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Director: Virella Neurosurgery

(805) 449-0088 (O)
(805) 449-0046 (F)

Education:

M.D, 1996, Columbia University, College of Physicians and Surgeons
New York, New York, 10032

B.A, 1991, Hofstra University, New College of Liberal Arts and Sciences
Hempstead, New York, 11550

Residency:

Surgical Internship, 6/96-7/97

Hospital of the University of Pennsylvania
Philadelphia, Pennsylvania, 19104

Neurosurgery Residency, 7/97-06/04

7/97-12/99
Hospital of the University of Pennsylvania
Philadelphia, Pennsylvania, 19104
(relocated to Los Angeles due to wife's employment)

01/00-06/04
University of California, Los Angeles
Los Angeles, California, 90095

Fellowships-Spinal Neurosurgery

7/03-11/03

Resident Fellow in Complex Spine Surgery
Dr. Edward C. Benzel, MD
Cleveland Clinic Foundation
Cleveland, Ohio

7/04-12/04
Fellowship in Complex and Minimally Invasive Spine Surgery
Dr. Larry T. Khoo, MD
UCLA Comprehensive Spine Center
Los Angeles, California

Hospital Appointments

4/05-06/07
Director of Neurosurgery
Ventura County Medical Center
Ventura, California 93003

4/06-present
Staff Neurosurgeon
Los Robles Hospital and Medical Center
Thousand Oaks, CA

4/06-present
Staff Neurosurgeon
Simi Valley Hospital
Simi Valley, CA

11/06-present
Staff Neurosurgeon
Thousand Oaks Surgical Hospital
Thousand Oaks, CA

2016-present
Staff Neurosurgeon
Ridge Surgical Center
Agoura Hills, CA

Publications:

Marcotte PJ, Virella AA. Lumbar Spinal Stenosis: Treatment Options and Results, *Seminars in Neurosurgery* (11) 2: pp 231-244

Durkin M, Olsen S, Barlow B, **Virella A.A.**, Connelly E.S. The epidemiology of urban pediatric neurological trauma: evaluation of, and implications for injury prevention programs, *Neurosurgery* (42) 2:pp. 300-10.

Boockvar JA, **Virella A.A.**, Kotapka M, Flamm ES, Grady MS. Neurosurgery at the University of Pennsylvania Medical Center. *Neurosurgery* (46) 5:pp 1223-1228

Virella, AA, Naresh P. Patel, J.P Johnson, Spinal surgery in nonagenarians: Review of the literature and report of 4 cases. Submitted.

Virella AA, Galarza M, Masterman-Smith, Lemus R, Lazareff JA. Distal slit valve and clinically relevant CSF overdrainage in children with hydrocephalus. *Childs Nerv Syst* 2002 Feb; 18 (1) 15-8.

Khoo LT, **Virella AA**, Mikawa K, Fessler RG, A Surgical Revisitation of Pott's Distemper of the Spine, *The Spine Journal*, Feb 2003

Patents:

Totakura N, Muth R, Bennett S, **Virella, A.A.**, Hermes M, Kaplan D. Polydioxanone cardiovascular suture pledgets, 1991. United States Surgical Corporation, Norwalk, Connecticut.

Book Chapters:

Sutton, L.N., Poffenberger J, **Virella, A.A.**, Brain Abscess: In *Textbook of Neurosurgery* 2002. Edited by Batjer, H, and Loftus, C: Chapter 77.

Endoscopic Surgical Equipment: Larry T. Khoo, MD, **Anthony Virella, MD**. Vaccarro et al.

Anthony Virella, MD · Larry T. Khoo, MD, *Complications of Minimally Invasive Spinal Procedures and Surgery: Percutaneous and Intradiscal Techniques*. Vaccarro et al.

Complications of Minimally Invasive Spinal Surgery: Part I: Cervical and Posterior Lumbar Spine. *Larry T. Khoo, MD Anthony Virella, MD*

Complications of Minimally Invasive Spinal Surgery: Part II: Thoracoscopy *John J. Regan, MD Neel Anand, MD Larry T. Khoo, MD Anthony Virella, MD Michael A. Pahl, BS Alexander R. Vaccaro, MD*

Complications of Minimally Invasive Spinal Surgery: Part III: Laparoscopy *John J. Regan, MD Neel Anand, MD Larry T. Khoo, MD Anthony Virella, MD Michael A. Pahl, BS, Alexander R. Vaccaro, MD*

Complications of Minimally Invasive Spinal Procedures and Surgery: Part IV: Percutaneous and Intradiscal Technique, *Anthony T. Yeung, MD Martin H. Savitz, MD, FACS, FICS, FRCS Larry T. Khoo, MD, Anthony Virella, MD Michael A. Pahl, BS, Alexander R. Vaccaro, MD*

Spine Surgery: Techniques, Complication Avoidance and Management, Edward C. Benzel, MD Chapter 126, Laminoplasty: French Door, **Anthony A. Virella, MD** and Edward C. Benzel, M.D.

Abstracts/Presentations:

Neurosurgical Critical Care: An Overview., June 24, 1999, Residents Conference.

Liver Tumors and Benign Cysts: June 1997, General Surgery Saturday Morning Conference
Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania.

Epidemiology of pediatric head injury in low income, inner city neighborhoods, Grand Rounds,
Neurological Institute of New York, Columbia University, May 1996.

Virella AA, Patel N, Johnson JP. Spinal Surgery in Nonagenarians: Initial Clinical Experience.
Lende Neurosurgery Conference, Salt Lake City, UT February 2001

Patel N, Wright N, **Virella AA**, Johnson JP. MRI and Traumatic Spondylolisthesis of the Axis:
American Association of Neurological Surgeons-Joint Section on Disorders of the Peripheral
Nerves and Spine, Phoenix, AZ, February 2001

Patel N, Wright N, **Virella AA**, Johnson JP. MRI and the Management of Unstable Hangman's
Fractures: American Association of Neurological Surgeons, Toronto, Canada, April 2001

Virella AA, Forage J, Cabatan-Awang C, Wallace R, Solberg T, Selch M, DeSalles AF.
Stereotactic Radiosurgery of the Sphenopalatine Ganglion 5th Annual International Stereotactic
Radiosurgery Society Congress. Las Vegas , Nevada, June 2001

Patel N, Wright N, **Virella AA**, Johnson JP. MRI and the Management of Unstable Hangman's
Fractures: Congress of Neurological Surgeons, San Diego, California, October 2001. Poster

Virella AA, Lazareff J Does the Use of the Distal Slit valve increase the incidence of
overdrainage and the slit ventricle syndrome? The UCLA experience. Congress of Neurological
Surgeons, San Diego, California, October 2001. Oral Presentation

Frighetto L, DeSalles AAF, Smith Z, **Virella AA**, Pedroso A, Behnke E, Bentson J. Image Guided
Frameless Stereotactic Cavernous Sinus Biopsy. American Association of Neurological Surgeons,
Chicago, IL 2002. Poster

Virella AA, Counelis GJ, Duckweiler G, Vinuela F, Gobin P, Martin NA, Management of
Petrotentorial AVMs, *Congress of Neurological Surgeons*, Philadelphia, Pennsylvania. Poster
Presentation. 2nd place best poster award CNS Cerebrovascular section.

Virella AA, Forage JS, Frighetto L, Solberg T, Selch M, Desalles AF, Stereotactic Radiosurgery of
the Sphenopalantine Ganglia, *Congress of Neurological Surgeons*, Philadelphia, Pennsylvania.
Poster Presentation.

Khoo LT, **Virella AA**. Minimally invasive pedicle instrumentation: Superiority of EMG
Stimulation over fluoroscopy in detecting cortical violations. *Spine Across the Sea*. Maui, HI 2003
Oral Presentation

L Frighetto, M.D., A.A.F. De Salles, MD, PhD Zachary A. Smith, B.A. **Virella**,
M.D. Alessandra G. Pedroso, Erick Behnke, B.S. John Bentson, M.D Guided Frameless
Stereotactic Cavernous Sinus Biopsy American Association of Neurological Surgeons, May
2002. Poster.

Khoo LT, **Virella AA**, Gravori. Anatomic validation of spinal screw instrumentation utilizing
intraoperative three-dimensional CT image-guidance American Association of Neurological
Surgeons, May 2004. Oral Presentation.

Larry Khoo, MD, **Anthony A. Virella, MD**, Javier Garcia-Bengochea, MD, Ali Araghi, MD
University of Los Angeles California, Los Angeles, CA; Lyerly Neurosurgical Group,
Jacksonville, FL; Texas Back Institute, Phoenix, AZ
Minimally invasive segmental multilevel fixation of the lumbar spine: a multicenter prospective surgical experience. AANS 2004

Larry Khoo, MD, **Anthony A. Virella, MD**, Javier Garcia-Bengochea, MD, Richard Holt³,
Mohammad Majd⁴, Mark Spoonamore, MD⁵, Ali Aragi, MD^{6*}
¹University of California Los Angeles, Los Angeles, CA; ²Lyerly
Neurosurgical Group, Jacksonville, FL; ³Spine Surgery PSC, Louisville, KY;
⁴Spine Surgery, PSC, Louisville, KY; ⁵USC Center for Spinal Surgery, CA;
⁶Texas Back Institute, Phoenix, AZ A novel minimally invasive pedicle
screw instrumentation for spinal fixation a multicenter experience. AANS
2004

Anthony A. Virella, MD, Larry T. Khoo, MD, , Tooraj Gravori, MD,
Odebukula Onibukon, MD, UCLA Los Angeles, California
Minimally invasive transforaminal interbody fusion with percutaneous
instrumentation: A prospective comparison of surgical accuracy, functional
and fusion outcomes in 32 patients versus open controls. AANS 2004

Honors and Awards:

Best Poster 2nd place CNS Cerebrovascular Section, CNS Annual Meeting 2002, Philadelphia PA
National Medical Fellowship Award, Columbia University College of Physicians and Surgeons
1992-1994.
Deans Award for excellence in Chemistry, Hofstra University, New College, 1990.

Workshops/Professional Courses:

AFIP Neuropathology Review Course, Bethesda, MD 2003
The Chicago Review Course in Neurosurgery, Hotel Intercontinental, Chicago, IL 2003
1st Annual Residents Workshop, North American Skull Base Society, Medical Education and
Research Institute, Memphis, Tennessee. July 18-21, 2002
Clinical Instructor: Cleveland Clinic Spine Review, Cleveland, Ohio August 2003
Faculty, AANS Goodman Oral Board Review Course, Houston, TX May 2011

Memberships:

American Association of Neurological Surgeons, Active Member
Congress of Neurological Surgeons, Active Member
California Neurosurgical Society
Pennsylvania Neurosurgical Society
Joint Section of Spine and Peripheral Nerve Surgery, Active Member

Joint Section on Brain Tumors, Active Member
Fellow, American College of Surgeons
Board Certified, American Board of Neurological Surgery: May 2010, recertified 2020

Medical Licensure:

CA-A72225
AZ- 32542
PA- MD066258-L (inactive)
OH-Training Certificate
DEA: number available upon request
USMLE Parts I, II, III: Passed.

Hobbies: Racecar driving, travel, skiing, fitness training.