

KEYNE KRISTIN JOHNSON-NOWLIN, MD
Diplomat of the American Board of Neurological
Surgeons

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EDUCATION and TRAINING:

6/07-6/08	TEXAS CHILDREN'S HOSPITAL Pediatric Neurosurgery Fellowship	HOUSTON, TX
7/06-6/07	DUKE UNIVERSITY MEDICAL CENTER Neurological Surgery Chief Resident	DURHAM, NC
1/03-6/06	DUKE UNIVERSITY MEDICAL CENTER Neurological Surgery Resident	DURHAM, NC
6/01-12/02	DUKE UNIVERSITY MEDICAL CENTER General Surgery Internship	DURHAM, NC
8/97-5/01	UNIVERSITY of PITTSBURGH SCHOOL of MEDICINE MD degree conferred May 21, 2001.	PITTSBURGH, PA
8/93-4/97	UNIVERSITY of PITTSBURGH BS Neuroscience and Africana Studies with Honors. Degree conferred April 1997.	PITTSBURGH, PA

UNDERGRADUATE THESIS:

"The Effect of TTX on the Endplate Potentials of Xenopus Neuromuscular Junctions"

EXPERIENCES:

03/13-present	Brain and Spine Institute for Children	WINTER PARK, FL
2020-present.	Orthofix Consultant	DALLAS, TX
08/12-present	GLOBUS MEDICAL -Surgical Design Team	AUDUBON, PA
06/17-2020	-STERLING MEDICAL GROUP	WINTER PARK, FL
07/17-2020	GUARDIAN INTERGRATED CARE	WINTER PARK, FL
08/18-2020	-ENCOMPASS INTERGRATIVE	ORLANDO, FL
03/10-2013	Arnold Palmer Hospital for Children Pediatric Neurosurgery	ORLANDO, FL

08/08-present	UNIVERSITY OF CENTRAL FLORIDA SCHOOL OF MEDICINE Assistant Professor	ORLANDO, FL
8/08-3/10	CHILDHOOD NEUROSURGERY AND CENTER FOR HYDROCEPHALUS	ORLANDO, FL
10/07	VAGAL NERVE STIMULATOR CERTIFICATION	HOUSTON, TX
1/07	BALLOON KYPHOPLASTY CERTIFICATION	DURHAM, NC
8/06	cNs 3-D SURGICAL ANATOMY COURSE	ST. LOUIS, MO
2/06-3/06	PEDIATRIC SPINE FELLOWSHIP	SALT LAKE CITY, UT
5/05	DUKE UNIVERSITY MEDICAL CENTER Fukushima's Temporal Bone Workshop	DURHAM, NC
6/03	UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES Annual Peripheral Nerve Surgery Workshop	BETHESDA, MD
6/99-8/99	UNIVERSITY OF PITTSBURGH SCHOOL OF MEDICINE Pediatric oncology research studying The Effect of Neuroblastoma on the Function and Differentiation of Dendritic Cells in Mice (abstract and poster presented at the National Medical Fellowships conference in Hartford, CT and the Minority Trainee research Forum in San Diego, CA, 2000).	PITTSBURGH, PA
1993-1997	UNIVERSITY OF PITTSBURGH Neurobiological research studying The Effect Q/ Various Culture Media Conditions on Endplate Potentials QfXenopus Neuromuscular Junctions.	PITTSBURGH, PA
Summer 1997	MERCK & co. PHARMACEUTICALS Anti-viral therapy targeting Hepatitis C.	WEST POINT, PA
Summer 1996	MERCK & co. PHARMACEUTICALS Biochemical research to purify HIV-I Protease.	WEST POINT, PA
Summer 1995	MINORITY INTERNATIONAL RESEARCH WI TRAINING PROGRAM International epidemiological research studying the prevalence of non-insulin dependent diabetes mellitus among a random sample of the Bajan population.	BARBADOS,
Summer 1994	NIMH PROGRAM Neurobiological research and clinical exposure to mental health.	PITTSBURGH, PA

HONORS, AWARDS AND ACCOMPLISHMENTS:

2012	Certified Diplomat of the American Board of Neurological Surgery
2010	Performed First Lateral Mass and Translaminar Screw Fixation at Arnold Palmer Hospital
2010	Performed First Dural Inversion for Moyamoya at Arnold Palmer Hospital
2010	Performed Scoliosis Correction Procedure Using The Universal Clamp at Arnold Palmer Hospital
2006	Resident Traveling Fellowship Award
2006	Clinical Science Resident Award

2006 Augustus McCravey Resident Award

2001 Certification for Area of Concentration in Underserved Medicine

2001 Healthcare Foundation of New Jersey Humanism in Medicine Student Award

2000 Acres of Diamonds Award (Winner in the National Abstract Competition)

1999 National Medical Fellowships

1998 SNMA Scholarship Award

1998 Powell Rhoe Jones Memorial Scholarship

1997 Carolyn M. Carter Scholarship Award

1997 Graduating Magna Cum Laude

1997 Kuntu Reperatory Theatre Outstanding Member Award

1997 Ambassadors for Christ Outstanding Member Award

1997 Black Action Society Community Outreach Chairperson Award

1997 Africana Studies Departmental Award

1997 Graduating with Honors in Neuroscience

1996 UNCF/Merck Fellowship

1996 Omicron Delta Kappa Honor Society

1995 Minority International Training Program Fellowship

1995 Golden Key Honor Society

1994 Howard Hughes Fellowship

94-97 National Institute of Health Supplemental Minority Research Grant

1994 National Institute of Mental Health Fellowship

93-95 General Motors Scholarship

93-97 Dean's Honor List

93-97 Challenge Scholarship

ABSTRACTS AND PRESENTATIONS:

Neuroblastoma-Derived factors Inhibit dendritic Cell (DC) Generation from CD 34+ hematopoietic Precursors. American Academy of Pediatrics 51st Annual Meeting, October 9-13, 1999, Washington, DC.

Neuroblastoma Inhibits Dendritic Cell Generation and Function In Vivo. National Medical Fellowships Conference, March 9-11, 2000, Hartford, CT.

Neuroblastoma Inhibits Dendritic Cell Function and Maturation In Vivo. Minority Trainee Research Forum Scientific Meeting, March 17-21, 2000, San Diego, CA.

Proper Selection Criteria for Surgical Management of Birth Related Brachial Plexus palsy. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, December 8-11, 2004, San Francisco, CA.

Posterior Fossa Volume in the Myelomeningocele Population: A Novel Observation. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, December 2, 2005, Orlando, FL.

Controversies Surrounding Obstetrical Brachial Plexus Palsy: Who should have Surgery? " Southern Neurosurgical Society Annual Meeting, March 2-5, 2006, Southhampton, Bermuda.

Posterior Fossa Volume in the Myelomeningocele Population: A Novel Observation. Southern Neurosurgical Society Annual Meeting, March 2-5, 2006, Southhampton, Bermuda.

Anterior Interhemispheric Precallosal Trans-Septal Approach for Radical Resection of Suprasellar Craniopharyngiomas: An Operative Nuance. Southern Neurosurgical Society Annual Meeting, March 14-17, 2007, Sea Cloister Island, GA

Minimally Invasive short Segment Fusion Following Trauma in the Aged Spine: A First Time Study. Southern Neurosurgical Society Annual Meeting, March 14-17, 2007, Sea Cloister Island, GA

Cranial Fasciitis: may and When to Consider in the Differential Diagnosis of Benign Skull Lesions. AANS Annual Meeting,, April 26 – May 1, 2008, Chicago, IL

Is Surgical Intervention Beneficial In Patients With Supplententary Sensorimotor Area Seizures Caused By Cortical Dysplasia? AANS/CNS Section on Pediatric Neurological Surgery 37th Annual Meeting. December 2 – 5, 2008. Spokane , WA.

The Effect of MRIs on Programmable Shunts: A Retrospective Study. AANS/CNS Section on Pediatric Neurological Surgely 38 th Annual Meeting. December I – 4, 2009. Boston, MA.

Treatment of Acute Atlanto-Axial Rotatory Subluxation. AANS/CNS Section on Pediatric Neurological Surgery 38 th Annual Meeting. December I – 4, 2009. Boston, MA.

Comparing the motion of a single piece disc arthroplasty design and a ball and socket multiple piece design using dynamic radiography. Society of Brain Mapping and Therapeutics Annual Meeting. July 2021. Los Angeles, CA.

M6-C Artificial Cervical Disc: Long-Term 5-Year IDE Data. Spine Summit Meeting. February 2022. Las Vegas, NV.

Keynote: The Future of Spine Disorders and Innovation. Society of Brain Mapping and Therapeutics Annual Meeting. July 2022. Los Angeles, CA.

PUBLICATIONS:

Karikari I, Johnson K, Lagoo A, George T. Primary Cerebral ALK-I Positive Anaplastic Large Cell Lymphoma in a Child: case report and literature review. *Pediatric Neurosurgery* 43: 2007 .

Johnson K, Kureshi S, George T. Infected Ventriculo-peritoneal Shunts. *Neurosurgical Operative Atlas : Pediatric Neurosurgery Chapter 35*: 2008.

Jea A, Vachhrajani S, Johnson KK, Rutka UT. Corpus callosotomy in children with intractable epilepsy using frameless stereotactic neuronavigation: 12 -year experience at The Hospital for Sick Children in Toronto. *Neurosurg Focus* 25: September 2008 .

Johnson KK, Dannenbaum MJ, Bhattacharjee MB, Miller A, Dauser RC, Whitehead WE, Jea A, Luerksen TG. Diagnosing cranial fasciitis based on distinguishing radiological features. *J Neurosurgery Pediatrics* 2: November 2008.

Fox BD, Nayar VV, Johnson KK, Jea A, Curry D, Luerksen TG, Whitehead WE . Routine imaging in patients with ventriculo-pleural shunts: lessons learned from a case of tension hydrothorax. *J Neurosurgery Pediatrics* 2 : December 2008.

Jea A, Johnson KK, Whitehead WE, Luerksen TG- Trans laminar screw fixation in the subaxial pediatric cervical spine. *J Neurosurg Pediatr.* 2: December 2008.

Fahim DK, Johnson KK, Whitehead WE, Curry DJ, Luerksen TG, Jea A. Periosteal chondroma of the pediatric cervical spine. *J Neurosurg Pediatr.* 3: February 2009.

Amhaz HH, Fox BD, Johnson KK, Whitehead WE, Curry DJ , Luerksen TG, Jea A. Post laminoplasty kyphotic deformity in the thoracic spine: case report and review of the literature. *Pediatr Neurosurgery* 45: March 2009.

Chamoun RB, Relyea KM, Johnson KK, Whitehead WE, Curry DJ, Luerksen TG, Drake JM, Jea A. Use of axial and subaxial trans laminar screw fixation in the management of upper cervical spinal instability in a series of 7 children. *Neurosurgery* 64: April 2009.

Viswanathan A, Johnson K, Whitehead W, Curry D, Luerksen T, Jea A. Hybrid Spinal Constructs Using Sublaminar Polyester Bands in Posterior Instrumented Fusions in Children: A Series of 5 Cases. *Neurosurgery* 66: May 2010

CLINICAL INTERESTS:

Neuro-Oncology, Epilepsy, Pediatric Spine including Scoliosis, and Vascular lesions

RESEARCH INTERESTS:

3D Printing for Spine Technology

PROFESSIONAL AFFILIATIONS:

Florida Medical Society

American Association of Neurological Surgeons

Congress of Neurological Surgeons

AANS/CNS Section on Pediatric Neurosurgery

AANS/CNS Section on Tumors

AANS/CNS Section on spine

Society of Brain Mapping and Therapeutics

American Medical Association

Central Florida Medical Society

Ronald McDonald House Charities of Central Florida Board Member