

Curriculum Vitae

Bryan Rankin Payne, MD

Business Address

Professor and Chairman
Department of Neuroscience
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910 13th Avenue
Huntington, WV 25701
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Born:

August 16, 1966
Phoenix, AZ

Citizenship:

USA

Spouse:

Mary "Mitzi" Payne

Education:

Central High School; Louisville, Kentucky 1984

University of Kentucky; Lexington, Kentucky
B.A.: Chemistry, minor: Biology, with Honors 1988

University of Louisville, School of Medicine; Louisville, Kentucky
M.D. 1992
Class Secretary 1989-1992

Post Graduate Training:

Louisiana State University-New Orleans, Department of Surgery

General Surgery Internship 1992-1993

Louisiana State University-New Orleans, Department of Neurosurgery
Neurosurgery Resident 1993-1998
Chief Neurosurgery Resident, Charity Hospital, New Orleans 1997-1998
ABNS Written Board Exam Passed
ABNS Oral Board Exam Passed

University of Virginia, Department of Neurosurgery
Lars Leksell Radiosurgery Fellow 1998-1999
Preceptor: Ladislau Steiner, MD, PhD

Emory University, Division of Neurosurgery
Functional and Stereotactic Neurosurgery Fellow 1999-2000
Preceptor: Roy A. E. Bakay, MD

Professional Organizations

American Association of Neurological Surgery
Leksell Gamma Knife Society
AANS/CNS Stereotactic and Functional Joint Section
Southern Neurosurgical Society (Candidate Member)
Congress of Neurological Surgeons
Society for Neuroscience
Greater New Orleans Chapter of the Society for Neuroscience
Orleans Parish Medical Society
Louisiana State Medical Society

Current Licenses

Louisiana #10052R
West Virginia #22744

Awards and Honors:

Central High School
National Merit Finalist

University of Kentucky
Phi Beta Kappa
Presidential Scholar
Student Senate
Honors Program
Midwest Regional College Chemistry Poster Exhibition
Lexington, Kentucky 1988
Winner-First Place for Best Poster Presentation
Graduation with Honors

University of Louisville
Class Secretary 1989-1992
Class yearbook editor 1991 and 1992

Louisiana State University-New Orleans
General Surgery Internship 1992-1993

Chairman's Award: Highest Department In-Service Score

Professional

Recognized by Best Doctor Incorporated for 2006

Other

Kentucky Colonel, 1989

Sovereign Military Order of the Knights of Jerusalem (The Knights Templar), 2001

Board Certification

American Board of Neurological Surgeons, 2004

Academic Appointments:

Emory University, School of Medicine;
Atlanta, GA
Clinical Instructor of Neurosurgery, 1999-2000

Louisiana State University
New Orleans, LA
Assistant Professor of Neurosurgery, 2000 to 2005
Section Head: Radiosurgery and Stereotactic Neurosurgery

Louisiana State University
New Orleans, LA
Associate Professor of Neurosurgery, 2005 to 2006
Section Head: Radiosurgery and Stereotactic Neurosurgery

Louisiana State University
Shreveport, LA
Associate Professor of Neurosurgery, 2006 to 2007

Marshall University
Huntington, WV
Professor and Chairman of Neuroscience, 2007 to present

Professional Appointments:

Co-medical director, New Orleans Regional Gamma Knife Center
Touro Infirmary
2000 to 2006
Medical Director
2006 to 2007

Medical Director, Functional Neurosurgery
Touro Infirmary
New Orleans, LA
2000 to 2006

Hospital Appointments:

Cabell-Huntington Hospital
Huntington, WV 2007-Present

Publications

Refereed Journal Articles

- Sylvia Daunert, Bryan R. Payne, Leonidas G. Bachas
Pyruvate Carboxylase as a Model for Oligosubstituted Enzyme-Ligand Conjugates in
Homogenous Enzyme Immunoassays
Analytical Chemistry, 1989, 61(19): 2160-2164
- Bryan R. Payne, Dheerendra Prasad, Melita Steiner and Ladislau Steiner
Gamma Surgery for Intracranial Metastases from Renal Cell Carcinoma
The Journal of Neurosurgery, 2000, 92(5): 760-765
- Bryan R. Payne, Dheerendra Prasad, Melita Steiner and Ladislau Steiner
Gamma Surgery of Hemangiopericytomas
Acta Neurochir (Wien) 2000, 142:527-537
- Bryan R. Payne, Dheerendra Prasad, Melita Steiner and Ladislau Steiner
Gamma Surgery of Vein of Galen Malformations
The Journal of Neurosurgery, 2000, 93(2): 229-236
- Bryan R. Payne and Roy A. E. Bakay
Surgical Technique of Pallidotomy
Contemporary Neurosurgery, 2002, 23:3
- Dawei W. Dong, Theodore G. Weyand, Bryan Payne and Jayaraman Rao
The role of the basal ganglia during free-viewing natural time images
Journal of Vision, 2004, Volume 4, Number 8, Abstract 654, Page 654a
<http://journalofvision.org/4/8/654/>
- Mary Say Payne, Benjamin Lyons Brown, Jayaraman Rao and Bryan Rankin Payne
Treatment of Phenylketonuria-associated Tremor with Deep Brain Stimulation: A Case
Report
Neurosurgery 2005, 56(4) p E868
- Bryan R. Payne, Robert L. Tiel, Bruce Fisch and Mary Say Payne
Vagus Nerve Stimulation for Intractable Hiccups
Journal of Neurosurgery, 2005, 102(5)
- Bryan R. Payne, Mary S. Payne, Jay Rao
Deep Brain Stimulation for Treatment of Non-Parkinsonian, Non-Essential Tremor: a Series
of Nine Cases
Submitted to Functional and Stereotactic Neurosurgery, April 2005
- Bryan R. Payne, Judy Weber and Mary S. Payne
A Split Strap Frame Applicator for Stereotactic Frame Placement
Surgical Neurology, In Press
SUN-D-06-00665

On-going studies

Brain shift during intracranial stereotactic procedures

Chapters

Edward Connolly and Bryan R. Payne
Medical and Peri-Operative Complications
In The Thoracic Spine, Editors: Benzel and Stillerman
Quality Medical Publishing, St. Louis, MO, 1998

Ladislau Steiner, Bryan R. Payne, Dheerendra Prasad and Melita Steiner
Gamma Surgery for Vascular Disorders of the Brain
In AANS Neurosurgical Topics
LINAC and Gamma Knife Radiosurgery, Editor: Germano
Park Ridge, IL, December 1999

Ladislau Steiner, Bryan R. Payne, Dheerendra Prasad, Christer Lindquist and Melita Steiner
Gamma Surgery in Cerebral Vascular Malformations, Tumors and Functional Diseases
In Operative Neurosurgical Technique, Editors: Schmidek and Sweet
W B Saunders Co, Philadelphia, PA, August 2000

Bryan R. Payne, Roy A. E. Bakay and Jerrold Vitek
Pallidotomy for Parkinson's Disease
In Surgical Treatment for Parkinson's Disease and Movement Disorders
Editor: Tarsy, Vitek and Lozano
Humana Press, December 2001

Payne BR, Bakay RAE and Cosgrove GR
Outcomes in Movement Disorder Surgery – Pallidotomy
In: Contemporary Surgical Management of Movement Disorders.
Editors: Couldwell W and Cosgrove GR
St. Louis, Quality Medical Publishing, 2002: St. Louis, MO, 2002.

Bryan R. Payne and Roy A. E. Bakay
Parkinsonism: Ablation versus Stimulation
In The Handbook of Sterotactic and Functional Neurosurgery
Editor: Schulder
Marcel Dekker, Inc., 2003

Invited Lectures

American Psychiatric Association
Annual Meeting
The Expanding Role of CNS Electrical Stimulation
New Orleans, LA, May 8th, 2001

Touro Infirmary Grand Rounds
Indications for Movement Disorder Surgery
New Orleans, LA, January 10th, 2002

Association of Operating Room Nurses, Regional Meeting
Deep Brain Stimulation for Movement Disorders
New Orleans, LA, February 27th, 2002

National Association of Surgical Technologists
Neurosurgical/Orthopedic Workshop
Gamma Knife Radiosurgery
New Orleans, LA, August 24th, 2002

The Society of Neurosurgeons
Annual Meeting
Surgery for Non-Essential, Non-Parkinsonian Tremor
New Orleans, LA, May 23rd, 2004

Oral Diagnosis Annual Workshop
Louisiana State University School of Dentistry
Treatment Options for Trigeminal Neuralgia: Gamma Knife Radiosurgery
New Orleans, LA, August 25th, 2004

Jefferson Parish Operating Nurses Association
Annual Meeting
Update on Functional Neurosurgery and Gamma Knife Radiosurgery
Metairie, LA September 18th, 2004

University of Louisville
Neurology/Neurosurgery Grand Rounds
Advances in Functional Neurosurgery
Louisville, KY January 4th, 2005

Association of Rehabilitation Nurses, Crescent City Chapter
Annual Meeting
Surgery for Movement Disorders
New Orleans, LA June 13th, 2005

American Association of Surgical Technologists
Annual Meeting
Advances in Functional Neurosurgery
New Orleans, LA May 26th, 2007

Presentations and Posters

Bryan R. Payne, Sylvia Daunert and Leonidas G. Bachas
Pyruvate Carboxylase as a Model for Oligosubstituted Enzyme-Ligand Conjugates in
Homogenous Enzyme Immunoassays (Poster)
Presented at Midwest Regional College Chemistry Poster Exhibition
Lexington, Kentucky 1988
Winner-First Place for Best Poster Presentation

Bryan R. Payne, Vasudeva G. Iyer
Glucose Metabolism in the Mouse Spinal Cord (Poster)
Presented at University of Louisville Student Research Poster Seminar

Louisville, Kentucky 1989

Bryan R. Payne and Deepak Awasthi
Usefulness of Anterior Cervical Plates Following Corpectomy (Poster)
Presented at the Congress of Neurological Surgeons Meeting
Montreal, Canada 1996

Gregory C. Dowd, Bryan R. Payne, Amanda Yaun and Edward S. Connolly
Neurosurgical, Neurological and Psychiatric Complications in Heart Transplant Patients
Presented at the Southern Neurosurgical Society Annual Meeting
Memphis, TN 1999

Bryan R. Payne, Dheerendra Prasad, Melita Steiner and Ladislau Steiner
Gamma Surgery of Vein of Galen Malformations
Presented at the AANS/CNS Joint Cerebrovascular Section Meeting
New Orleans, LA 2000
and
Leksell Gamma Knife Society Meeting
Squaw Valley, CA 2000

Dheerendra Prasad, Bryan R. Payne, Melita Steiner and Ladislau Steiner
Gamma Surgery for Renal Cell Carcinoma Metastases
Leksell Gamma Knife Society Meeting
Squaw Valley, CA 2000

Bryan R. Payne, Dheerendra Prasad, Melita Steiner and Ladislau Steiner
Gamma Surgery of Hemangiopericytomas
Leksell Gamma Knife Society Meeting
Squaw Valley, CA 2000

Bryan R. Payne, Dheerendra Prasad, Melita Steiner and Ladislau Steiner
Gamma Surgery for Renal Cell Carcinoma Metastases
Presented at the Georgia Neurosurgical Society Meeting
Sea Island GA, 2000, and
Southern Neurosurgical Society Meeting
Ponte Verde, FL 2000

Deepak Awasthi, Bryan Payne and Najeeb Thomas
Anterior Cervical Plating After Corpectomy in Cervical Spondylosis:
Is it Necessary? (Poster)
American Association of Neurological Surgeons Annual Meeting
Toronto, Canada 2001

The North American Survey of Placement and Adjustment Strategies for Deep Brain
Stimulation
William G. Ondo, Helen Bronte-Stewart for the DBS Study Group
American Academy of Neurology (Poster)
56th Annual Meeting in San Francisco, California
April 24 - May 1, 2004

Theodore G. Weyand, S. Selandipalayam, Bryan R. Payne and Jay Rao
Measuring Information Transfer in the Basal Ganglia
Society for Neuroscience, Program No. 70.10
Washington D.C., 2004

Nedzi L., Walsh J.W., Weiner R., Payne B.R., Zakris E., Sanford R., Pearman T., Rosel P., Mudad, Hall A., Weber J.

Localized Therapy for Limited Metastatic Disease to the Brain: A Phase II Study of Surgery, Stereotactic Radiosurgery (SRS) and Stereotactic Radiotherapy (SRT) in Favorable Patients
7th International Stereotactic Radiosurgery Society Congress, 2005, Brussels, Belgium

Mary S. Payne and Bryan R. Payne

Treatment of Autophagia with Acetaminophen in Rats following Spinal Cord Injury
Society for Neuroscience, Program Number 104.14
Washington D.C., 2005

Bryan R. Payne and Mary S. Payne

Intrathecal Methotrexate Infusion after Spinal Cord Injury Reduces Incidence of Autophagia
in Rats
Society for Neuroscience, Program Number 104.14
Washington D.C., 2005

Research Interests

Spinal Cord Regeneration

Vagus Nerve Stimulation for Intractable Hiccups

Deep Brain Stimulation for Dystonia

Advanced Courses:

Advance Training on Functional Neurosurgery with Leksell Gamma Knife
May 27-29, 2002
Marseille, France
Hospital de la Timone
Faculty: Jean Regis, M.D