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Luis A. Mignucci, M.D.

Personal

Born January 13, 1959 in Ponce, Puerto Rico
Fluent in English and Spanish

Surgical Specialties

Brain and Spinal Cord Tumors
Craniovertebral Junction Anomalies
Peripheral Nerve Surgery
Surgical needs associated with Brain and Spinal Cord Trauma
Vascular Anomalies of the Brain
Surgical Treatment of Adult Spine Disorders – including microsurgery
and spinal fusions
Artificial Cervical Disc Replacement
Artificial Lumbar Disc Replacement

Board Certifications

American Board of Spine Surgery, December, 1999
Diplomate American Board of Neurological Surgery, November 11, 1993
Diplomate National Board of Medical Examiners, July 2, 1984

Practice Experience

Luis A. Mignucci, M.D., P.A..
NeuroSpine Surgical Consultants
Plano, Texas 75093
July 1, 2001 – Present

OrthoNeuro Consultants, P.A.
Dallas, Texas 75230
March 1995-June 2001

CNS Associates of Texas, P.A.
Dallas, Texas
January 1993 – February 1995 (merged with Orthopedic Consultants to
form OrthoNeuro Consultants, P.A.)

North Dallas Neurosurgical Associates
Dallas, Texas
July 1990 – March 1992

Professional and Teaching Appointments

Chief Resident of Neurosurgery Residency Program
University of Puerto Rico School of Medicine
San Juan, Puerto Rico
July 1988 – June 1989

Clinical Assistant Professor of Neurological Surgery
University of Texas Southwestern Medical Center
Dallas, Texas
1990 – Present

Consulting Neurological Surgeon
Veterans Administration Hospital
Dallas, Texas
1991 - Present

**Professional
Memberships**

American Association of Neurological Surgeons
American Medical Association
Congress of Neurological Surgeons
Dallas County Medical Society
North American Spine Society
Texas Association of Neurological Surgeons
Texas Medical Association
Texas Medical Foundation

**Hospital
Affiliations**

Medical Center of Plano
Plano, Texas
Active

Presbyterian Hospital of Plano
Plano, Texas
Active

Baylor Medical Centre at Frisco
Frisco, Texas
Active

Baylor Regional Medical Center at Plano
Plano, Texas
Interim

Centennial Medical Centre
Frisco, Texas
Active

Parkland Memorial Hospital
Dallas, Texas
Consultant

UT Southwestern Medical Centre
Dallas, Texas
Consultant

Dallas Veterans Affairs Medical Centre
Dallas, Texas
Consultant

Zale-Lipsky University Hospital
Dallas, Texas
Consultant

Publications

The Spine, Rothmans & Simmeone
"The Differential Diagnosis of Sciatica", Luis A. Mignucci, MD and
Gordon Bell, MD
W.B. Saunders Publishing Company, Second Edition 1992

The Spine, Rothmans & Simmeone

“The Differential Diagnosis of Sciatica”, Luis A. Mignucci, MD and Gordon Bell, MD
W.B. Saunders Publishing Company, Chapter Revision 1997

**Conferences,
Courses, and
Presentations**

“Infections of the Spine” – 1 hour course presented to spine surgeons at the Texas Back Institute 1990

Hands-On Course for Cervical Posterior Plate Fusion – 4 hour course on cervical fusion techniques, April 1992

“Anatomy of the Spine”, “Disorders of the Spinal Cord”, and “Surgical Treatment of Myelopathies” – 3 hour conference at Dallas Rehabilitation Institute, August 11, 1992

“Disorders of the Spine” – 1 hour conference – Department of Labor, October 8, 1992

“Management of Nerve and Spinal Cord Injuries” – Lecture presented to Emergency Room physicians at Medical Center of Plano, July 1995

“Emergency Room Management of Spine and Spinal Cord Trauma” – Lecture presented to Emergency Room physicians at Medical Center of Plano, August 1995

“Management of Spinal Trauma” – Lecture presented to Neurology/Neurosurgery Department at Medical City Dallas, September 1995

“Radiological Aspects of Spine/Spinal Cord Trauma” – Lecture presented to Radiological Technicians at Medical City Dallas, February 1996

“Spinal Cord Anatomy and Surgical Management of Myelopathies” – 2.5 hour lecture presented to the Association of Operating Room Nurses at Presbyterian Hospital of Plano, November 2, 1996

Second Symposium on Spinal Column Surgery, S.P.O.T. Wyndam Palmas Del Mar Resort, June 5-7, 1998

“Functional and Radiological Outcomes after Anterior Lumbar Interbody Fusion (ALIF) using Threaded Cortical Bone Dowels” by Luis A. Mignucci, MD and Pamela A. Ahmed, PA-C. Presented at the 1999 annual Meeting of the Congress of Neurological Surgeons, October 31-November 4, 1999 in Boston, MA.

SSAF Global Spine Conference; Served as Faculty for Medtronic Sofamor Danek, Maui, Hawaii, June 15-17, 2001

Cleveland Spine Review Course; Presented by the Cleveland Clinic Foundation, Cleveland, Ohio May 4-8, 2002. Served as Neurosurgery Faculty for the course.

American Association of Neurological Surgeons, - Conference in San Diego, California April 26-May 1, 2003
“Advances in Spine Technology – The Bryan® Cervical Disc

Replacement” – Presentation given at the Westin Rio Mar, Puerto Rico, May 30, 2003

Cleveland Spine Review – Hands On 2003 Presented by the Cleveland Clinic Foundation, Cleveland, Ohio. August 14-20, 2003. Served as Neurosurgery Faculty for the course.

“Cervical Arthroplasty - Bryan™ Cervical Disc Replacement” – Presentation given to Amarillo Neuroscience Group. Amarillo, Texas. January 18th, 2005

Research

“Prevention of Deep Venous Thrombosis following Spinal Surgery”, Luis A. Mignucci, MD, Gordon Bell, MD, Frank Boumphrey, MD, Robert Graor, MD, Cynthia Tamborello, RN, Susan De Anna, RN, Cleveland Clinic Foundation. Presented at **The International Society for the Study of the Lumbar Spine** in Heidelberg, Germany, May 1991

“Incidence and Prophylaxis of Deep Venous Thrombosis in Decompressive Spinal Surgery”, Luis A. Mignucci, MD, Gordon Bell, MD, Frank Boumphrey, MD, Cynthia Tamborello, RN, Susan De Anna, RN, Marion Piedmonts, MA, Cleveland Clinic Foundation, North Dallas Neurosurgical Association Center for the Spine. Poster presentation the Joint Section on Disorders of the Spine and Peripheral Nerves/AANS, Miami, Florida, February 1992

- With Deborah Schaad, RN and Robert Graor, MD, submitted for the Nicolas Andry Award – Association of Joint and Bone Surgeons, November 1992
- Presented at the 8th Annual Meeting of the north American Spine Society, San Diego, California, October 1993

STATUS™ Outcomes Assessment System for Low Back Surgical Outcomes – Threaded Bone Dowel Project. **Clinical investigator** in a clinical trial for Threaded Bone Dowels used in lumbar spinal fusion. 1996-1998.

Osteofil™ - Posterior Lumbar Transverse Process Fusion 2 (PLTPF2) – Outcome Assessment. **Clinical investigator** in a clinical trial designed “to assist in supporting and reporting prospective, nonrandomized studies that measure and compare surgical outcomes of patients with implants of local bone mixed with Osteofil™ bone paste or using autogenous iliac crest bone graft only.” February 1999-2002

RhBP-2/ACS/Allograft Bone Dowel Pivotal Clinical Trial. **Clinical investigator** for a clinical trial to report results of “a prospective, randomized investigation of Recombinant Human Bone Morphogenetic Protein -2 and absorbable collagen sponge with allograft Bone Dowel for anterior lumbar interbody fusion in patients with symptomatic degenerative disc disease”. August 2000-2002

Pivotal IDE Study of the Bryan™ Cervical Disc Prosthesis in the Treatment of Degenerative Disc Disease. **Clinical investigator** for FDA trial study on “the safety and effectiveness of the Bryan™ Cervical Disc prosthesis in treating single level degenerative disc disease of the cervical spine using prospective, randomized, multi-center clinical

study". November 2002-present.

Pivotal IDE Study of the Flexicore™ Lumbar Disc Prosthesis in the Treatment of Degenerative Disc Disease. **Clinical investigator** for FDA trial study on "compare the safety and effectiveness of the FlexiCore™ Intervertebral Disc to circumferential spinal fusion surgery in the treatment of discogenic pain unresponsive to conservative treatment associated with degenerative disc disease (DDD) at a single level in the lumbosacral spine (L1-S1)" January 2004 – present.

Pivotal IDE Study of the DIAM™ Spinal Stabilization System for Treatment of Single-Level Lumbar Degenerative Disc Disease, April 2008 – present.

Education

- 1973-1976 Dr. Pila High School
Ponce, Puerto Rico
High School Studies
- 1976-1979 University of Puerto Rico at Mayaguez
San Juan, Puerto Rico
Pre-Medical College Education
- 1979-1983 University of Puerto Rico School of Medicine
San Juan, Puerto Rico
M.D. Degree, June 3, 1983

Baylor School of Medicine
Houston, Texas
Neurosurgery Elective, October, 1982
- 1983-1984 University of Puerto Rico Affiliated Hospitals,
Department of Surgery
San Juan, Puerto Rico
Chairman: Enrique Vazquez Quintana, MD
Surgical Internship
- 1984-1989 University of Puerto Rico School of Medicine
Affiliated Hospitals, Department of Neurological
Surgery
San Juan, Puerto Rico
Chairman: Nathan Rifkinson, MD
Neurosurgery Residency

University of London National Hospital for
Nervous Diseases, Institute for Neurology
Queen Square, London
Neurology Rotation, October-December, 1986

Universitatsspital Zurich
Neurochirurgische Klinik
Zurich, Switzerland
Professor: M.D.G. Yasargil

Visiting Neurosurgery Resident

1 Week – November, 1986

- 1989-1990 The Cleveland Clinic Foundation
The Center for the Spine
Cleveland, Ohio
Orthopedic Director: Gordan Bell, MD
Neurosurgery Director: Iain Kalfas, MD
Spinal Surgery Fellowship

Fellowship training included: Combined service between Orthopedic and Neurological surgery. Extensive experience in spinal instrumentation and fusions in all spinal segments and levels, including: Cotrel Dubousset, Harrington Rods, Edwards Instruments, Anterior Cervical Plates, Posterior Cervical Plates, Songer Wires, Lugee Rods, Pedicle Screws, Halifax Clamps, and others: Experience in posterior approaches to the spine, including: odontoid, cervical, thoracic, lumbar and sacral regions; Experience in anterior, anterolateral, posterolateral, and lateral approaches; Experience in transthoracic thoracoscopic approached for surgery of the spine.