone in Prophylactic Treatment of Patients with Recurrent Muscle Contraction Headache, Principal Investigator, Merck Research Laboratories, $40,536. 4/80 to 4/82.

8. A Controlled Study on the Efficacy and Safety of Timolol, Propranolol, and Placebo in Patients with Migraine Headaches, Merck Research Laboratories, principal Investigator, $26,320. 10/81 to 11/83
9. Comparison of Fenoprofen Calcium to Placebo in Migraine, Principal Investigator, Lilly Laboratories, Indianapolis, IN, $45,000. 4/83 to 3/86.
10. Ticlopidine Hydrochloride vs. Aspirin Therapy in Patients Who Have Transient Cerebral Ischemic Attacks (T.I.A.) ("Little Strokes") and Who Are at Higher Risk for Stroke Development, Principal Investigator, Syntex Research Laboratories, $252,040. 10/82 to 12/87.
11. A Double-Blind Pilot Multicenter Crossover Study of the Efficacy and Safety of PY 108-068-Study #101, Principal Investigator, Sandoz, $8,620. 9/83 to 8/84.
12. A Multicenter Study of Proquazone (Biarsan, Sandoz) 150 mg and 225 mg and Placebo in the Treatment of Acute Vascular Headache of the Migraine Type, Study #125, Principle Investigator, Sandoz, $10,500. 3/84 to 5/85.
13. Canadian American Ticlopidine Study (CATS) in the Thromboembolic Stroke, Principle Investigator, Syntex, Inc., (U.S.A.), $42,000. 10/84 to 12/86.
14. A Double-Blind Multicenter Study of the Efficacy and Safety of PY 108-068 and Placebo in the Prophylactic Treatment of Migraine Headache-Study #103, Principal Investigator, Sandoz, $27,000. (12/84 to 1/87).
15. A Multicenter Efficacy Study of Cafergot P (Sandoz) vs. Cafergot (Sandoz) vs. Pentobarbital Sodium vs. Placebo in the Treatment of Acute Vascular Headache of the Migraine Type Complicated by Nervous Tension and Gastrointestinal Disturbances, Study #1, Principal Investigator, Sandoz, $12,960. 10/85 to 10/86.
16. A Randomized, 21-Day, Double-Blind, Parallel Group Multicenter Study to Compare the Efficacy and Safety of Nimodipine with that of Placebo in Patients with Acute Ischemic Stroke. Principal Investigator, G.H. Besselaar Associates, $83,945. 5/87 to 3/89.
17. A Multicenter Study of DHE45 (Dihydroergotamine Mesylate) Nasal Spray in the Treatment of Acute Migraine Headache, Study #511-02. Principal Investigator, Sandoz Research Institute, $8,800. 7/87 to 7/88.
18. A Phase III, Double-Blind, Parallel-Group, Multicenter Study to Compare Midrin and its Components with Placebo in the Treatment of Outpatients with Acute Vascular Headache of the Migraine type. Principal Investigator, G.H. Besselaar Associates, Carnrick Laboratories, $19,440. 3/88 to 1992.
19. Double-Blind Parallel Comparison of Three Doses of Topiramate (Low to Mid Range) and Placebo in Refractory Partial Epilepsy. Co-Investigator, McNeil Pharmaceutical, $126,488. 3/88 to 1992.
20. A Multicenter Study of Fiorinal with Codeine #3 (1/2 gr), Fiorinal, Codeine Phosphate (30 mg) and Placebo in Tension Headache, Study #15. Principal Investigator, Sandoz Research Institute, $12,000. 3/88 to 9/89.
21. Evaluation of a New Serotonin Agonist (GR 43175C) in the Treatment of Acute Migraine, Principle Investigator. Glaxo, Inc., $102,610. 5/88 to 6/89.
22. A Double-Blind, Placebo-Controlled Study of the Safety and Efficacy of Nimodipine in the Treatment of Acute Ischemic Brain Infarction. Miles Pharmaceutical, $106,580. 7/89.
23. A Double-Blind, Placebo-Controlled Trial of Intranasal Butophanol in the Outpatient Treatment of Acute Migraine Headache. Bristol-Myers U.S. Pharmaceutical Group, $20,213.60. 8/89 to 1992.
24. A Multicenter Evaluation of the Safety and Efficacy of Subcutaneous GR 43175C in Patients with Acute Migraine Attacks Using a Two-Dose Regimen. Glaxo, Inc. $53.852.50. 8/89 to 12/89.
25. Clopidogrel vs. Aspirin in Patients at Risk of Ischemic Events (CAPRIE). Sterling Sterling Winthrop, Principal Investigator, $91,666, 1992-1996.
26. The Efficacy and Safety of Depakote in Migraine Prophylaxis: A Double-Blind Placebo-Controlled Study. Abbott Labs, Principal Investigator, $41,400, 1992-1993.
27. A Double-Blind, Multi-Center Study to Assess the Efficacy and Safety of D.H.E. 45 (dihydroergotamine mesylate) Nasal Spray 2.0 and 3.0 mg Doses in Comparison With Placebo for the Acute Treatment of Migraine Headache. Sandoz, Principal Investigator, $12,032, 1993-1994.
28. Safety of Depakote in Migraine Prophylaxis: An Open-Label Long-Term Study. Abbott Labs, $41,400, 1993-1994.

29. Double-blind, Placebo-Controlled, Parallel Group Study to Evaluate Two Dose Levels (10 mg and 20 mg) of Intranasal Sumatriptan in the Acute Treatment of a Migraine Attack (Protocol S2B-341), $19,200, 1993-1994.
30. A North American Randomized Double-Blind Trial of BMS180048 Compared to Placebo in the Treatment of Acute Migraine Attacks, Bristol Myers Squibb. $15,417, 1994.
31. A Double-Blind Dose Response Trial of BMS18004 Compared to Placebo in the Treatment of Acute Migraine Attacks, Bristol Myers Squibb. $34,430, 1994-95.
32. Protocol for a Multi-center, Double-Blind, Randomized Placebo Controlled Study to Confirm the Efficacy and Safety of 311C90 in the Treatment of Acute Migraine Headaches, Burroughs Wellcome. $65,625, 1994-95.
33. A Double-Blind Randomized Study of Two Fixed Doses of BMS180048 and Placebo in the Treatment of Patients with Migraines, Bristol Myers Squibb. $12,000, 1995-96.
34. A Multi-Center Open Study to Investigate the Long Term Effect of Oral 311C90 in the Treatment of Migraine Headaches, Burroughs Wellcome, 1995-96, $36,000.
35. A Randomized, Double-Blind, Placebo-Controlled Crossover Study to Evaluate the Efficacy of Oral Naratriptan in the Acute Treatment of Four Migraine Attacks, Glaxo Wellcome. $7,200, 1995.
36. A Randomized, Triple-Blind, Double-Dummy, Placebo-Controlled, Parallel Groups, Outpatient Study to Examine the Safety and Efficacy of MK-462 10mg p.o. and MK-462 5mg p.o. for the Treatment of Acute Migraine and Migraine Recurrence, Merck Research Laboratories. $10,656, 1995-96.
37. Multi-Center, Randomized, Double-Blind, Parallel Trial, Comparing the Efficacy and Safety of a Single IV Dose (1.5 mg/kg) of Selfotel with Placebo in Patients age 40-85 Years with Acute Ischemic Stroke, Ciba, 1995-96, $140,000.
38. A Multi-Center, Double-Blind, Randomized, Parallel Group, Single-Dose, Placebo-Controlled Study to Evaluate the Safety and Effectiveness of Excedrin Extra-Strength in Alleviating the Headache Pain of an Acute Migraine Attack, Bristol Myers Products, 1995-96, $50,000.
39. A Double-Blind, Randomized, Placebo-Controlled Study to Determine the Effectiveness and Safety of Dihydroergotamine Mesylate Nasal Spray 2mg for Acute Treatment of Migraine Headache With or Without Aura in Migraineur Families, Sandoz Pharmaceuticals, 1995, $2,000.
40. Multi-Center, Randomized, Double-Blind, Parallel Group Trial, Comparing the Efficacy and Safety of Multiple Intravenous Bolus Injections of 5mg/kg of Selfotel with Placebo in Intubated Severe Closed Traumatic Brain Injured Patients, Ciba. Subinvestigator with Peggy J. Wisdom, MD. $145,000, 1994-97.
41. A Study to Determine the Accuracy of a Computerized Algorhythim for the Interpretation of EEG, Departmental Study. Subinvestigator with K. J. Oommen, MD, 1995, departmentally funded.
42. A Double-Blind, Placebo Controlled, Parallel Group Study to Assess the Efficacy and Safety of up to Two Doses of VML 251 in the Acute Treatment of Migraine.
43. A Double-Blind, Randomized Placebo Controlled, Multi-Center Trial to Determine the Efficacy and Safety of Neurontin (Gabapentin) in Migraine Prophylaxis.
44. A Multi-Center, Double-Blind, Randomized, Placebo Controlled, Evaluation of Zolmitriptan (311C90, Zomig) Efficacy at Early Time Points in Acute Treatment of Migraine Headaches, Efficacy in Recurrence, and Efficacy as Late Dosing for Prevention of Recurrence of Migraine Headaches.
45. Two Period Crossover Comparison of Rizatriptan (5mg p.o. and 10mg p.o.) to Sumatriptan (25mg p.o. and 50mg p.o.)
46. A Single Dose, Double-Blind, Dose Ranging, Placebo-Controlled Safety and Efficacy Study of Various Doses of Naproxen Sodium and Metoclopramide in Subjects With Acute Migraine Headaches, sponsored by Pozen, Inc. $62,500, January 1, 1998-July, 1998.
47. A Double-Blind, Parallel Group, Multinational, Multicenter Study of the Efficacy and Safety of I.V. Clomethiazole compared to Placebo in Patient With Acute Ischemic Stroke, sponsored by ASTRA, USA, Inc. $96,000, June 1, 1998 to June, 2000.
48. A Double-Blind, Parallel Group, Multinational, Multicenter Study of the Efficacy and Safety of I.V. Clomethiazole compared to Placebo in Patient With Acute Intracerebral Hemorrhage, sponsored by ASTRA, USA, Inc. $32,000, June 1, 1998 to June, 2000.
49. A Double-Blind, Parallel Group, Multinational, Multicenter Study of the Efficacy and Safety of I.V.

Clomethiazole Compared to Placebo in Patient With Acute t-PA (tissue plasminogen activator) for acute ischemic stroke, sponsored by ASTRA, USA, Inc. $32,000, June 1, 1998 to June, 2000.

50. A Double-Blind, Placebo-Controlled, Safety, Efficacy and Dose Response Trial of Two Intravenous Doses of BMS-204352 in Patient with Acute Stroke, sponsored by BMS Pharmaceutical Research Institute. $96,000, July 1, 1998 to July, 2000.
51. An International, Multi-Center, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Assess Over 3 Months the Safety, Efficacy, and Pharmacoeconomics of an 800 mg Loading Dose and Five 200 mg Maintenance Doses of GV150526 in the Treatment of Patients With a Clinical Diagnosis of Acute Stroke. $128,000, July 1, 1998 to July, 2000.
52. Single Oral Dose, Safety and Efficacy in the Treatment of Acute Migraine With or Without Aura, sponsored
by Pharmacia & Upjohn Company. $120,000 July 1 to December, 1998.
53. The Clomethiazole Acute Stroke Study in Ischemic Stroke (CLASS-I): A Double-Blind, Parallel Group,
Multinational, and Multicenter Study of the Efficacy and Safety of Intravenous Clomethiazole Compared to Placebo in Patients with Acute Ischemic Stroke. AstraZeneca Pharmaceuticals. February 1998 to October, 2000.
54. A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Parallel-Group Study of the Safety and Efficacy of Three dosages of BOTOX (Botulinum Toxin, Type A) Purified Neurotoxin Complex for the Prophylactic Treatment of Migraine Headaches. (191622-024) April 1999 to August 2000.
55. A Multicenter, Double-Blind, Randomized, Parallel Group Study of the Safety and Efficacy of BOTOX (Botulinum Toxin, Type A) Purified Neurotoxin Complex for the Prophylactic Treatment of Migraine Headaches. (191622-026) November 1999 to present.
56. A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Parallel Study to Assess the Safety and Efficacy of BOTOX (Botulinum Toxin Type A) Purified Neurotoxin Complex Injected into Bilateral Pericranial Muscles for the Prophylactic Treatment of Chronic Tension Type Headaches. (191622-027)
December 1999 to present.
57. A Multicenter, Double-Blind, Randomized, Placebo-controlled, Parallel Group Study of the Continuation of
Benefit of two dosages of BOTOX (Botulinum Toxin, Type A) Purified Neurotoxin Complex for the Prophylactic Treatment of Migraine Headaches. (191622-036) June 2000 to present.
58. A Multicenter, Double-Blind, Placebo-Controlled, Randomized Trial and an Open Label LongTerm Tolerability Trial of Zolmitriptan (Zomig) for the Acute Treatment of Migraine Headaches in Adolescent Subjects. Astra-Zeneca. April 1999 to February 2001.
59. A Multi-center Study Examining the Prevalence by Severity, Frequency and Disability of Migraine in Adult Patients Recruited in Primary Care Practitioner Waiting Rooms." (Protocol # P0002449). Pfizer. January 1, 1999 to Dec 1999.
60. Switching from Fiorinal to Oral Eletriptan (40 mg): Impact on Work Productivity, Quality of Life, Healthcare
Use, and subject Satisfaction in the Treatment of Acute Migraine. Pfizer. November 1999 to June 2000.
61. A Randomized, Double-blind, Placebo-Controlled, Parallel Group Evaluation of Oral Naratriptan 1 mg Twice
Daily as Prophylactic Treatment for Menstrually-Associated Migraine. GlaxoSmithKline. January 2000 to November 2000.
62. An Open-Label Evaluation of Oral Naratriptan 1 mg Twice Daily as Short-Term Prophylactic Treatment for Menstrually-Associated Migraine. GlaxoSmithKline. May 2000 to present. Ongoing not open to enrollment.
63. Study to Assess the Validity and Reliability of a Headache Assesment Questionnaire in Primary Care. Pfizer. Ongoing and open to enrollment (Protocol # SX080A99). Pfizer. January 2000 to June 2000.
64. A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Outpatient Study to Examine the Safety, Tolerability, and Efficacy of Montelukast 20 mg/day P.O. and Rofecoxib 25 mg/day P.O. for the Prophylaxis of Migraine Attacks. Merck. April 2000 to present.
65. Comparative Prevalence of Irritable Bowel Syndrome (IBS) and Migraine in Population Selected

for Either IBS or Migraine. Ongoing and open to enrollment.

66. Genetic Studies in Migraine Headache and Related Disorders (NIH Grant & Glaxo-Wellcome). Started in May 1999. Ongoing and open for enrollment.
67. Chronic Daily Headache: A Collaborative Study with Yale University. January 1998 to present. Ongoing and open for enrollment.
68. Validity of the IHS's Five Minute Rule for the Visual symptoms in Migraine with Aura. Ongoing and open for enrollment.
69. A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Dose-response study to evaluate the efficacy and safety of Topiramate in the Prophylaxis of migraine. The R.W. Johnson Pharmaceutical Research Institute. (TOPMAT-MIGR-002). January 2001,
70. A Multicenter, Randomized, Placebo-controlled, Double-blind, Parallel-group Trial to Evaluate the Efficacy and Tolerability of the Zolmitriptan (Zomig®) 2.5-mg Orally Disintegrating Tablet When Taken As Soon As Possible After the Onset in the Acute Treatment of Migraine Headache. (Protocol 311CUS/0014).
AstraZeneca. October 2000, Ongoing and open to enrollment.
71. A Multicenter, Randomized, Placebo-controlled, Double-blind, Parallel-group Trial to Evaluate the Efficacy
and Tolerability of the Zolmitriptan (Zomig®) 5-mg Orally Disintegrating Tablet in the AcuteTreatmentofAdultSubjectswithMigraine(Protocol311CUS/0015).AstraZeneca December2000.
72. A Multi-center, Randomized, Double-Blind, Placebo-Controlled, Single Dose, Efficacy and Safety Outpatient Study of Staccato™ Prochlorperazine for Inhalation in Patients with Migraine Headache. Alexza Phramaceuticals
Dates: 04/2006- 04/2007.
73. A Multi-Center, Randomized, Double-Blind, Placebo Controlled Study to Evaluate the Dose-Related Efficacy and safety of CAP3 in the Treatment of Acute Migraine (ESCAPE) Capnia, Inc. Dates: 04/2004- 11/2005
74. A Retrospective and Prospective Study of Effectiveness of Prophylactic Anti-Migraine Agents in the Syndrome of Chronic Daily Headache. Dates: 06/2004-Present.
75. A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Single-Attack Study to Evaluate the Onset of Efficacy of a New Formulation of Sumatriptan Tablets 50mg and 100mg in the Acute Treatment of Migraine (Protocol SUM30047). Dates: 08/2003-03/2004.
76. A Randomized, Double-blind, Parallel Group, Placebo-Controlled, Single-Attack Evaluation of the Efficacy and Tolerability of Trexima (Sumatriptan 85 mg/Naproxen Sodium 500 mg) Tablets vs. Placebo When Administered During the Mild Pain Phase of a Migraine GSK TRX101998. Dates: 08/2004-04/2005.
77. A randomized, double-blind, multi-center, placebo-controlled, cross-over study to determine the consistency of response for Trexima™ (sumatriptan 85mg/naproxen sodium 500mg) administered during the mild pain phase for the acute treatment of multiple migraine attacks (TRX 103635) GSK. Dates: 10/2005-06/2006
78. A randomized, double-blind, single migraine attack, placebo-controlled, parallel-group multicenter study to evaluate the efficacy and tolerability of Trexima™ (sumatriptan succinate/ naproxen sodium) tablets vs placebo when administered during the mild pain phase of menstrual migraine in women with dysmenorrhea GSK TRX 105852. Dates: 02/2006-12/2006.
79. A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Phase 3 Study of MAP0004 in Adult Migraineurs for a Single Migraine Followed by Open -Label Extensions to 26/52 Weeks MAP Pharmaceuticals
Dates: 01/2008-Present.
80. A Multicenter, Double-Blind, Randomized, Parallel, Placebo-Controlled Study to Examine the Efficacy of Rizatriptan 10 mg Tablet Administered Early During a Migraine Attack while the Pain is Mild Merck 066-00
Dates: 12/2004-03/2005.
81. A Multicenter, Double-Blind, Randomized, Parallel-Group, Placebo-Controlled Study to Evaluate the Efficacy and Tolerability of Rizatriptan 10 mg Tablet for the Treatment of Menstrual Migraine Merck 072. Dates: 05/2005-02/2006.
82. CAPSS-276: A Comparison of the Efficacy and Safety of Topiramate Versus Placebo for the

Prophylaxis of Chronic Migraine Ortho-McNeil. Dates: 06/2004-05/2005.

83. CAPSS-295: An Open-Label Study of the Efficacy and Safety of Topiramate for the Prophylaxis of Chronic Migraine: Extension Study to CAPSS-276 Ortho-McNeil. Dates: 06/2004-05/2005.
84. Topiramate INtervention to Prevent TRansformation of EPIsoDic Migraine: The Topiramate INTREPID Study CAPSS-381 Orto-Mcneil
Dates: 09/2005-01/2007
85. A Multicenter, Double-Blind, Randomized, Placebo-Controlled Study of Eletriptan (20 and 40 mg) versus Placebo in Early Treatment of Migraine". Pfizer Protocol A1601080. Dates: 03/2003-11/2003.
86. A Multi-Center, Randomized, Double-Blind, Placebo-Controlled Trial to Assess the Efficacy and Safety of 100mg/day and 300mg/day Lacosamide for Migraine Prophylaxis, SP906 Schwarz Biosciences. Dates: 01/2007-Present.
87. A Phase III, Double-Blind, Randomized, Placebo-Controlled, Parallel-Group, Multicenter Evaluation of Civamide (Zucapsaicin) Nasal Solution in the Treatment of EpisodicCluster Headache. Winston Labs. Dates: 11/2001-07/2003.
88. An Open-Label, Randomized, Parallel-Group, Multi-Center Study to Evaluate the Efficacy and Safety of Enoxaparin Versus Unfractionated Heparin in the Prevention of Venous Thromboembilism in Patients Following Acute Ischemic Stroke. Sanofi-Aventis. Dates: 12/2002-07/2005
89. A Double Blind, Randomized, Placebo Controlled, Parallel Group, Multicenter, Phase Iib/III Study to Assess the Efficacy and Safety of Intravenous NXY-059 in Acute Ischemic Stroke. AstraZeneca SANXY 006. Dates: 06/2003-4/2006.
90. A Double Blind, Randomized, Placebo Controlled, Parallel Group, Multicenter, Phase IIb Study to Assess the Safety and Tolerability of Intravenous NXY-059 In Adult Patients with Acute Intracerebral Hemorrhage (ICH)" Protocol# SA-NXY-0012. AstraZeneca. Dates: 01/2004-04/2006.
91. The Efficacy and Tolerability of NP101, a Sumatriptan Iontophoretic Transdermal Patch, in the Treatment of Acute Migraine: A Randomized, Double-Blind, Placebo Controlled Study" NuPathe Pharmaceuticals 11/2007-Present

92. Long Term Follow-up of Effects of Traumatic Brain Injury in Veterans Deployed to OEF/OIF. Veterans Administration Research Foundation. $25,000/year for 2 years. Awarded 9/7/2011.

93. Development of Unique Serum Biomarkers with Mass Spectroscopy for Diagnosis of Veterans with Chronic Postraumatic Headache versus Idiopathic Chronic Migraine. DOD-CDMRP AWARD NUMBER: W81XWH-16-1-0295

Grants applied for, but not funded

1. VA MERIT REVIEW GRANT: Title: The long term effect of TBI on OEF/OIF Veterans and Comparison with two controls. Resubmission 3/10/2014
2. Resubmission of Merit Review Grant 3/14/14 -: The long term effect of TBI on OEF/OIF Veterans and Comparison with two controls

3. Submit DOD Discovery Grant application 7/30/14 - Use of Serum Biomolecule Profiles to Discern Biomarkers for Post-Traumatic Headache up to 12 Years after TBI in Veterans Formerly deployed to OEF/OIF Campaigns
4. Submit pre-application for grant from Chronic Effects of Neurotrauma Consortium 8/15/14 – Use of electrospray mass spectrometry, EEG and Magnetic resonance imaging to develop biomarkers for traumatic brain injury and chronic traumatic encephalopathy

5. Submit DOD Discovery Grant Application 10/15/17 – Post-Traumatic Chronic Migraine in

OEF/OIF Veterans with comparison to military and civilian controls: Evaluation for serum Biomarkers with Mass Spectrometry. James Couch, PI. Preapplication accepted , but final grant was not approved.

Grants applied for, Notification pending

1. Phenotype identification, monitoring, and understanding of post- traumatic chronic migraine in Veterans of the Iraq and Afghanistan Wars using serum analysis. Jay Hanas – PI, James Couch Co-PI, Preapplication Submitted 6/12/18.

PUBLICATIONS

Peer Reviewed

1. Couch JR, West TC, Hoff HE: Development of the action potential of the prenatal rat heart. Circ Res 24:19-31, 1969.
2. Couch JR: Responses of neurons in the raphe nuclei to serotonin, norepinephrine and acetylcholine and their correlation with an excitatory synaptic input. Brain Research 19:137-150, 1970.
3. Guggenheim MA, Couch JR, Weinberg W: Motor dysfunction as a permanent complication of methanol ingestion: Presentation of a case with a beneficial response to L-DOPA treatment. Arch Neurol 24:550-554, 1971.
4. Couch JR, Weiss SA: Gliomatosis cerebri: Clinical course and manifestations. Neurology 24:504-511, 1974.
5. Couch JR, Ziegler DK, Hassanein, RS: Evaluation of the relationship between migraine headaches and depression. Headache 15:41-50, 1975.
6. Couch JR, Ziegler DK, Hassanein RS: Evaluation of amitriptyline in migraine prophylaxis. Trans Am Neurol Assoc 99:33-37, 1974.
7. Couch JR: The relationship between spasmodic torticollis and essential tremor. Trans Am Neurol Assoc 100:31-33, 1976.
8. Couch JR, Ziegler DK, Hassanein RS: Amitriptyline in the prophylaxis of migraine: Effectiveness and relation of anti-depressant effects. Neurology 26:121-127, 1976.
9. Couch JR, Romig DA: Histoplasma meningitis with common variable hypogammaglobulinemia. Proc IV Pan-American Cong Neurol 18:403-412, 1977.
10. Ziegler DK, Hassanein RS, Couch JR: Epidemiologic studies of headache. Proc of the Internat Migraine Symposium 1975.
11. Couch JR, Hassanein RS: Migraine and depression: Effect of amitriptyline prophylaxis. Trans Am Neurol Assoc 101:234-237, 1976.
12. Couch JR: Action of LSD on raphe neurons and effect on presumed serotoninergic raphe synapses. Brain Res 110:417-425, 1976.
13. Couch JR: Further evidence for a possible excitatory serotoninergic synapse on raphe neurons of pons and lower midbrain. Life Sciences 19:761-768, 1976.
14. Couch JR, Hassanein RS: Platelet aggregation, stroke and transient ischemic attack in middle-aged and elderly patients. Neurology 26:888-895, 1976.
15. Ziegler DK, Hassanein RS, Couch JR: Characteristics of life headache histories in a non-clinic population. Neurology 27:265-269, 1977.
16. Couch JR, Abdou NI, Sagawa A: Histoplasma meningitis with hyperactive suppressor T cells in cerebrospinal fluid. Neurology 28:119-123, 1978.
17. Couch JR, Hassanein RS: Platelet hyperaggregability in multiple sclerosis. Trans of the Am Neurol Association 1977.
18. Couch JR, Hassanein RS: Platelet hyperaggregability in migraine. Neurology 27:843-848, 1977.
19. Seyal M, Ziegler DK, Couch JR: Recurrent Guillain-Barre Syndrome following influenza vaccine.

Neurology 28:725-726, 1978.
20. Freeman JW, Couch JR: Prolonged encephalopathy with arsenic poison. Neurology 28:853-855, 1978.
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Disorder. 10th Congress of IHS, June 29/July 2, 2001. Cephalalgia 2001;21;4:262.
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91. Couch JR. Lack of complete resolution with recumbency and late response to epidural blood patch in spontaneous intracranial hypotension. Headache 2011;51:19
91. Couch JR, Stewart KS, Wisdom,P. Presence of Post-concussion Syndrome Symptoms (PCSS) in OEF/OIF Veterans at 1-4 and 5-8 Years after Traumatic Brain Injury in Combat (C-TBI) and the Effect of Prior Non-Combat TBI (NC-TBI) on These Symptoms. Presented at the 64th meeting of American Academy of Neurology, New Orleans, April, 2012
92. Couch JR, Stewart KS, Wisdom P. Persistence of symptoms of Post-Concussion Syndrome (PCSS) for up to 8 years in Veterans of OEF/OIF campaigns of the war in Iraq and Afghanistan. Headache 2012;52:907

93. Couch JR, Stewart KS, Wisdom P. The Relation of Headache and Depression in Veterans Suffering Traumatic Brain Injury (TBI) in the OEF/OIF Campaigns in the Afghanistan and Iraq Wars. Headache 2012;52:907-894.

94. Couch JR, Stewart KE, Wisdom P. Comparison of the Post-Concussion Syndrome (PCS) in OEF/OIF Veterans with Traumatic Brain Injury (TBI) due to blast injury (BI), direct head trauma (DHT), or both for up to 8 years after TBI. Ann. Neurol. 2013; 74(Suppl 17):S34 Presented at the Annual Meeting of the American Neurological Association,New Orleans, LA, October 15,2013

95. Couch JR, Stewart, KE. Comparison of headache (HA) in Veterans of OEF/OIF with Traumatic Brain injury against Controls Matched for Age, Sex , Race, and Deployment . Presented at the 66th Annual Meeting of the American Academy of Neurology, April 22 and 25, 2014.

96. Couch JR, Stewart KE. Comparison of headache in veterans who were deployed to combat zones and +did or did not suffer a deployment-related Traumatic Brain Injury (DTBI). Presented at the 55th annual meeting of the American Headache Society, June 27, 2014.

97. Couch JR, Stewart KE, Comparison of headache in Veterans who were deployed to combat zones and did or did not suffer a deployment-related traumatic brain injury. Presented at the Meeting of the World Congress on Neurotherapeutics: Dilemmas, Discussions and Debates. Basel, Switzerland, September 2014

98. Couch JR, Stewart KE. Comparison of headache , cognitive dysfunction and dizziness in soldiers Suffering from mild traumatic brain injury (TBI) and matched controls.
Annals of Neurology 2014;76 (suppl 18):S102

99. Couch JR, Stewart K. Effect of Traumatic Brain Injury (TBI) AND Post-Injury Headache on Employment and Marital Status of Veterans of Iraq and Afghanistan Wars and Comparison to Deployed Controls without TBI. Headache 2015; 55 (S-3):134.

100. Couch JR, Stewart K. Definition and Comparison of the “Headache Problem” in Veterans of the Iraq (OIF) and Afghanistan (OEF) Wars with and without Traumatic Brain Injury Using Parameters of Headache Frequency and Intensity. Presented at the 65th annual Meeting of the American Academy of Neurology, April 20, 2015.

101. Couch JR, Stewart K. Effect of Traumatic Brain Injury (TBI) AND Post-Injury Headache on Employment and Marital Status of Veterans of Iraq and Afghanistan Wars and Comparison to Deployed Controls without TBI. Headache 2015; 55 (S-3):134

102. Couch JR, Stewart KE, Traumatic Brain Injury (TBI) During Deployment to a Combat Zone Results in Long term Chronic Headache. Presented at the International Brain Injury Society meeting , New Orleans, March 2017

103, Couch JR, Stewart KE, Migraine with Aura (MA) is the most common phenotype for Post-Traumatic Headache (PTH). Presented at the 67th Annual Meeting of the American Academy of Neurology AAN meeting, Boston, 4/23/17

104. Couch JR, Stewart KE. Headache severity in Veterans Deployed to Afghanistan or Iraq wars at 2-11 years after Traumatic Brain Injury. Headache 2017; 57(Suppl 3):211-12. (Presented at American Headache Society Meeting, Boston, 6/9/2017)

105. Couch, JR, Stewart KE: Post-Traumatic Stress Disorder and Depression in relation to the Different Phenotypes of Post-Traumatic Headache and comparison with matched controls. Cephalalgia 2017;37(Suppl. 1):154. (Presented at International Headache Congress, Vancouver, Canada. September 2017).

106. Couch JR, Hocker MS, Hanas JS. Evaluation of Post-traumatic (PT) Chronic Migraine (CM) in Veterans of OEF/OIF Campaigns Using Serum Mass Profiling to Distinguish CM from other Post-Traumatic Headaches by Identification of Peptide Changes in Serum. Presented at the 68th annual meeting of the American Academy of Neurology April 24. 2018

107. Couch JR, Stewart KE, Davis A, Seraphim C, Apple B. The relation of PTSD and Severe Depression to Post-Traumatic Chronic Migraine in Veterans of Afghanistan and Iraq Wars. Presented at the 60th Annual Scientific Meeting of the American Headache Society 6/30/2018

108. Couch JR, Apple B, Stewart KE. Severity of Post-traumatic Headache in Relation to Severity of TBI, PTSD, and Severe Depression in Veterans of Recent Wars. Presented at the 69th annual meeting of the American Academy of Neurology, May 9, 2019. (Philadelphia)

109. Couch JR, Apple B, Stewart KE. Post-Traumatic headache is Highly Persistent after TBI in veterans. Headache 2019;59 (Supplement 1): 137-138. (Presented at the 61st Annual Scientific Meeting of the American Headache Society, July 13,2019. Philadelphia)

110. Couch JR, Apple B, Stewart KE. The relation of Headache Frequency and Cognitive Status in Veterans of Iraq and Afghanistan) wars who have had a Deployment-Related TBI (DTBI).Presented at the 62nd Annual Meeting of the American Academy of Neurology, May, 2020 (Virtual meeting related to the COVID-2 Pandemic)

111. Couch JR, Apple B, Stewart KE. Measuring Headache impact: Combining pain and disability scores to provide a single measure of overall headache severity and frequency. Headache 2020; 60 (Suppl. 1):43-44.

112. Couch JR, Apple BS, Stewart KE. Lack of effect of TBI-Related Factors on Headache Occurrence in Veterans 2-15 Years after Deployment-Related TBI. Presented at the Scientific Meeting of the American Headache Society June3-6, 2021

113. Couch JR, Stewart K. Definition and Comparison of the "Headache Problem" in Veterans of the Iraq (OIF) and Afghanistan Wars with and without Traumatic Brain Injury using the parameters of headache frequency and intensity. Headache 2021;61 (Suppl S1):29

114. Couch JR, Stewart KE. Relation of Severe Depression and PTSD to Post-traumatic Chronic Migraine in Veterans of Afghanistan and Iraq Wars. Presented at the 64th Annual Scientific Meeting of the American Headache Society, June, 2022.

115. Couch JR, Apple B. Stewart KE. Employment in Veterans of Afghanistan (OEF) and Iraq (OIF) Wars: Relation of Headache, PTSD and Depression to Employment Status. Presented at the 65th Annual Scientific Meeting of the American Headache Society, June 16, 2023

116. Couch JR, Stewart KE. Headache Associated Visual Phenomena are more common in Veterans of Iraq and Afghanistan Wars who have experienced a deployment –related Traumatic Brain Injury with Post-Traumatic Headache. Presented at the 66th annual Scientific Meeting of the American Headache Society June 14, 2024.

Commentary

PRESENTATIONS

Local and Regional

Kansas

"Diagnosis and Treatment of Parkinson's Disease" presented at Family Practice
What Every Family Physician Should Know About ...., University of Kansas Medical Center, Kansas City, KS. April 1976.
"Treatment of Parkinson's Disease presented at Recent Therapeutic Advances in Neurological Disease, University of Kansas Medical Center, Kansas City, KS. February 1977.
"Prophylaxis of TIA and Stroke" presented at Neurology: Stroke, Seizures, Syncope--Difficult Questions of Diagnosis and Treatment, University of Kansas Medical Center, Kansas City, KS. February 1978.

Southern Illinois University

"Neuropathy" presentation at Neurology Symposium sponsored by SIU School of Medicine, Western Illinois Regional Health Education Center (RHEC), Quincy, IL. September 1980.
"Physiology of Seizures" presented at Neurology Symposium sponsored by SIU School of Medicine, Western Illinois Regional Health Center (RHEC). Quincy, IL. September 1980.
"Seizures" presented at The Seventh Annual Internal Medicine Symposium: Advances in Internal Medicine: Early Diagnosis and Treatment, sponsored by SIU School of Medicine, Springfield, IL. February 20, 1981.
"Seizure" presented at Neurology Symposium sponsored by SIU School of Medicine at Pittsfield, IL. March 26, 1981.
"Headache" presented at Neurology Symposium sponsored by SIU School of Medicine, Pittsfield, IL. March 26, 1981.
"Multiple Sclerosis" presented at New Developments in Neurology and Otology, sponsored by SIU School of Medicine, Springfield, IL. May 30, 1981.
"Classification of Stroke" presented at Stroke Symposium sponsored by SIU School of Medicine, Division of Neurology in Nashville, IL. September 23, 1981.
"Management of Chronic Stroke" presented at Stroke Symposium sponsored by SIU School of Medicine, Division of
Neurology in Nashville, IL. September 23, 1981.
"Seizures" presented at Neurology Symposium sponsored by SIU School of Medicine, Division of Neurology in Robinson, IL. December 3, 1981.
"Headache" presented at Neurology Symposium sponsored by SIU School of Medicine, Division of Neurology in Robinson, IL. December 3, 1981.

"Headache" presented at Neurology Symposium sponsored by SIU School of Medicine, Division of Neurology in Pickneyville, IL. March 1982.
"Epidemiology and Risk Factors in Stroke" presented at Stroke Symposium sponsored by SIU School of Medicine, Division of Neurology, Springfield, IL. March 10, 1983.
"Pregnancy and Epilepsy" presented at Seizure Symposium sponsored by
SIU School of Medicine, Springfield, IL. March 16, 1984.
"Metabolic Headache" presented at the 1985 Post-Graduate Course: Headache: Theory, Diagnosis, Psychological Aspects and Therapy in Scottsdale, AZ. Sponsored by AASH, National Migraine Foundation, SIU School of Medicine, Cleveland Clinic Foundation, Scripps Clinic & Research Foundation, February, 1985.
"Headache in the Office Setting--Diagnosis and Therapy" presented at the
Spring Symposium 1985: Neurologic Disorders in Clinical Practice, sponsored by Freeman Hospital CME Committee and the Department of Internal Medicine and Family Practice in Joplin, MO. March 1985.
"Headache: New Vistas and Old Therapies" presented at the Third Annual Neurology Symposium: Update in Neurology, sponsored by SIU School of Medicine, Springfield, IL. March 1985."Calcium Channel Blockers: New Horizons in Stroke and Migraine Management" presented at the Eleventh Annual Medicine Symposium: New Treatment Modalities in Internal Medicine, sponsored by SIU School of Medicine, Springfield, IL. May 1985.
"Laboratory Diagnosis of Dementia" presented at the Fourth Annual Neurology Symposium, SIU School of Medicine, Springfield, IL. March 1986.
"Calcium Channel Blockers: New Horizons in Stroke and Migraine Management" presented at Abraham Lincoln Memorial Hospital, Lincoln, IL. May 1986.
"Vascular Headaches" presented at The Annual Meeting of the Iowa Academy of Family Physicians, Des Moines, IA. October 30, 1986.
"Parkinson's Disease and Its Variants" presented at Conference on Parkinson's Disease and Movement Disorders, Litchfield, IL, September 11, 1986; Effingham, IL, November 18, 1986; Jacksonville, IL, February 12, 1986; Lincoln, IL, April 16, 1986.
"Medical Causes and Complications of Epilepsy" presented at the 5th Annual Neurology Symposium, SIUSM, Springfield, IL. March 20, 1987.
"Management of Acute Stroke" presented at The Illinois Academy of Family Physicians Medicine for Today Postgraduate Program, Springfield, IL. October 15, 1987.
"Laboratory Investigations in Epilepsy," "Management of Status Epilepticus," and
"Discussion and Case Presentations," Course: Current Approaches to the Diagnosis & Treatment of Epilepsy, Lincoln, IL, November 12, 1987; Litchfield, IL, Dec. 17, 1987; and Mattoon, IL, Nov. 18, 1987.
"Seizures" Medicine Noon Conference, Memorial Medical Center, SIU School of Medicine, Springfield, IL. August 19, 1987.
"Status Epilepticus" presented at the 6th Annual Neurology Symposium: New Insights on Epilepsy. SIUSM, Springfield, IL. March 18, 1988.
"A Common Sense Approach to Headache Patients," presented at the 15th Annual Internal Medicine Symposium. SIU School of Medicine, Springfield, IL. February 23, 1989.
"Current Concepts of Etiology and Management of Headache," presented at the Seventh Annual Neurology Symposium; Pediatric and Adult Neurology Update. SIU School of Medicine, Springfield, IL. March 17, 1989.
"Migraine: Current Concepts in Pathophysiology, Diagnosis, and Management," presented at Gunderson Clinic - Lutheran Hospital Lacrosse, WI. September, 14, 1989.
"Migraine - Current Concepts in Therapy" presented at the University of Illinois College of Medicine, Peoria, IL. August 24, 1990.
"Epidemiology of Headache" and "Headache Therapy" presented at Kansas City Lutheran Hospital, Kansas City, MO, May 1991.
"Update on Headache" presented at Annual Meeting and Symposia of Kentucky Academy of Family Physicians, Owensboro, KY. August 1990.
"New Concepts in Headache" presented at Annual Meeting of Missouri Academy of Family Physicians. June 23, 1991.
"Update on Stroke" presented at the 8th Annual Neurology Symposium, March 16, 1990.
"Update on Headache" presented at the 9th Annual Neurology Symposium: Neuroimmunology, Neurorehabilitation, Use of Botulinum Toxin, Febrile Seizures, and Migraine. March 15, 1991.

"Update on Headache" presented at Rogers, Arkansas on April 16, 1998.

University of Oklahoma Health Sciences Center

"Neurorehabilitation Past, Present and Future at OUHSC" presented at the Rehabilitation Sciences Rounds on December 9, 1993 at OUHSC, Oklahoma City.
"Update on Migraine Headaches" presented at the OBGYN Grand Rounds on February 15, 1994 at OUHSC, Oklahoma City.
"Migraine: Classic, Common, and Age Related Changes" presented at the OMRF Science Forum on April 14, 1994, Oklahoma City.
"Etiology and Epidemiology of Migraine" presented at the OCNS NeuroScience Neuro-Hour Journal Club in Oklahoma City, OK on November 10, 1994.
"Diagnosis and Treatment of Migraine Headache" presented at the Internal Medicine Grand Rounds in Oklahoma City, OK on December 2, 1994.
"Headaches 1995" presented at the Physician Associate Clinical Medicine Course in Oklahoma City, OK on February 7, 1995.
"Headache 1995" presented at Comanche County Memorial Hospital on March 21, 1995, Lawton, OK
"Migraine and Treatment of Migraine" presented at Cleveland County Medical Society on April 18, 1995 in Norman, OK
"Update on Migraine Headaches" presented at the Medicine Grand Rounds on June 7, 1995 at OUHSC, Oklahoma City.
"Brainstem Injury: The Impact on Neural Links" presented at the Neuroscience Workshop Services at Presbyterian Hospital, Oklahoma City, OK on July 25, 1995."New Discoveries in the Treatment of Headaches" presented at the Neuroscience Workshop Series at Presbyterian Hospital, Oklahoma City, OK on July 25, 1995.
"Cluster Headache" presented at the 23rd Annual Irwin Brown Memorial Oklahoma Physician's Retreat in Copper Mountain, CO on December 29, 1995.
"Stroke Update" presented at the 23rd Annual Irwin Brown Memorial Oklahoma Physician's Winter Retreat in Copper Mountain, CO on December 31, 1995.
"Migraine Treatment" presented at the News About Migraine seminar at Presbyterian Hospital, Oklahoma City, OK on January 30, 1996.
"Update on Migraine" presented at the Lawton Medical Society at Reynolds Army Hospital, Lawton, OK on February 22, 1996.
"Headache" presented to the first year PA students at Oklahoma City, OK on February 29, 1996.
"Cluster Headache" presented at the Update in Neurology - 1996 CME seminar at Oklahoma City, OK on March 8, 1996.
"Vascular Headaches" presented at the Emergency Medicine Grand Rounds at OUHSC Oklahoma City, OK on November 21, 1996.
"New Approaches to Migraine Therapy, Chronic Daily Headache, and Status Migrainous" presented at the Update in Neurology - 1997 CME seminar at Oklahoma City, OK on March 7, 1997.
"TIAs" presented at the General Staff Meeting of Deaconess Hospital, Oklahoma City, OK, October 20, 1997
"Headache" presented to the first year PA students at Oklahoma City, OK on January 23, 1998
"Headaches: When To Be Worried" presented at the Primary Care Update, Oklahoma City, April 7, 1998.
"Headaches: When to be Worried" presented at Concepts in Therapy for Primary Care, Oklahoma City, May 17, 1998
Faculty, “Treatment of Migraine”, Shawnee, OK, October 13, 1998
“Update in Migraine Therapy” presented at Integris Hospital CME, Oklahoma City, OK January 18, 2000
“Headache” Presented to 1st year PA students yearly 1999-2007
“Prophylactic Therapy of Migraine: Old Drugs and New Ideas” . Update in Neurology 2007, presented by the Department of Neurology OUMS.

National and International

1. Couch JR, Salmiraghi GC: The response of neurons in the pons and lower midbrain to norepinephrine and serotonin. Presented at the meeting of Federation of American Societies for Experimental Biology, Atlantic City, NJ. April 1979.
2. Couch JR, Weiss SA: Gliomatosis cerebri: Clinical course and manifestations. Presented at The 25th Annual Meeting of the American Academy of Neurology. Boston,MA. April 1973.
3. Couch JR, Ziegler DK, Hassanein RS: Evaluation of amitriptyline in migraine prophylaxis. Presented at The 99th Annual Meeting of the American Neurologic Association. Boston, MA. June 1974.
4. Couch JR, Ziegler DK, Hassanein RS: The relationship of migraine headache and depression. Presented at The 16th Annual Meeting of the American Association for the Study of Headache, Chicago, IL. June 1974.
5 Couch JR: Blockade of an excitatory serotoninergic synapse by LSD. Presented at the Fall Meeting of the American Society for Pharmacology and Experimental Therapeutics, Montreal, CN.
6. Couch JR: The relationship of platelet aggregation to stroke in young and old patients. Presented at the 27th Annual Meeting of the American Academy of Neurology, Miami, FL, April 1975.
7. Couch JR: Dystonia and tremor in spasmodic torticollis. Presented at The 2nd Conference on Dystonia, New York, NY. June 1975.
8. Couch JR, Romig DA: Histoplasma meningitis with hypogammaglobulinemia. Presented at The IV Pan American Congress of Neurology. Mexico City, MX. October 1975.
9. Couch JR, Hassanein RS: Hyperaggregability of platelets in migraine patients. Presented at The 28th Annual Meeting of the American Academy of Neurology, Toronto, CN. April 1976.
10. Couch JR, Black P: Raphe nuclei and locus coeruleus projections to forebrain in rat. Presented at The 6th Annual Meeting of Neuroscience Society, Toronto, CN. November 1976.
11. Couch JR, Hassanein RS: Platelet hyperaggregability as a risk factor in stroke. Presented at The 49th Scientific Sessions of American Heart Association, Miami, FL. November 1976.
12. Couch JR, Sagawa Abdou NI: Compartmental dysfunction of suppressor T Cells: Possible pathogenesis in histoplasma meningitis with hypogammaglobulinemia and energy. Presented at the meeting of The Central Society of American College of Physicians, Kansas City, KS. February 18, 1976.
13. Couch JR, Hassanein RS: Platelet hyperaggregability in multiple sclerosis. Presented at The 102nd Meeting of the American Neurology Association, Chicago, IL. June 1977.
14. Couch JR, Goldstein GD: Projections of locus coeruleus and raphe nuclei to neostriatum. Presented at The
7th Annual Meeting of the Society of Neuroscience, Anaheim, CA. November 1977.
15. Couch JR: Action of LSD on raphe neurons and effect on presumed serotoninergic raphe synapses. Presented at The satellite symposium of the 7th Annual Meeting for Society for Neuroscience, Anaheim, CA. 1977.
16. Couch JR, Hassanein RS: Age-related changes in platelet aggregability. Presented at The 3rd Joint Meeting on Stroke and Cerebral Circulation, New Orleans, LA. February 1978.
17. Couch JR, Hassanein RS: Platelet aggregation (PA) in thrombotic stroke (TS) and transient ischemic Attack(TIA). Presented at The 21st Annual Meeting for the American Academy of Neurology, Chicago, IL. 1979.
18. Couch JR, Hassanein RS, Ziegler DK: Association of neurologic symptoms of migraine and depression.Presented at The Annual Meeting for the Study of Headache, Boston, MA. June 1979.
19. Zimmerman E. Couch JR: (Discussant) Peptide neuromodulation: Clinical implications. Presented at The
9th International Symposium of the Fulton Society, St. Louis, MO. October 3, 1979.
20. Ziegler DK, Couch JR, Kodanaz, Hassanein RS: Association of headache pattern with quantitated environmental stress. Presented at The American Pain Society Meeting, San Diego, CA. September 1979.
21. Couch JR, Hassanein RS: Recurrent severe headache (RSHA) as an indicator of increased risk for atherosclerosis-related diseases. Presented at The Amer. Academy of Neurology, Toronto,

CN. April 1981.

22. Good DC, Couch JR, Wacaser L: Astereognosis and proprioceptive loss in the hands as an indicator of high cervical myelopathy. Presented at The American Academy of Neurology, Toronto, CN. April 1981.
23. Couch JR, Folkers K: Long term use of coenzyme Q in Limb-Girdle muscular dystrophy. Presented at The 3rd International Symposium on the Biomedical and Clinical of Coenzyme Q, Austin, TX. January 20, 1981.
24. Couch JR, Diamond S: Status Migrainous: Causative and therapeutic aspects. Presented as part of The American Academy of Neurology, Headache Course, Washington, D. C. June 1982.
25. Couch JR: Drug therapy of headache. Presented at The 8th Annual AASH Winter Headache Course, Scottsdale, AZ. January 1983.
26. Couch JR, Hassanein RS: Depression enhances occurrence of neurologic symptoms in migraine. Presented as part of the American Academy of Neurology Meeting, San Diego, CA. April 1983.
27. Couch JR: Pharmacology of drugs used for prophylaxis. The 9th Annual AASH Winter Headache Course, Scottsdale, AZ. February 1984.
28. Couch JR: Clinical Pharmacology and Usage of Drugs for Headache. The 10th Annual AASH Winter Headache Course, Scottsdale, AZ. February 1985.
29. Couch JR: Metabolic Headache. The 10th Annual AASH Winter Headache Course, Scottsdale, AZ. February 1985.
30. Couch JR, Bearss C, Verhulst S: Depression as a factor in occurrence of migraine, presented at The 37th Annual Meeting of the American Academy of Neurology, Dallas, TX. April 28-May 4, 1985.
31. Couch JR, Verhulst S, Bearss C: Importance of Maternal Heredity in the Etiology of Migraine, presented at The 38th Annual Meeting of the American Academy of Neurology, New Orleans, LA. April-May 1986.
32. Couch JR, Verhulst S, Bearss C: Importance of Maternal Heredity in the Etiology of Migraine, presented at The 38th Annual Meeting of the American Academy of Neurology, New Orleans, LA. April-May 1986.
33. Couch JR, Verhulst S, Bearss C: Preponderance of Maternal As Opposed to Paternal Factors Influencing Migraine Heredity, Presented at The 38th Annual Meeting of the American Academy of Neurology, New Orleans, LA. April-May 1986.
34. Couch JR, Bearss CM, Verhulst S: Head injury intensified migraine, presented at The 28th Annual Scientific Meeting of the American Association for the Study of Headache. Chicago, IL June 1986.
35. Couch JR: Placebo Effects in Migraine, International Headache Symposium, London, England. October 1986.
36. Couch JR, Bearss CM, Verhulst S: The long-term effect of placebo on migraine, presented at The 39th Annual Meeting of the American Academy of Neurology, New York, NY. April 1987.
37. Couch JR, Bearss CM, Verhulst S: Fenoprofen in migraine prophylaxis, presented at the 29th Annual Meeting of the American Association for the Study of Headache, Quebec City, Quebec, CN. June 1987.
38. Couch JR, Bearss CM: Relief of migraine headache with sexual orgasm, presented at the 29th Annual Meeting of the American Association for the Study of Headache, Quebec City, Quebec, CN. June 1987.39.
39. Couch JR, Bearss CM: Alcohol associated and precipitated headache in migraine and non-migraine subjects, presented at the 40th Annual Meeting of the American Academy of Neurology, Cincinnati, OH April 1988.
40. Couch JR, Bearss CM, Verhulst SJ: Effect of parental occurrence of recurrent severe headache on siblings of migraineurs, presented at the 30th Annual Meeting of the American Association for the Study of Headache, San Francisco, CA. June 1988.
41. Couch JR, Bearss CM, Verhulst SJ: Could there be a predilection for migraine headache in the female population? Presented at the 7th Migraine Trust International Symposium, London, ENG. September 1988.
42. "Headache and AIDS, E-B Virus Lyme Disease, and Other Illnesses," presented at the 14th Annual Post-Graduate Course of the American Association for the Study of Headache entitled,

"Headache: Changing Perspectives and Controversies." Coordinated workshop: "Challenges in the Treatment of Cluster Headache." Scottsdale, AZ. January 1989.

43. "Lack of Differentiation Between Classic and Common Migraine by Clinical Symptomatology." presented at the 31st Annual Scientific Meeting of the American Association for the Study of Headache in Boston, MA. June 1989.
44. "Dihydroergotamine Nasal Spray in the Acute Treatment of Migraine Headache," presented at the 31st Annual Scientific Meeting of the American Association for the Study of Headache in Boston, MA. June 1989.
45. "Hormones and Headache." A Case Management Workshop presented at the 15th Annual Course of the AASH entitled "Headache: Changing Perspectives and Controversies" in Scottsdale, AZ. February 1990.
46. "Is There a Difference Between Common and Classic Migraine?" Poster session at The American Academy of Neurology Annual Meeting in Miami Beach, FL. May 1990.
47. "Possible Sub-divisions within the Migraine Syndrome," poster session at the 8th Migraine Trust International Symposium in London, ENG. September 1990.
48. "Sumatriptan effective in therapy of acute migraine as demonstrated by four-point pain and disability scales," presented at the Annual Meeting of American Academy of Neurology, Boston, MA. April 26, 1991.
49. Treatment of Idiopathic Status Migrainous (ISM) and Habituation Withdrawal Headache (HWHA) with Tricyclic Antidepressants (TCA), 34th Annual Scientific Meeting, The American Association for the Study of Headache, June 26-28, 1992, Toronto, Canada.
50. "Pharmacological Treatment of Refractory Headache in Outpatients," presented at the Annual Meeting of
American Association for the Study of Headache, Scottsdale, AZ, January, 1993.
51. "Are Visual Phenomena and Pain in Migraine Related to Independent Generators?" presented at the Annual Meeting of American Academy of Neurology, New York, April 25, 1993.
52. "Use of Steroids With Either Verapamil or Methysergide for Control of Cluster Headache" presented at the 35th Annual Scientific Meeting of AASH, San Francisco, CA, June 25, 1993.
53. "Post-Concussion (Post Trauma) Headache" presented at the Howard M. Cohenour Medical Education Symposium, Hillcrest Medical Center, Tulsa, OK, October 29, 1993
54. "Cluster Headache" presented at the Irvin Brown Symposium, Colorado, December 29, 1993.
55. Couch JR, Bearss CM: "Factors Related to Chronic Daily Headache (CDH) in Women" presented at the Annual Meeting of the AAN, Washington, DC, May, 1994.
56. "Chronic Daily Headache in the Post-Head Injury Syndrome (PHIS) presented at the 36th Annual Scientific Meeting of AASH, Chicago, IL, June, 1994.
57. "Migraine Headache in the Adult Patient" presented at the Fall Ashland: Neurology in Primary Care Conference, Ashland, OR, August, 1994.
58. "Post-traumatic Headache" presented at the Irvin Brown Symposium, Colorado, December 29, 1994.
59. Couch JR, Medders D: The Timing of Hemiparesis (HP) and Hemisensory Loss (HSL) in Relation to Onset of Migraine presented at the Annual Meeting of the AAN, Seattle, WA, May, 1995.
60. Couch JR, Saper J, Meloche J: Treatment of Acute Migraine With BMS180048, A 5HT-1 Receptor Agonist at the Annual Meeting of the AASH, Boston, MA, June, 1995.
61. Couch JR, Saper J, Meloche J: Response of Migraine to BMS180048 and Relapse After Response at the 7th International Headache Congress, Toronto, Canada, September, 1995.
62. Couch JR: Evaluate Timing of Occurrence of Migraine-Associate Cortical Symptoms in Relation to Onset of Headache at the Oklahoma Center for Neurosciences meeting in Oklahoma City, OK, October, 1995.
63. Couch JR: Cluster Headaches Presented at the 23rd Annual Irvin Brown Memorial Oklahoma Physician's Winter Retreat, Copper Mountain, CO, December 29, 1995.
64. Couch JR: Stroke Update Presented at the 23rd Annual Irvin Brown Memorial Oklahoma Physician's Winter Retreat, Copper Mountain, CO, December 31, 1995.
65. Couch JR, Medders D: Comparison of Factors Related to Chronic Daily Headache (CDH) in Males and Females - Lack of Sex Differences at the Annual Meeting of the AAN, San Francisco, CA, March, 1996.

66. Couch JR: Effect of Menopause on Chronic Daily Headache and Intermittent Migraine at the 38th Annual Scientific Meeting of the AASH, San Diego, CA, May 31/June 2, 1996
67. Couch JR: Comparison of Migraine in Subjects with Visual Aura of 〈5 and 〉5 Minutes Duration: Is the 5 minute Rule Physiologic? at the 50th Annual Meeting of the AAN, Minneapolis, April, 1998.
68. Couch JR: Chronic Daily Headache (CDH) as a Result of Head Injury (HI) and Comparison to CDH of Idiopathic Origin at the 40th Annual Meeting of the AASH, San Francisco, CA, June, 1998.
69. Couch JR: The Chronic Daily Headache (CDH) With Tension and Migraine Features: A Final Common Pathyway of Headache at the 51st Annual Meeting of the AAN, April, 1999.
70. Couch JR: Mood Change as a Component of the Migraine Syndrome at the 41st Annual Scientific Meeting of AASH, June, 1999.
71. Couch JR: Lack of Influence of Menopause and of Hormone therapy on Conversion of Intermittent Migraine (IM) to Chronic Daily Headache (CDH) at the 52nd Annual Meeting of the AAN, May, 2000 San Diego, CA.
72. Couch JR: Can Head Injury by Itself Produce the Syndrome of Chronic Daily Headache (CDH), 42nd Annual Scientific Meeting of AHS, June 2000.
73. Couch JR: Diarrhea and osmophobia are Major Symptoms of Migraine at the 53rd Annual Meeting of the AAN, May, 2001, Philadelphia, PA.
74. Couch JR: New Subdivisions in the Migraine Syndrome at the 44th Annual Scientific Meeting of AHS, June 2002.
75. Couch JR: Effect of Surgical or Natural Menopause on Onset of Chronic Daily Headache with Migraine and Tension Features at the 44th Annual Scientific Meeting of AHS, June 2002.
76. Couch JR: John Graham Senior Clinicians Award Lecture – Migraine-A “Matrix” Disorder at the 44th Annual Scientific Meeting of AHS, June 2002.
77. Couch, J, Taylor K, Hilliard, B. Migraine in the primary care population: prevalence, severity and disability. Presented a the 45th Annual Scientific Meeting of the AHS, Chicago, IL, June 19-22, 2003.
78. Couch, J, Young W, Kaniecki, R. Can you diagnose me? Case-Based Learning with Real Patients. AHS 2005 Scottsdale Headache Symposium, November 18-22, 2005.
79. Mathew N, Saper J, Couch J. All Things Considered: Pick the Brains of our Past Presidents. AHS 2005 Scottsdale Headache Symposium, November 18-22, 2005.
80. Couch J. Spontaneous intracranial Hypotensive Headache. AHS Scottsdale Headache Symposium, November ___, 2006
81. Couch J. All Things Considered: Pick the Brains of our Past Presidents. AHS 2006 Scottsdale Headache Symposium, November ____, 2006.
82. Couch J. All Things Considered: Pick the Brains of our Past Presidents. AHS 2007 Scottsdale Headache Symposium, November 9-11, 2007.
83. Couch JR, Stewart KE. Stability of the symptomatology of chronic daily headache from youth to >60 years of age. Presented at the 50th annual meeting of the American Headache Society, Boston , June 2008
84. Couch JR, Marshall L. Methadone therapy for management of intractable medication overuse headache (MOH) due to narcotics. Presented and the 14th Congress of the International Headache Society, Philadelphia, September, 2009
85. Presence of Post-concussion Syndrome Symptoms (PCSS) in OEF/OIF Veterans at 1-4 and 5-8 Years after Traumatic Brain Injury in Combat (C-TBI) and the Effect of Prior Non-Combat TBI (NC-TBI) on These Symptoms. Presented at the 64th meeting of American Academy of Neurology, New Orleans, April, 2012
86. Couch JR, Stewart KS, Wisdom P. Persistence of symptoms of Post-Concussion Syndrome (PCSS) for up to 8 years in Veterans of OEF/OIF campaigns of the war in Iraq and Afghanistan. Presented at the 54th meeting of the American Headache Society, Los Angeles, June 2012.
87. CouchJR, Stewart KS, Wisdom P. The Relation of Headache and Depression in Veterans Suffering Traumatic Brain Injury (TBI) in the OEF/OIF Campaigns in the Afghanistan and Iraq Wars. Presented at the 54th meeting of the American Headache Society, Los Angeles , 2012.
88 Couch JR, Longer term follow-up of the Post-concussion syndrome in military and civilian

subjects. Presented at the Annual Meeting of the American Neurological Association,New Orleans, LA, October 15,2013

89. Abstract and Poster presented at the Meeting of American Academy of Neurology, Philadelphia, April, 2014 - Comparison of the Post-Concussion Syndrome (PCS) over Time Produced by Blast Injury (BI) and Direct Head Trauma (DHT) in Veterans of OEF/OIF Campaigns". Abstract and Poster presented at the Meeting of American Academy of Neurology, Philadelphia, April, 2014

90. Abstract and Platform presentation at the Meeting of the American Headache Society, Los Angeles, June, 2015: Comparison of headaches in veterans deployed to combat zones with or without a head injury.

91. Couch JR, Stewart K. Comparison of headache in Veterans who were deployed to combat zones and did or did not suffer a deployment-related traumatic brain injury. Abstract and Poster presentation at the Meeting of the World Congress on Neurotherapeutics: Dilemmas, Discussions and Debates. Basel, Switzerland, September 2014 –

92, Couch JR, Stewart KE. Abstract and Poster Presentation at the 139th Meeting of the American Neurologic Association, October 2014 – Comparison of headache , cognitive dysfunction and dizziness in soldiers suffering from mild traumatic brain injury (TBI) and matched controls.

93. Lecture presentation at the Headache and Pain Special Interest Group of the American Neurologic Association, Baltimore , October, 2014 – Long term effects of the post-concussion syndrome at 4-12 years following traumatic brain injury in the veterans of the Iraq and Afghanistan wars

95. Couch JR, Stewart, KE. Comparison of headache (HA) in Veterans of OEF/OIF with Traumatic Brain Injury against Controls Matched for Age, Sex , Race, and Deployment . presented at the 66th Annual Meeting of the American Academy of Neurology, April 22 and 25, 2014.

96. Couch JR, Stewart KE. Comparison of headache in veterans who were deployed to combat zones and did or did not suffer a deployment-related Traumatic Brain Injury (DTBI). Presented at the 55th annual meeting of the American Headache Society, June 27, 2014. (abstract and Platform Presentation)

97. Couch JR, Stewart KE**,** Comparison of headache in Veterans who were deployed to Meeting of the World Congress on Neurotherapeutics: Dilemmas, Discussions and Debates. Basel, Switzerland, September 2014

98. Couch JR, Stewart KE – Comparison of headache , cognitive dysfunction and dizziness in soldiers Suffering from mild traumatic brain injury (TBI) and matched controls.(Abstract and Poster) Annals of Neurology 2014;76 (suppl 18):S102

99. Couch JR, Stewart K. Definition and Comparison of the "Headache Problem" in Veterans of the Iraq (OIF) and Afghanistan Wars with and without Traumatic Brain Injury using the parameters of headache frequency and intensity. Presented at the 67th Annual Meeting of the American Academy of Neurology, Washington, D.C. April 20, 2015. (Poster)

99. Couch JR, Stewart K. Effect of Traumatic Brain Injury (TBI) AND Post-Injury Headache on Employment and Marital Status of Veterans of Iraq and Afghanistan Wars and Comparison to Deployed Controls without TBI. Headache 2015; 55 (S-3):134. (Abstract and Platform presentation)

100, Couch JR, Stewart KE, Traumatic Brain Injury (TBI) During Deployment to a Combat Zone Results in Long term Chronic Headache. Presented at the International Brain Injury Society meeting , New Orleans, March 2017

101, Couch JR, Stewart KE, Migraine with Aura (MA) is the most common phenotype for Post-Traumatic Headache (PTH). Presented at the AAN meeting, Boston, 4/23/17

102. Couch JR, Stewart KE. Headache severity in Veterans Deployed to Afghanistan or Iraq wars at 2-11 years after Traumatic Brain Injury. Presented at American Headache Society Meeting, Boston, 6/9/2017

103 Couch, JR, Stewart KE: Post-Traumatic Stress Disorder and Depression in relation to the Different Phenotypes of Post-Traumatic Headache and comparison with matched controls. Presented at International Headache Congress, Vancouver, Canada. September 2017.

TEACHING

Course Participation

Department

1. Presented lecture on Neurologic examination to Medical Students coming on the 2 week Neurology rotation every 2 weeks from 1994-2007, except when on leave or vacation.
2. Attended on the Neurology Service at OUMC 2-3 months/year from 1993-2012.
3. Attended on the Neurology Service for the OKC VAMC 1-2 months/year from 1993-Present.
4. Developed and Initiated the Neurology Residency Program at OUMC in 1992 (Submission of Program Application in September 1992, Approval granted by the American Board of Psychiatry and Neurology in April,1993, First residents began in July, 1993)
5. Residency Program Director for Neurology 1993-2006
6. Presented Lecture on Basic aspects of Headache and Lecture on Therapy of Headache to Physician Assistant Students yearly from 1997-2014
7. Attending on the VA Inpatient Neurology service which involves teaching residents and students 4-8 weeks/year 1993-present
8. Attending on the Neurology Inpatient service teaching residents and students 4-8 weeks/year 1993-2010

Other

INVITED LECTURESHIP AND PARTICIPATION IN NATIONAL AND REGIONAL CME ACTIVITIES

Faculty, First Annual Advanced Course of the AASH on "Cluster Headache." New Orleans, LA; June 1982. Topic:
"Therapy of Acute Cluster Headache"

Faculty, Eighth Annual Post-Graduate Course, Scottsdale, AZ January 1983. Topic: "Drug Therapy of Headache"

Faculty, Second Annual Advanced Course of the AASH. Toronto, CN; June 1983. Topic: "Stroke and Migraine"Faculty, Third Annual Advanced Course of the AASH, San Francisco, CA; June 1984. Topic: "Headache Therapy"

Faculty, Fourth Annual Advanced Course of the AASH, New York, NY; June 14-16, 1984. Topic: "The Neurologic
Examination in the Post-Trauma Syndrome"

Faculty, "Diagnosis and Treatment of Head and Neck Pain" CME Course sponsored by St. Louis University Medical
School. St. Louis, MO; October 1984. Topic: "Prophylactic Therapy of Migraine" Sponsored lectureship
by Sandoz, Inc.

Faculty, CME Courses, Medical City Hospital, Dallas TX; May 1984. Topic: "Pharmacologic Therapy of Headache"

Course Director, Ninth Annual Post-Graduate Course on "Headache: Basic Aspects, Diagnostic and Therapy" in

Scottsdale, AZ; February 2-4, 1984. Topic: "Pharmacology of Drugs Used for Prophylaxis," and "Overview: Treatment of Cluster Headache"

Course Director, Tenth Annual Post-Graduate Course on "Headache: Theory, Diagnosis, Psychological Aspects and Therapy" in Scottsdale, AZ; February 6-9, 1985. Topic: "Metabolic Headache," and "Clinical Pharmacology and Usage of Drugs for Headache" and Moderator for panel discussion - "How to Handle the Difficult or ntractable Headache Patient"

Faculty, Fourth Annual Advanced Course, AASH in New York, NY; June 14, 1985. Topic: "The Neurologic Examination in the Post-Traumatic Syndrome."

Faculty, Fifth Annual Advanced Course of the AASH, Chicago, IL; June 1986. Topic: "Post Traumatic Headache and Cognitive Rehabilitation Therapy"

Faculty, Thirty-eighth Annual Scientific Assembly, Des Moines, IA; October 1986. Topic: "Vascular Headache"

Faculty, Twelfth Annual Post-Graduate Course, AASH in Scottsdale, AZ; January 1987.

Course Director, Sixth Annual Advanced Course of AASH. Course: "Facial Pain", Topic: "Sinus and Ocular Pain" Quebec City, CN; June 1988.

Faculty, 13th Annual Post-Graduate Course on "Headache: Current Concept" Topics: "Clinical Dilemma-I: A patient with long standing headache and a recent positive CT scan" and "Migraine equivalents and other migraine associated symptoms". Also panel member for workshop: "Evaluation and Treatment of the Difficult Headache Patient" Scottsdale, AZ ; January 28-30, 1988.

Faculty, Annual Pain and Headache Course of the AAN, Topic: "Acute Headache" Cincinnati, OH. April 1988.

Course Director, Seventh Annual Advanced Course of the AASH Course: "New Concepts in Basic Mechanisms and Therapy of Headache" Topic: "The Placebo Effect and Headache Therapy" San Francisco, CA; June 1988.

Faculty, Fourteenth Annual Post-Graduate Course of the AASH. Headache: Changing Perspectives and Controversies. Topic: "Headache and AIDS, E-B Virus, Lyme Disease and Other Illnesses. Workshop coordinator: Challenges in the Treatment of Cluster Headache. Scottsdale, AZ; January 1989.

Course Co-Director - Neurorehabilitation of Stroke, Burke Rehabilitation Center, White Plains, NY; October 1990. Presented Medical Complications of Stroke Patient.

Course Director, Neurorehabilitation Course, AAN, Boston, MA 1991.

Course Director, Neurorehabilitation of Stroke, Springfield, IL; October 1991. Presentations: 1) Muscle Strengthening and Conditioning in Elderly 2) Medical Complication in the Stroke Patient. AASH, 1990 Fall Course, Intake Evaluation of Headache Patient, Workshop

Director; Drug Therapy of Headache Workshop, Faculty. AASH, 1991 Winter Course, Intake Evaluation of Headache Patient Workshop,

Director; Menstrual Associated Migraine AASH, 1992 Winter Course Vasculitis, Arteritis & Headache; Intake Evaluation of Headache patients Workshop St. Francis Hospital, Evansville, IN, New Concepts in Pathogenesis and Therapy of Stroke; March 1992.

Faculty, AASH "A Comprehensive Course in Mechanisms and Management"; Workshop, "Pharmacological Treatment of Refractory Headache in Outpatients"; Forum, "Headache Consultation With the Audience", January, 1993 Winter Course Scottsdale, AZ

Director, 1993 Spring Symposium, "Update in Neurology", OUHSC, Oklahoma City, March 12, 1993.

Faculty, 1993 Spring Symposium, "Introduction to the Problem of Stroke" and "Update on Therapy of Migraine
Headache", OUHSC, Oklahoma City, OK, March 12, 1993.
Faculty, 20th Annual Critical Care Medicine Course, OUHSC, Oklahoma City, March, 1993
Director, Course No. 443, "The Prognosis and Clinical Outcome Measures in Spinal Cord Injuries, 45th Annual
Meeting of AAN, New York City, April, 1993.

Faculty, "Headache Evaluation and Management for the Nineties" OUHSC, College of Medicine-Tulsa, Tulsa, OK, May 12, 1993
Lecture presentation at the Headache and Pain Special Interest Group of the American Neurologic Association, Baltimore , October, 2014 – Long term effects of the post-concussion syndrome at 4-12 years following traumatic brain injury in the veterans of the Iraq and Afghanistan wars
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Lecture Presentation at National VA Healthcare summit: The Long Term effects of Traumatic Brain Injury in Veterans of the Afghanistan and Iraq Wars. Washington, D.C., May 2015

Keynote Lecture: 28th World Congress on Neurology and Therapeutics, February 28 - March 02, 2019, Berlin, Germany. HEADACHE FOLLOWING TBI IN VETERANS OF AFGHANISTAN AND IRAQ WARS: LONG TERM FOLLOW-UP AT 2-11 YEARS AFTER TBI.

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Course Co-Director & Faculty, "Neurorehabilitation of Stroke Patients", ASNR, St. Mary's Hospital, Rochester, NY,
September 27/October 1, 1993.
Faculty, "Mild Traumatic Brain Injury: Reconnecting the Circuits", Howard M. Cohenour Medical Education
Symposium, Tulsa, OK, October 29, 1993.
Faculty, AASH, Workshop "Pharmacological Treatment of Refractory Headache" and "Difficult Diagnosis in Headache Disorders", January, 1994 Winter Course, Scottsdale, AZ
Director, 1994 Spring Symposium, "Update in Neurology", OUHSC, Oklahoma City, March 11, 1994
Faculty, "Fall Ashland: Neurology in Primary Care", Oregon HSU, Ashland, OR, August 26, 1994
Faculty, "Trinity Lutheran Symposium on Headache", Kansas City, MO, September 29, 1994.
Faculty, "The Neurorehabilitation of Traumatic Brain Injury Patients", ASNR, Boston, MA, October 3/7, 1994
Faculty, AASH Headache Now/Bermuda 1994 Course, Workshop "Post Concussion Syndrome", Bermuda,
October 14, 1994
Faculty, AASH January, 1995 Winter Course, Scottsdale, AZ
Co-Director, 1995 Spring Symposium, "Update in Neurology", OUHSC, Oklahoma City, March 10, 1995
Faculty, "Neurorehabilitation of Stroke Patients", ASNR, Malvern, PA, October 9/13, 1995
Faculty, AASH January, 1996 Winter Course, Scottsdale, AZ
Director and Faculty, 1996 Spring Symposium, "Update in Neurology", OUHSC, Oklahoma City,
March 8, 1996
Faculty, AASH, The November Scottsdale Headache Symposium, Scottsdale, AZ, November 15, 1996
Faculty, AASH, Headache Now/Cancun, 1997, Cancun, MX, January, 1997
Co-Director and Faculty, 1997 Spring Symposium, "Update in Neurology", OUHSC, Oklahoma City, March 7, 1997
Faculty, "Stroke Rehabilitation for the 21st Century", ASNR, Bowman Gray School of Medicine, Winston-Salem,
NC, November 3/7, 1997
Faculty, AASH, The November Scottsdale Headache Symposium, Scottsdale, AZ, November 13 & 14, 1997
Faculty, "Post Traumatic Headache" AASH, Headache Now/Cancun, 1998, Cancun, MX, January 16/18, 1998
Medical Advisor, Brain Injury Association of Oklahoma, Concussion in Youth Sports, Tulsa, OK, January 16, 1998
Co-Director and Faculty, 1998 Spring Symposium, "Update in Neurology", OUHSC, Oklahoma City, March 6, 1998
Faculty, "Headaches: When To Be Worried", Primary Care Update '98, Oklahoma City, April 7, 1998
Faculty, “Headache”, Oklahoma City Clinic Lecture Series, Oklahoma City, April 10, 1998
Faculty, "Headache Therapy", Rogers, AR, April 16, 1998
Faculty, "Headache Therapy", Bricktown Brewery, Oklahoma City, OK, May 2, 1998
Faculty, "Headaches: When to be Worried", Concepts in Therapy for Primary Care for the College of Pharmacy,
Oklahoma City, OK, May 17, 1998
Faculty, AASH, The November Scottsdale Headache Symposium, Scottsdale, AZ, November 6-8, 1998. Topics:
Post Traumatic Migraine; Post Concussion Syndrome; Outpatient Management
Faculty, “A New Treatment Option in Migraine”, Houston, TX, August 20, 1998
Faculty and Co-Director, OCNS 1998 Symposium, “Migraine”, Oklahoma City, OK, October 30, 1998
Faculty, “Current Aspects of Headache, A Women’s Health Perspective”, Crozer Chester Medical Center, Pennsylvania, “Approach to Therapy of Migraine”, December 4, 1998
Faculty, “Cluster Headache”, AASH, Headache Now/San Juan, 1999, San Juan, PR, January, 22, 1999
Faculty, “Outpatient Treatment Strategies”, AASH, Headache Now/San Juan, 1999, San Juan, PR, January 24, 1999
Faculty, “Chronic Daily Headaches” and “Post Traumatic Headache”, University of South Florida, Annual Headache

Symposium, Tampa, FL, February 19 and 20, 1999
Faculty and Co-Director for Update in Neurology-1999, “Migraine, Sinus Headache and Cluster Headache, An
Overview”, Oklahoma City, OK, March 4 and 5, 1999
Faculty, AASH Scottsdale Headache Symposium, “Headaches in Head Injury”, Scottsdale, AZ, October 22, 1999
Faculty, AASH 41st Annual Scientific Meeting, “All Things Considered” Panel, Boston, MA, June 11/13, 1999
Faculty, “Secondary Headache and Diagnostic Testing”, AASH, Headache Now/San June, 2000, San Juan, PR, January 14/16, 2000
Faculty and Director for Update in Neurology-2000, “Headache: New Treatments, New Hope for the Patient”, Oklahoma City, OK March 9 and 10, 2000
Faculty, AHS 42nd Annual Scientific meeting, Presidential Symposium, “Chronic Daily Headaches”, Montreal, Canada, June 23/25, 2000
Faculty, United Healthcare of Colorado, “Migraine Pain Management”, Denver, CO, September 19, 2000
Faculty, AHS Scottsdale 2000 Headache Symposium, ”When and What Testing in Headache”, Scottsdale, AZ, November 3/5, 2000
Faculty, AHS “Acute Treatment Options”, Headache Now/Bal Harbour, FL, January 19/21, 2001
Faculty and Co-Director for Update in Neurology-2001, “Chronic Daily Headache-Something You Have Seen but Not Thought About”, Oklahoma City, OK, March 15 and 16, 2001.
Faculty, “Advances in the Acute Treatment of Migraine”, 21st Century Neurology, Palm Beach Gardens, FL, May 17, 2001
Faculty, AHS Scottsdale 2001 Headache Symposium, “Post Traumatic Headache and Post Trauma Syndrome”, Scottsdale, AZ, November 2-4, 2001.
Faculty, “Meet the Experts – Case Discussion”, Headache Now/Bal Harbour, FL, January 18-20, 2002
Faculty, “Stroke in the Young Patient”, Update in Neurology – 2002, Oklahoma City, OK, April 5, 2002.
Faculty, AHS Scottsdale 2002 Headache Symposium, Plenary III, Scottsdale, AZ, November 15-17, 2002.
Faculty, Eastern Oklahoma Annual Stroke Symposium, Muskogee, OK, February 28, 2003
Faculty and Co-Director for Update in Neurology-2003, “Which Triptan is Best for White Migraine Patient?”, Oklahoma City, OK, March 6 and 7, 2003.
Faculty, AHS Scottsdale Headache Symposium 2004; “Can You Diagnose This Patient”, “All Things Considered Symposium”
Faculty, Update in Neurology 2004, Department of Neurology, OUMC; “Migraine Prophylaxis”
Faculty, Update in Neurology 2005, Department of Neurology, OUMC, “Chronic Daily Headache”
Faculty, AHS Scottsdale Headache Symposium 2005; “Can You Diagnose this Patient”, “All Things Considered Symposium”
Faculty, Update in Neurology 2006, Department of Neurology, OUMC, “Update on Stroke, 2006”
Faculty, AHS Scottsdale Headache Symposium 2006, “Spontaneous Intracranial Hypotensive Headache”, Medication Overuse Headache” , “All Things Considered”
Grand Rounds, Beth Israel Hospital, New York, N.Y., “Post-Traumatic Headache.
Faculty, AHS Scottsdale Symposium 2007, Spotlight on Headache Treatment (Moderator), All Things

VISITING PROFESSORSHIP

Visiting Professor, Dept. of Neurology, Northwestern University, Chicago, IL; December 1982.
Visiting Professor, Univ. of Illinois Medical School, Peoria, IL; 1990.
Visiting Professor, University of Indiana (Methodist Hospital), combined Medicine and Emergency Dept. Grand Rounds, Indianapolis, IN; February 1992.
Visiting Professor, Purdue University School of Pharmacy, Indianapolis, IN; February 1992.
Visiting Professor, Indiana Neuroscience Society, Indianapolis, IN; February 1992.
Visiting Professor, University of Nebraska, May 1992.
Visiting Professor, Wayne State University Medical School, Detroit, MI; June 1992.
Visiting Professor, University of Illinois Medical School, Peoria, IL; June 1992.
Visiting Professor, Medical College of Ohio, Toledo, OH; July 1992.
Visiting Professor, University of Rochester, Rochester, NY; August 1992.
Visiting Professor, St. Bernard's Hospital, Jonesboro, AR.; March 1994.
Visiting Professor, University of Alabama, Birmingham, AL; June 1994.

Visiting Professor, Oregon Health Sciences University, Ashland, OR, August 1994.
Visiting Professor, Trinity Lutheran Hospital, Kansas City, MO, September 1994.
Visiting Professor, Robert C. Byrd HSC of West Virginia University, Morgantown, WV, March, 1995
Visiting Professor, University of Missouri-Columbia, Columbia, MO, November, 1995
Visiting Professor, University of Kansas Medical School, Kansas City, KS, April, 1996
Visiting Professor, Medical University of South Carolina, Charleston, SC, May, 1996
Visiting Professor, University of South Florida, Tampa, FL, May, 1996
Visiting Professor, Rhode Island Hospital, Providence, RI, September 4, 1996
Visiting Professor, University of Maryland, Baltimore, MD, April 30, 1997
Visiting Professor, University of Minnesota, Minneapolis, MN, May 6, 1997
Visiting Professor, University of N. Texas HSC, Ft. Worth, TX, September 26, 1997
Visiting Professor, Southern Illinois University, Springfield, IL, October 14, 1997
Visiting Professor, Long Island Jewish Medical Center, New York, January 28, 1998
Visiting Professor, Central Ohio Neurologic Society, Columbus, OH, February 18, 1998
Visiting Professor, Rogers, AR, April 16, 1998
Visiting Professor, Irvine, CA, April 12, 2000
Visiting Professor, Washington University, January 10, 2001
Visiting Professor, Kansas University, April 27, 2001
Visiting Professor, Henry Ford Hospital, September 26, 2001
Visiting Professor, University of Illinois-Peoria, 2004
Visiting Professor, Albert Einstein College of Medicine, August 1-October 31,2006, Sabbatical

TEACHING

Mentoring and advising and Career advising: See above – ResidencyProgram Director for Neurology 1993-2006

Contributions to Continuing Education

LOCAL:

(1) Director of the yearly CME course in Neurology at University of Kansas Medical School, 1977-78
(2) Established a yearly CME course in Neurology as part of the program of the Division of Neurology of southern Illinois University Medical School in 1982 and was Director or Co-Director of the course from 1982-1991.
(3) Established the yearly "Update in Neurology" Continuing Medical Education course at OUMC with the first presentation in March, 1993. Was course Director or (names or un-named) Co-Director 1993-2007. The course was well attended with 120-200 participants each year which included graduate physicians, residents, Physician Assistants, and Nurses in Physicians offices. This was recognized as the "Oklahoma Neurology Meeting. An additional benefit of the course here and at SIUMS, was that junior faculty had an opportunity to be a course director, and , with mentorship, have the experience of developing, organizing, and carrying out a 1-2 day CME course.

REGIONAL

Lecturer at the yearly major CME symposium for Physician Assistants, Tulsa Oklahoma, on Headache and Headache Therapy, March, 2009.

NATIONAL

(1) Course Director for the Winter Course on Headache for the American Association for Study of Headache (now American Headache Society) 1981-1983.
(2) Program Director for the Scientific Program of the American Association for the Study of Headache (which included CME), 1984-1986
(3) Education Program Director for the American Society of Neurorehabilitation1991-1996. Initiated the educational program for Neurologists and Physiatrists interested in Neurorehabilitation which was a 3day intensive course with didactic and "hands-on" experience.
(4) Co-Director of the Special Interest Group program in Headache and Pain for the meeting of the American Neurologic Association in October 2013, and October 2014.

PROFESSIONAL SERVICE

Department

1. Attended on the Neurology Inpatient Service at OUMC (1993-2011) and OKC VAMC (1993-present
2. Attended on the Neurorehabilitation Service at Oklahoma City VAMC 2006-2018.
3. Saw outpatient Clinic two afternoons /week for most of the period from 1992-2014.
4. Performed reading of EEG at OUMC 1993-2008, and at OKC VAMC 1992-present
5. Performed EMG's at OUMC and VAMC intermittently over the same years.
6. Chief of Clinical Neurophysiology Laboratory at Oklahoma City VAMC 2007-2017.
7. Chief of Neurorehabilitation Service at Oklahoma City VAMC 2006-2014

College of Medicine

1. Chair of Department of Neurology August, 1992 – March, 2006

Editor, Editorial Boards, and reviewer for Journals.

Editorial Board of Headache 1979-1992
Editorial Board of Journal of the National Stroke Association
Editorial Board of Journal of Stroke and Cerebrovascular Disease
(Section on Neuro-rehabilitation), 2000-2007
Editorial Board of Journal Focus & Opinion Internal Medicine 1993
Referee - Stroke
Referee - Neurology
Referee - Annals of Neurology
Referee – Cephalalgia
Referee – Headache: the Journal of Head and Face Pain
Reviewer for Continuum, AAN's Continuing Education Program
Editorial Advisory Board for JAMA Migraine Web Site1999
Referee – Lancet
Referee – Lancet Neurology
Referee – Nature Clinical Practice, Neurology
Reviewer for JAMA
Reviewer for Pain (journal)
Reviewer for American J. Phys. Med.
Reviewer for European J. Neurol.
Reviewer for Archives Physical Medicine and Rehabilitation
Reviewer for Journal of Headache Pain
Reviewer for Acta Neurologica Scandinavica
Reviewer for Federal Practitioner
Section Editor for Headache Section, Current Treatment Options in Neurology, 2003- Present
Editorial Board of Oklahoma County Medical Bulletin 2003-2014t.

National/International Service

Service to other organizations

American Headache Society: Education Committee, June 1983-1985, June 1986-1989, Chair Education Committee; June 1996-; Membership Committee, June 1985, Chair 1994-96; Achievement Recognition Committee, June 1986 - 1987, Chair 1996-; Publications Committee, June 1986 - 1992; Nominating Committee, 1986, 1987, 1998-present; Executive Committee; 1989-2002; Constitution and by-Laws Committee, 1989-1990; Scientific Committee, 1986-89.Long-Range Planning Committee, 1991,

1996-2000, President-Elect 1996-1998. President 1998-2000, Past President 2000-2002. Chair, Practice Committee, 2006-2008; Chair of Practice Committee, 2006-2008; Annual Meeting Exhibit oversight Committee, 2006-2008, Chair of Awards Committee 2010-2014.

Secretary-Treasurer 1985-1989, Finance and Audit Committee, June 1985- 1989, Chairman; 1987-1989; Section on Neurorehabilitation, ,Section; Chair elect and then Chair AAN Consortium of Neurology Program Directors, 2001-2005.

Association of University Professors of Neurology: Secretary Treasurer 1992-1996

American Society of Neurorehabilitation: Founding Board 1988-1999, Board 1989-1996, Chair Education Committee , 1989-1995

United Council for Neurologic Subspecialties: .Co-Chair of Examination Committee for Headache , 2007-2012.

Community Service

Church Choir-Crossings Community Church 1996-present
President: Mayfair Dance Club – 2012-2014

HONORS AND AWARDS

1958 Phi Eta Sigma
1960 Phi Kappa Phi
1965 Alpha Omega Alpha
1966 Sigma XI
1984 American Neurologic Association
1987 Who's Who in the Midwest
1988 International Who's Who in Medicine, First Edition
1994-present Marquis Who's Who in America (Yearly since 1994), including the 2013 edition.
1996 The Best Doctors in America
1996 The Best Doctors in America: Central Region
1998-2008 The Best Doctors in America
2001 John Graham Lectureship for American Headache Society
2002-2013 America's Top Doctors
2005 Who'sWho in American Education
2005 - 2013 America's Top Doctors (Castle-Connolly)
2005-Present Best Doctors in America (Castle-Connolly)
2008-2010 American Men and Women of Science.
2008-2017 Best Doctors in Oklahoma (Oklahoma Magazine)
2014 Elevated to Regent Member of the American Headache Society
2017- Louis Marquis Lifetime Achievement Award
2017 Louis Marquis Humanitarian Award
2017 Marquis Who's Who in the World for 2018 edition
2017 Elected to Regent Member of American Headache Society
2018 Lifetime Achievement Award From Headache Cooperative of New England.
2018 International Association of top Professionals Achievement Award: Top Professor of Neurology for 2018
2020 Who's Who in the World – 2020
2021 Who's Who in the World – 2021
2021 International Association of Top Professionals Hall of Fame – Elected to Hall 2021

MEMBERSHIPS

PROFESSIONAL GROWTH AND DEVELOPMENT

Attend Professional Society meetings of the American Academy of Neurology and the American

Headache Society yearly. Also attend the meetings of the American Neurological Society and the American Heart Association International Stroke meeting periodically.

Sabbaticals

August-October 2006: Sabbatical with Richard Lipton, M.D., Professor of Neurology and Epidemiology at Albert Einstein Medical School, Bronx, N.Y,

OTHER

Examiner, American Board of Psychiatry and Neurology: October 1975; January 1976; October 1976; February 1977; June 1979; June 1984; June 1985; November 1985; June 1988; June 1990; October 1991; April 1992; June 1993; January 1995; January 1997
Examiner, American Board of Neurosurgery May 1977
Secretary, Kansas City Chapter of Neuroscience Society 1976 - 1977
President, Kansas City Chapter of Neuroscience Society 1977 - 1978
President, Sangamon County Neuroscience Society 1985 - 1987
Medical Advisory Board, Lincoln Land Epilepsy Association 1980-1989
Director, Winter Headache Course, sponsored by the American Association for the Study of Headache (ex-officio member of the Board for the American Assn. for the Study of Headache), January 1983-February 1985. Ninth Annual Course, February 1984; 10th Annual Course, February 1985.
Scientific Program Chairman - American Association for the Study of Headache; Quebec 1987, San Francisco 1988.
Director, 1st Annual SIU Postgraduate Neurology CME Course. Southern Illinois University School of Medicine, March 1983.
Director, 3rd Annual SIU Postgraduate Neurology CME Course. Southern Illinois University School of Medicine, March 1985.
Guest Editor, Facial Pain, Seminars in Neurology, 1988
Director, 1991 Stroke Course.
Co-Director, Neuro-rehabilitation for Stroke Course, Rochester, NY, September, 1993.
Director or Co-Director of Post-Graduate CME course, Update in Neurology, Department of Neurology, University of Oklahoma College of Medicine, 1993-2007
Co-Chair of Clinical Endpoint Committee for study of patent foramen ovale and migraine – St Jude Medical 2007-2012
Reviewer for Department of Defense Congressionally Directed Medical Research Grant Programs:
October, 2020 - Chronic Hheadache
January, 2021 – Chronic Pain

Organizations: Past and Present

1972-9,1993-2014	American Medical Association
1974-	American Academy of Neurology (Fellow 1981)
1972-1979	Kansas Medical Society 1972-1979
1972-1979	Wyandotte County Medical Society Stroke Council
1976-	American Heart Association (Fellow 1973)
1974-1996	Neuroscience Society
1974-1979	American Geriatric Society
	Baylor University Medical Alumni Association Washington University Medical Alumni Association
1974-	American Association for the Study of Headache (Fellow 1993) (Now American Headache Society)
1979-1992	Illinois Medical Society
1979-2006	Association of University Professors Neurology
1979-1992	Sangamon County Medical Society
1984-	American Neurological Association (Fellow 2013)
1988-	American Society for Neuro-rehabilitation
1988	American College of Physicians (Fellow 1989)

1990-	Neurorehabilitation Section of the American Academy of Neurology
1992-	Oklahoma Center for Neurosciences
1992-	Oklahoma Neurological Society
1996-2014	Oklahoma County and Oklahoma State Medical Associations.