



Patrick Brennan, DO

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Work History:

Larkin Community Hospital-Miami, FL

- Fellowship: Pain Management (July 2017-June 2018)
 - Chief Fellow
 - Organize and lead didactic and journal club sessions.
 - Work with medical product representatives to set up educational workshops.
 - Pain Management Procedural Training: (**Miami Neurosurgical Center**-South Miami, FL; **West Palm Beach Veterans Affairs Medical Center**-West Palm Beach, FL)
 - Facet Injection (Cervical / Lumbar)
 - Sacroiliac Joint Injection
 - Diagnostic Medial Branch Block
 - Radiofrequency Treatment of Medial Branch / Lateral Branch Nerves
 - Lumbar Epidural Steroid Injection (Transforaminal / Interlaminar)
 - Cervical Epidural Steroid Injection (Interlaminar)
 - Caudal Epidural Steroid Injection
 - Lumbar Sympathetic Block
 - Stellate Ganglion Block
 - Spinal Cord Stimulator (Trail / Permanent Implant)
 - Vertebroplasty / Kyphoplasty / Sacroplasty
 - Joint Injection
 - Peripheral Nerve Block
 - Platelet-Rich Plasma (PRP) Injection
 - Botox Migraine Protocol
 - EMG/NCV

Integrative Spine and Sports-Fort Lauderdale, FL (2017)

- Moonlighting job during Pain Management Fellowship: Provided coverage for this practice when the owning physician was unavailable

Larkin Community Hospital-Miami, FL

- Residency: Physical Medicine and Rehabilitation (July 2014-June 2017)

Larkin Community Hospital-Miami, FL

- Intern year of Residency (July 2013-June 2014)

Keystone Community Resources-Scranton, PA

- Resident Aide (October 2007-May 2009)
- Worked with residents with mental disabilities like Down syndrome, Prader-Willi syndrome, and autism spectrum disorders.

Mountain View Care Center-Scranton, PA

- Certified Nurse Aide (September 2005-August 2007)
- Cared for residents by assisting them with feeding, dressing, transferring, toileting, and showering.
- Assisted nurses when they provided treatments such as wound care.

Department of Agriculture, Lewis and Clark National Forest-Choteau, MT

- Forest Fire Fighter (May 2003-August 2003)
- Suppressed forest fires on and off of the district
- Maintained the forest in the absence of fire by cutting down hazardous trees, spraying weeds, monitoring the district

Education:**Larkin Community Hospital-Miami, FL**

- Fellowship: Pain Management: July 2017-June 2018

Larkin Community Hospital-Miami, FL

- Residency: Physical Medicine and Rehabilitation: July 2014-June 2017

Larkin Community Hospital-Miami, FL

- Intern year of Residency: July 2013-June 2014

Lake Erie College of Osteopathic Medicine (LECOM)-Bradenton, FL

- June 2009-May 2013
- Obtained D.O. degree May 2013

University of Scranton-Scranton, PA

- Non-degree, Post-baccalaureate Program: Pre-Medical (2004-2006)
- Cumulative Post-baccalaureate GPA: 3.70
- Dean's List (2004-2006)

University of Scranton-Scranton, PA

- Undergraduate Degree: B.S. Finance (1999-2004)

Research:

- ❖ **Bilateral Peripheral Nerve Field Stimulation for Intractable Coccygeal Pain: A Case Study Using Dual Lead Intercommunication**
Michelle Granville, MD; Patrick T. Brennan, DO; Robert E. Jacobson, MD
 - Two spinal cord stimulator leads implanted peripherally along the sacrum to treat a case of intractable coccydynia
 - Intercommunication between the leads was utilized for maximal coverage
 - Published in *Cureus Journal of Medical Science*; November 9 2017
➤ DOI: 10.7759/cureus.1832
- ❖ **Rehabilitation Outcomes for Total Knee Arthroplasties: Continuous Adductor Canal Block vs. Continuous Femoral Nerve Block** Patrick T. Brennan, DO; Jesus Villa, MD; Mark Rossi, PhD; Marcos Sanchez-Gonzalez, MD, PhD; Carlos J. Lavernia, MD
 - 246 patient retrospective study
 - Published in **Geriatric Orthopaedic Surgery & Rehabilitation**; Volume 9: 1-7, March 19, 2018
➤ DOI: 10.1177/2151458518756190
- ❖ **Post Treatment Lyme Disease Syndrome: Time for Treatment Guidelines? -Case Study**
Patrick T. Brennan, DO; Ali S. Malik, DO; Darin Bush, DO
Conferences Presented:
 - **Consortium for Excellence in Medical Education (CEME)**
➤ Nova Southeastern University College of Osteopathic Medicine
Medical research poster competition
Presented: Post Treatment Lyme Disease Syndrome- Case Study (November 14, 2014, Fort Lauderdale, FL)
 - **Florida Osteopathic Medical Association (FOMA)**
➤ Annual Convention
Presented: Post Treatment Lyme Disease Syndrome- Case Study (February 17-21, 2015, Weston, FL)
 - **American Osteopathic College of Physical Medicine and Rehabilitation (AOCPMR)**
➤ Annual Mid-Year Meeting and Scientific Seminar
Presented: Post Treatment Lyme Disease Syndrome- Case Study (March 19-22, 2015, San Antonio, TX)

Presentations:

Spinal Stenosis

- Date: 3/12/18
- Location: Larkin Community Hospital (LCH)
- Audience: LCH Pain Management Fellowship Program

Patient-Controlled Analgesia / Intrathecal Opioid Injections for Postoperative Pain / Epidural Opioids for Postoperative Pain

- Date: 1/18/18
- Location: Larkin Community Hospital (LCH)
- Audience: LCH Pain Management Fellowship Program

Bilateral Peripheral Nerve Field Stimulation for Intractable Coccygeal Pain: A Case Study Using Dual Lead Intercommunication

- ✓ Two spinal cord stimulator leads implanted peripherally along the sacrum to treat a case of intractable coccydynia
- ✓ Intercommunication between the leads was utilized for maximal coverage
- Date: 11/29/17
- Location: Larkin Community Hospital (LCH)
- Audience: LCH Pain Management Fellowship Program

Legal and Regulatory Issues in Pain Management / Psychopharmacology for Pain Medicine / Membrane Stabilizers

- Date: 10/5/17
- Location: Larkin Community Hospital (LCH)
- Audience: LCH Pain Management Fellowship Program

Anatomy and Physiology of Somatosensory and Pain Processing / Neurochemistry of Somatosensory and Pain Processing / Definition of Pain Terms and Chronic Pain Syndromes

- Date: 7/13/17
- Location: Larkin Community Hospital (LCH)
- Audience: LCH Pain Management Fellowship Program

Rehabilitation Outcomes for Total Knee Arthroplasties: Continuous Adductor Canal Block vs. Continuous Femoral Nerve Block

- ✓ 246 patient retrospective study
- Date: June 6, 2016
- Location: Nova Southeastern University, Fort Lauderdale, FL
- **Larkin Community Hospital Annual Research Day**
- Audience: LCH PM&R Residency Program
- 3rd Place Award

Electrical Stimulation

- Date:5/18/15
- Location: Larkin Community Hospital (LCH)
- Audience: LCH PM&R Residency Program

Osteoporosis

- Date:5/4/15
- Location: Larkin Community Hospital (LCH)
- Audience: LCH PM&R Residency Program

Pediatric Spinal Cord Rehabilitation

- Date:4/16/15
- Location: Larkin Community Hospital (LCH)
- Audience: LCH PM&R Residency Program

Cardiac Rehabilitation

- Date:4/6/15
- Location: Larkin Community Hospital (LCH)
- Audience: LCH PM&R Residency Program

Post Treatment Lyme Disease Syndrome-Case Study

- Date:3/21/15
- Location: San Antonio, TX
 - Audience: **American Osteopathic College of Physical Medicine and Rehabilitation (AOCPMR)**
 - Annual Mid-Year Meeting and Scientific Seminar

Post Treatment Lyme Disease Syndrome-Case Study

- Date:2/20/15
- Location: Weston, FL
 - Audience: **Florida Osteopathic Medical Association (FOMA)**
 - Annual Convention

Peripheral Joint and Soft Tissue Injection Techniques

- Date:2/9/15
- Location: Larkin Community Hospital (LCH)
- Audience: LCH PM&R Residency Program

Employment of Persons with Disabilities

- Date:1/5/15
- Location: Larkin Community Hospital (LCH)
- Audience: LCH PM&R Residency Program

Lower Limb Orthotics

- Date:12/29/15
- Location: Larkin Community Hospital (LCH)
- Audience: LCH PM&R Residency Program

Post Treatment Lyme Disease Syndrome-Case Study

- Date:11/14/14
- Location: Nova Southeastern University, Fort Lauderdale, FL
 - Audience: **Consortium for Excellence in Medical Education (CEME)**
 - Nova Southeastern University College of Osteopathic Medicine Medical research poster competition

Traumatic Brain Injury: Inpatient Rehabilitation

- Date:10/14/14
- Location: Larkin Community Hospital (LCH)
- Audience: LCH PM&R Residency Program

Post Treatment Lyme Disease Syndrome-Case Study

- Date:10/6/14
- Location: Larkin Community Hospital (LCH)
- Audience: LCH PM&R Residency Program

Spinal Cord Injury

- Date:9/2/14
- Location: Nova Southeastern University
- Audience: LCH PM&R Residency Program

Neurogenic communication disorders

- Date:8/4/14
- Location: Larkin Community Hospital (LCH)
- Audience: LCH PM&R Residency Program

**Volunteer Work
And Organization**

Membership:

Organizations:

- **Florida Osteopathic Medical Association (2009-Present)**
- **Florida Society of Physical Medicine and Rehabilitation (2013-Present)**
- **Pennsylvania Osteopathic Medical Association (2009-2013)**
- **American Osteopathic Association (2009-Present)**
- **LECOM PM&R Club (2011-2013)**
- **American Osteopathic College of Physical Medicine and Rehabilitation (2011-Present)**
 - Position: Bylaws Executor of Resident Council (March 2015-March 2016)
Responsibilities include: Editing and updating the organizations bylaws and attending monthly phone conference for organizational event planning
 - Position: Southeast Regional Representative (April 2016-May 2017)
Responsibilities include: Attending monthly phone conference and organizational event planning in the southeast region
- **American Academy of Physical Medicine and Rehabilitation (2011-Present)**

Volunteer:

- **LECOM Big Sib Program-Bradenton, FL**
 - Served as a mentor to a first-year medical student at LECOM (June 2010-June2011)
- **AHEC Tobacco Training and Cessation (A.T.T.A.C.)-Bradenton, FL**
 - Presented local students with information about the dangers of smoking (January 2010)
- **Community Medical Center-Scranton, PA**
 - Emergency Room Volunteer (March 2006-June 2006)
- **Abington Youth Soccer League-Scranton, PA**
 - Assistant Coach (February March 2006-August 2006)

Conferences/Workshop Courses:

- **American Osteopathic College of Physical Medicine and Rehabilitation (AOCPMR)**
 - Annual Mid-Year Meeting and Scientific Seminar (May 4-7, 2017, Hollywood Beach, FL)
Resident Council Member

- **American Osteopathic College of Physical Medicine and Rehabilitation (AOCPMR)**
 - Annual Mid-Year Meeting and Scientific Seminar (March 17-20, 2016, Philadelphia, PA)
Resident Council Member
- **American Osteopathic College of Physical Medicine and Rehabilitation (AOCPMR)**
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- **Society for Pain Practice Management (SPPM)**
 - Hands-On Interventional Pain Management Cadaver Course
Using Fluoroscopic Guidance and Ultrasound Guidance (September 20-21, 2014, Chicago, IL)

Certifications:

- **American Osteopathic Board of Physical Medicine and Rehabilitation**
 - **Board Eligible**
 - **Written Examination (Part 1): Passed (March 2017)**
 - **Oral Examination (Part 2): Eligible to take (October 2018)**
- **American Osteopathic Board of Pain Medicine**
 - **Board Eligible**
 - **Eligible to take this board examination after completion of current AOA accredited Pain Management Fellowship (6/30/18)**
- **National Provider Identifier#**
 - 1972921617
- **Florida Department of Health Medical License #**
 - OS13955
- **Commonwealth of Virginia Department of Health Professions Medical License #**
 - 0102204582
- **DEA Registration #**
 - Current
- **Buprenorphine provider for opioid use disorder (30 patient waiver)**
 - Current
- **BLS/ACLS/PALS**
 - Current through 4/2019

Pain Management Procedural Training:

- **Facet Injection (Cervical / Lumbar)**
- **Sacroiliac Joint Injection**
- **Diagnostic Medial Branch Block**
- **Radiofrequency Treatment of Medial Branch / Lateral Branch Nerves**
- **Lumbar Epidural Steroid Injection (Transforaminal / Interlaminar)**
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