

Brain and Spine Center South Florida
SPECIALIZING IN SURGERY OF THE BRAIN AND SPINE
670 Glades Road, Suite 100, Boca Raton, FL 33431
Tel (561) 392-8855 Fax (561) 392-8922

CURRICULUM VITAE
LLOYD ZUCKER, M.D., FAANS

AREAS OF SPECIAL INTEREST:

Neurosurgery of the Brain and Spine
Complex Spinal Surgery and Instrumentation
Minimally Invasive Brain & Spinal Surgery
Stereotactic Navigation Spine & Brain
Brain Tumor Surgery/Radiosurgery
Deep Brain Stimulation
Clinical Trial Development

PRIVATE PRACTICE:

2000 - present	Neurosurgical Consultants of South Florida d/b/a Brain and Spine Center South Florida 670 Glades Road, Suite 100 Boca Raton, FL 33431
1994 - present	Florida Neuroscience Institute- President 670 Glades Road, Suite 100 Boca Raton, FL 33431
1993 – 1994	Muhlenberg Regional Medical Center Plainfield, New Jersey Attending Staff, Neurosurgery JFK Medical Center Edison, New Jersey Attending Staff, Neurosurgery
1991 – 1992	New Britain General Hospital New Britain, Connecticut Bristol Hospital Bristol, Connecticut Bradley Memorial Hospital Southington, Connecticut Attending Staff, Neurosurgery
1988 – 1991	UMDNJ/Robert Wood Johnson University Hospital New Brunswick, New Jersey Princeton Medical Center Princeton, New Jersey St. Peters Medical Center New Brunswick, New Jersey Somerset Medical Center Somerville, New Jersey

Education:

1974 - 1978 Bachelor of Arts
Johns Hopkins University
Baltimore, Maryland
Major: Biology

1978 - 1982 Doctor of Medicine
University of Medicine and Dentistry of New Jersey/ Rutgers
Piscataway, New Jersey

1982 - 1983 Intern in General Surgery
Middlesex General University Hospital
New Brunswick, New Jersey
University of Medicine and Dentistry of New Jersey/Rutgers
Piscataway, New Jersey

1983 - 1986 Resident in Neurosurgery
Hartford Hospital/University of Connecticut
Hartford, Connecticut

1986 - 1987 Chief Resident in Neurosurgery
John Dempsey Hospital
University of Connecticut/Hartford Hospital Residency Program
Hartford, Connecticut

1987 - 1988 Chief Resident in Neurosurgery
Hartford Hospital
University of Connecticut/Hartford Hospital Residency Program
Hartford, Connecticut

1992 - 1993 Fellowship in Complex Spinal Surgery/ David Cahill, MD
University of South Florida
Division of Neurosurgery - Tampa General Hospital
Tampa, Florida

CERTIFICATION: Diplomate, American Board of Neurological Surgeon, 1991
Fellow, American Association of Neurologic Surgeons
Research Certifications:
CITI of Univ of Miami
CITI Univ of Michigan
ICH GCP

LICENSURE: Florida
Connecticut (Prior)
New Jersey (Prior)

**HOSPITAL
AFFILIATIONS:**

Delray Medical Canter, Delray Beach Florida
Boca Raton Regional Hospital, Boca Raton Florida
Pinecrest Rehabilitation Hospital, Delray Beach, FL

PROFESSIONAL SOCIETIES: Congress of Neurological Surgeons (CNS)

American Association of Neurological Surgeons (AANS)

Society for Neurooncology (SNO)

Subcortical Surgery Group (SSG)

North American Spine Society (NASS)

American Society for Stereotactic and Functional Neurosurgery
(ASSFN)

Joint Section of Spine and Peripheral Nerve

Joint Section on Trauma

Palm Beach County Medical Society (PBCMS)

APPOINTMENTS:

Chief of Neurosurgery, Delray Medical Center, Level I Trauma Center

Medical Director Neurosurgical Services, Delray Medical Center

Clinical Assistant Professor, School of Biomedical Sciences, Schmidt
School of Medicine, Florida Atlantic University

Subcortical Surgery Society, Secretary & Treasurer; Member
Executive Committee

Tenet Florida Region Health System Committee Member of CARE
Center for Advanced Research Excellence

Member, Palm Beach County Healthcare District Trauma Quality
Improvement Committee

Member, Delray Medical Center Trauma Research Committee

Member, Delray Medical Center Surgical Logistics Committee

Optune (NovoTTF-100) Certified Treatment Provider

AANS/CNS Section on Disorders of the Spine and Peripheral Nerves;
Former Member Executive Committee

5 ALA/ Gliolan National Steering Committee
NxpharmaGen

Member Cancer Committee, Delray Medical Center

AWARDS:

Hero In Medicine, 2010 – Haiti Earthquake Relief
May 6, 2010

RESEARCH:

ImmunoCellular ICT-107-301:

STING (Study of Immunotherapy in Newly Diagnosed Glioblastoma): A Phase III randomized double blind, controlled study of ICT-107 with maintenance temozolamide (TMZ) in newly diagnosed glioblastoma following resection and concomitant TMZ chemo-radiotherapy

Delray Medical Center
Principal Investigator
Multicenter Clinical Trial; Novella Clinical

A Multicenter Study of 5-Aminolevulinic Acid(5-ALA) to Enhance Visualization of Malignant Tumor in Patients with Newly Diagnosed or Recurrent Malignant Gliomas: A Safety, Histopathology and Correlative Biomarker Study

Delray Medical Center
Principal Investigator
Multicenter Clinical Trial; NX Gen Pharma

Phase III Clinical Trial Evaluating DCVax-L, Autologous Dendritic Cells Pulsed with Tumor Lysate Antigen for the Treatment of Glioblastoma Multiforme

Delray Medical Center
Principal Investigator
Multicenter Clinical Trial; Northwest Biotherapeutics

Minimally Invasive Subcortical Parafascicular Access for Clot Evacuation (MiSPACE)/ Intracerebral Hematoma Multi Center Registry Study

Delray Medical Center
Principal Investigator
Multicenter Clinical Trial, Primary Site- Aurora Neuroscience Center

Safety of Autologous Human Schwann Cells (ahSC) in Subjects with Subacute Spinal Cord Injury

Delray Medical Center, 2015; study closed to enrollment
Principal Investigator
Sponsor: Univ of Miami

RE-VERSE-AD; A study of the RE-VERSAl effects of Idarucizumab on Active Dabigatran Trial

Delray Medical Center
Sub-Investigator, 2014-15; study closed to enrollment

ProTECT III; Progesterone for the Treatment of Traumatic Brain Injury

Neurologic Injury Treatment Trials Network/NIH
Delray Medical Center, 2013; study completed
Principal Investigator

BHR-100/SyNAPSE, Progesterone in Traumatic Brain Injury Study

Delray Medical Center, 2012; study completed
Principal Investigator

BAK Intervertebral Lumbar Cage

Delray Medical Center
Laparoscopic Insertion Study Site
Principal Investigator

Interstitial Radiation for Malignant Glioma – Co-Author

University Of Connecticut/Hartford Hospital Interstitial Radiation
Protocol

PUBLICATIONS:

Zucker, Lloyd (local PI); Skolnick, Brett; Mass, Andrew; Narayan, Raj;
van der Hoop, Roland; MacAllister, Thomas; Ward, John; Nelson, Neta;
and Stocchetti, Nino for the SYNAPSE Trial Investigators:

A Clinical Trial of Progesterone for Severe Traumatic Brain Injury.
New England Journal of Medicine. 2014 Dec; 371: 2467-2476 DOI:
10.1056/NEJMoa1411090.

Parra, Michael, Zucker, Lloyd, et al: Dabigatran Bleed Risk with
Closed Head Injury: Are We Prepared? *Journal of Neurosurgery*. 2013
May; DOI: 10.3171/2013.3JNS12503

Zucker, Lloyd MD. The Aging Back and Lumbar Spinal Stenosis
Getting Smart About Neurosurgery.
Patient Informational Brochure
AANS/CNS Patient Information Series

Lloyd Zucker, M.D.: Transport of the Neurologically Injured Patient.
Emergency Care Quarterly 4(4): 40-48 – 1989

Lloyd Zucker, M.D., A.L. Amacher, A. Eltomey :
Juvenile Lumbar Discs.
Childs Nervous System (3): 126-129

Y.P. Loh, Lloyd Zucker, M.D., H. Verapaget, T.B. Van Wimersma
Gredanus: Melanotrophic Peptides: Presence in Brain of Normal and
Hypophysectomized Rats and Subcellularly Localized in
Synaptosomes. *Journal of Neuroscience Research*. 1978 -4(2)

PAPERS PRESENTED:

**The Safety and Efficacy of Image-Guided Tran-sulcal Radial
Corridors for Hematoma Evacuation**

A Multicenter Study
International Stroke Conference 2015
Drs: Labib, M; Britz, G; Young, R; Shah, M; Zucker, L; Maioriello, A;
Day, J.D.; Gallia, G; Kerr, R; Rovin, R; Kassam, A

More Fateful than Fruitful?

ICP Monitoring in the Elderly is Associated with Worse Outcomes
Resident Presentation

American Academy of Surgery (AAS) 2014
Presenting: Dr Quoc Dang & Dr Joshua Simon
Attendings: Dr Zucker, Dr Puente, Dr Bukur, Dr Catino

**Effect of Knee-Chest Intraoperative Position on Lower Lumbar
Loridosis**

Second International Meeting – Advanced Spine Techniques
Curacao, Netherlands Antilles
April 26-29, 1995

Juvenile Lumbar Discs

New England Neurosurgical Society
June 1988

Juvenile Lumbar Discs

American Association of Neurologic Surgeons, Pediatric Section
Houston, Texas
December 1988

LECTURES PRESENTED:

**APDA, American Parkinson Disease Association
Holy Cross Hospital Neuroscience Institute
Symposium at the Dorothy Mangurian Comprehensive
Women's Center**

Unraveling the Invisible Face of Parkinson's Disease
November 21, 2015

Delray Medical Center

Healthy Conversation Lecture Series

Spinal Stenosis: What It Is and When to Treat It
July 21, 2015

Delray Medical Center

Healthy Conversation Lecture Series

Spinal Stenosis: What It Is and When to Treat It
April 21, 2015

**Synaptive Medical: Operative Technologies/ Innovation and
Integration;** Corporate Lecture Series, Toronto, Canada

HealthCare District of Palm Beach County

Use of Hypothermia in Closed Head Injury & Spinal Cord Injury
Palm Beach County Trauma Conference
Invited Speaker
October 21, 2014

Alliance of Delray

Delray Medical Center: BrainPath Technology
Keynote Speaker
June 4, 2014

Siemens Artis Zeego: New Cranial and Spinal Applications

American Association of Neurologic Surgeons Meeting
April 2014

Florida Neurosurgical Society

Privademics; Fact or Fiction

Invited Speaker

August 31, 2013

International Essential Tremor Foundation

Learning about Essential Tremor

Diagnosis, Prognosis and Treatment Options

Boca Raton Regional Hospital

2012

National Parkinson Foundations (NPF)

Parkinson's Disease Update

South Palm Beach County Chapter

December 12, 2011

Parkinson's Disease Infonet

Surgical Treatment of Parkinson's disease

2011 Parkinson Educational Conference

Palm Beach Gardens, FL

American Parkinson Disease Association (APDA)

Treatment of Parkinsons and Other Tremor Disorders – Guest Speaker

Barnes & Nobles Lecture Series

Boynton Beach, FL

American Parkinson Disease Association (APDA)

Parkinson's Disease & Related Tremor Disorders – Guest Speaker

Books A Million

Delray Beach, FL

February 28, 1999

Tenet Healthcare

Treatment for Spasticity – Guest Speaker

Pinecrest Rehabilitation Hospital

Delray Beach, FL

December 3, 1998

HPI VIP Medicare Plan

Parkinson Disease and Related Tremor Conditions

WSBR 740 AM Radio – Guest Speaker

Boca Raton, FL

August 28, 1998

Joint Section on Disorders of the Spine and Peripheral Nerves

Intrathecal Opiates for Failed Back Syndrome

Point/Counterpoint Series

14th Annual Meeting

Rancho Mirage, California

February 11 – 14, 1998

University of Florida – Florida Neurosurgical Society

Contemporary Surgery of the Lumbar Spine – Guest Faculty

Minimally Invasive Techniques: Endoscopy

Orlando, FL

March 22, 1997

University of Florida- Florida Neurosurgical Society
Contemporary Surgery of the Lumbar Spine – Guest Faculty
Minimally Invasive Techniques: Endoscopy
Orlando, FL
October 10, 1996

8th Annual International Spine Workshop – Guest Faculty
Minimally Invasive Techniques: Thoracoscopic Anatomy
Bethesda, Maryland
June 6-8, 1996

Spine Seminar for Personal Injury Attorney
Stuart, FL
September 25, 1995

Contemporary Surgery of the Lumbar Spine – Guest Faculty
Minimally Invasive Techniques: Lumbar Instrumentation
Orlando, FL, 1995

Rehab Management Expo 1995
Work Related Clinical Injury – Low Back Pain
Rehabilitation Continuum of Care
Ft. Lauderdale, FL
September 8-10, 1995

NJ Organ & Tissue Sharing Network
Issues Surrounding Brain Death
Meadowlands Medical Center Seminar
Secaucus, New Jersey 1990

St. Peters Medical Center
Head Injury – Intensive Care Nursing Core Lectures
New Brunswick, New Jersey 1988

Hartford Hospital
Transport of the Critically Ill Patient – Transport of the Neurologically Injured
5th Annual EMS/Trauma Symposium
Hartford, Connecticut 1988

Hartford Hospital
Brain Death – Diagnosis & Treatment Planning
Hartford Hospital Organ Transplant Seminar
Hartford, Connecticut 1988

Hartford Hospital
Brain Death – Surgical Grand Rounds
Hartford, Connecticut
September 1985

ABSTRACTS:

Not as Futile as We Think: Age Adjusted Outcomes After Craniotomy for T.B.I. in the Elderly,
Academic Surgical Congress (ASC)
2016 ASC Submission Abstract ID: ASC20160512

Should Prior Anticoagulant use After Blunt Minor Head Trauma Result in Immediate Trauma Evaluation?
Academic Surgical Congress (ASC)

2016 ASC Submission Abstract ID: ASC20160472

*Age Predicts Discharge Disposition but Not Adjusted Mortality
After Nonoperative Management of TBI*

Academic Surgical Congress (ASC)

2016 ASC Submission Abstract ID: ASC20160994

PRESS:

WPBF News

Shaken Baby Syndrome

Delray Medical Center

August 13, 1996

WPBF News

Pallidotomy/Jerry Sanders

Delray Medical Center

December 15, 1998

M.D.News Magazine

Delray Medical Center Neuroscience Program

December 1999

Boca Raton News

Soothing The Stiffness/Parkinson's Disease

December 22, 1998

South Florida Sun-Sentinel

Gift of a Lifetime

Surgery For Parkinson's disease

December 24, 2001

Linha Alberta (Spanish Publication)

Treatment for Parkinson's Disease

May 2003

Palm Beach Post

Brain Injuries

Follow Up to Gabrielle Giffords

January 14, 2011

WPTV/ Ask The Doctor

Concussion and the Young Athlete

March 17, 2012

WPTV/Ask The Doctor

New Techniques in the Treatment of Back Pain

2012

WPTV/ Ask The Doctor

Current Treatment of Parkinson's disease

2012

Delray Medical Center

Healthy Conversation Lecture Series

Deep Brain Stimulation for Parkinsons Disease

November 2012

WFSL/Fort Lauderdale

Progesterone in Head Injury

February 16, 2013

Delray Forum/Sun Sentinel

Traumatic Brain Injury Patient Makes Strides After Clinical Trial
February 6, 2013

Seaview Radio, FM 95.9, FM 106.9. iTunes Podcast

“Oh My God I’m Getting Older and So Is My Mom”
Progesterone in Head Injury/SyNAPSE Study
February 2013

Inside South Florida, WFSL-TV

Inside South Florida- Delray Brain Study
SFLCW: Episode 194 Segment 1
March 14, 2013
[Click here to watch](#)

WPTV NBC 5

Concussions in Football
April 2013

WFLX Fox 29

Concussions in Football
April 2013

Changing the Game Conference with Sanjay Gupta

Toral Family Foundation
Jacksonville, Florida
October 4, 2013

Stryker Navigation

Computer Assisted Surgery/Technologies Workshop
March 8, 2014

Delray Forum/ Sun Sentinel

Hospital Takes New Approach for Brain Injuries
BrainPath Technology/Delray Medical Center
June 11, 2014

WPBF/ Channel 25 ABC

Dr. Zucker/ Delray Medical Center: Highlighting Brainpath
Technology
July 14, 2014

Seaview Radio, FM 95.9, FM 106.9, iTunes Podcast

“Oh My God I’m Getting Older and So IS My Mom”
BrainPath/Synaptive Brightmatter: Technology and Application
October 28, 2014

ESPN Radio

Synaptive Medical Technologies and the Athlete
December 15, 2014

Inside South Florida, WFSL-TV
Inside South Florida- A Good Head Space
Synaptive Medical Technology
January 19, 2015

WPBF Channel 25/ABC
Internet and the Developing Brain
January 27, 2015

Becker's Spine Review: Ask a Spine Surgeon
The evolution of an industry: What changes do spine surgeons hope to see in 2015?
January 29, 2015

Fast Company Magazine
*New Technology Helps Surgeons Better Map The Brain:
Synaptive Medical Is Building A Suite Of Tools It Says Will Help It
Create The Google Maps Of Brain Surgery*
February 11, 2015
[Click here to view](#)

[http://www.fastcompany.com/3041931/most-creative-people/
new-technology-helps-surgeons-better-map-the-brain](http://www.fastcompany.com/3041931/most-creative-people/new-technology-helps-surgeons-better-map-the-brain)

Becker's Spine Review: Ask a Spine Surgeon
The fate of the independent physician practice: Can it survive & thrive?
February 12, 2015

Neuroscience Grand Rounds: Tenet Healthcare
CME Course/ St Mary's Medical Center
*CSF Shunting: The Stories of Two Men & Normal Pressure
Hydrocephalus.*
April 3, 2015

THE HILL| Congress Blog
Surgeons beating an old foe with a new tool
May 30, 2015
[click here to view](#)

<http://thehill.com/blogs/congress-blog/healthcare/243473-surgeons-beating-an-old-foe-with-a-new-tool>

Social Media Platform: Facebook & Twitter
Delray Medical Center, Advanced Neuroscience Network
www.facebook.com/delraymedicalcenter

Live Chat with Dr Lloyd Zucker : BRAINPATH
July 14, 2015 1:00 pm

WPEC Channel 12/ CBS
DBS Procedure at Delray Medical Center
October 26, 2015

Palm Beach Post
Delray Beach Hospital Offers Breakthrough Parkinson's Treatment
October 30, 2015

Sun Sentinel: Forum
DBS Procedure at Delray Medical Center
Nov 11, 2015

COMMUNITY SERVICE:

American Heritage School, Boca/ Delray
Pre-Medical Curriculum Mentorship Program
2015-current

American Heritage School, Boca/ Delray, 2015
8th grade Medical Professional Forum
A Day in the Life of a Neurosurgeon

American Heritage School, Boca/ Delray, 2014
6th grade Medical Professional Forum
A Day in the Life of a Neurosurgeon

Sunrise Park Elementary School, 2014
5th Grade Science Forum
Brain and Spine Anatomy Made Simple

Coach Soccer: Greater Boca Youth Soccer Association GBYSA – 2010, 2011
Team Sponsor: Greater Boca Youth Soccer Association GBYSA 2013, 2014, 2015

Coach Special Needs TOPS Soccer
Program for young athletes with disabilities/ Autism;
2010-2011, 2011-2012, 2012-2013, 2014-2015

Autism Speaks, lecturer

Literary Consultant for Neurosurgical Content and Accuracy:

The Cutting Edge by Arthur Rosenfeld

Quiet Teacher by Arthur Rosenfeld

A Mystery Series featuring Dr. Xenon Pearl/ Neurosurgeon by Day, Vigilante by Night