

## Truth in Testimony Disclosure Form

In accordance with Rule XI, clause 2(g)(5)\*, of the *Rules of the House of Representatives*, witnesses are asked to disclose the following information. Please complete this form electronically by filling in the provided blanks.

Committee: House Committee on Small Business

Subcommittee: \_\_\_\_\_

Hearing Date: September 11, 2019

Hearing Subject:

Witness Name: David Walega, MD

Position/Title: Chief, Section of Pain Medicine, Northwestern University Feinberg School of Medicine

Witness Type:  Governmental  Non-governmental

Are you representing yourself or an organization?  Self  Organization

If you are representing an organization, please list what entity or entities you are representing:

American Society of Anesthesiologists, American Medical Association Opioid Task Force

If you are a **non-governmental witness**, please list any federal grants or contracts (including subgrants or subcontracts) related to the hearing's subject matter that you or the organization(s) you represent at this hearing received in the current calendar year and previous two calendar years. Include the source and amount of each grant or contract. *If necessary, attach additional sheet(s) to provide more information.*

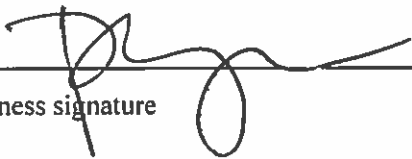
none

If you are a **non-governmental witness**, please list any contracts or payments originating with a foreign government and related to the hearing's subject matter that you or the organization(s) you represent at this hearing received in the current year and previous two calendar years. Include the amount and country of origin of each contract or payment. *If necessary, attach additional sheet(s) to provide more information.*

none

**False Statements Certification**

Knowingly providing material false information to this committee/subcommittee, or knowingly concealing material information from this committee/subcommittee, is a crime (18 U.S.C. § 1001). This form will be made part of the hearing record.

  
\_\_\_\_\_  
Witness signature

9/9/19  
\_\_\_\_\_  
Date

**Please attach, when applicable, the following documents to this disclosure. Check the box(es) to acknowledge that you have done so.**

- Written statement of proposed testimony
- Curriculum vitae or biography

\*Rule XI, clause 2(g)(5), of the U.S. House of Representatives provides:

(5)(A) Each committee shall, to the greatest extent practicable, require witnesses who appear before it to submit in advance written statements of proposed testimony and to limit their initial presentations to the committee to brief summaries thereof.

(B) In the case of a witness appearing in a nongovernmental capacity, a written statement of proposed testimony shall include a curriculum vitae and a disclosure of any Federal grants or contracts, or contracts or payments originating with a foreign government, received during the current calendar year or either of the two previous calendar years by the witness or by an entity represented by the witness and related to the subject matter of the hearing.

(C) The disclosure referred to in subdivision (B) shall include—

- (i) the amount and source of each Federal grant (or subgrant thereof) or contract (or subcontract thereof) related to the subject matter of the hearing; and
- (ii) the amount and country of origin of any payment or contract related to the subject matter of the hearing originating with a foreign government.

(D) Such statements, with appropriate redactions to protect the privacy or security of the witness, shall be made publicly available in electronic form not later than one day after the witness appears.

**Dr. David Walega** is currently the Chief of the Division of Pain Medicine at Northwestern Medicine and the Vice Chair of the Department of Anesthesiology at Northwestern University Feinberg School of Medicine in Chicago where he has been faculty since 2003. He earned his medical doctorate from Wayne State University in Detroit in 1993, and completed an internship in Internal Medicine and a residency in Anesthesiology at Northwestern University, where he also completed a fellowship in Pain Medicine in 1998. He earned a Master of Science in Clinical Investigation in 2013, also at Northwestern.

Dr. Walega has practiced interventional pain medicine for 20 years in both the private and academic practice domains. His clinical interests include enhancing patient safety, novel applications of pain management techniques, and emerging applications of neuromodulation for non-opioid pain management for chronic and cancer related pain disorders, and treatment of vasomotor symptoms from cancer treatment and aging. He is a dedicated medical educator, and holds the rank of Associate Professor at Northwestern University. He has published numerous manuscripts and book chapters on pain related topics, has lectured nationally and internationally, and is a member of the American Medical Association Opioid Task Force an inducted member in the Association of University Anesthesiologists, among many others. His research interests include nerve ablation therapies for knee pain from osteoarthritis, and his research on vasomotor symptom management is currently funded by the National Institute on Aging with an RO1 grant.

**DAVID R. WALEGA, MD, MSCI**  
251 East Huron Street, 5-704  
Chicago, IL 60611  
Office (312) 695-2500  
[d-walega@northwestern.edu](mailto:d-walega@northwestern.edu)

## **EDUCATION**

Bachelor of Science, Magna cum Laude, Biological Sciences  
May, 1989  
Wayne State University  
Detroit, MI

Medical Doctorate  
June, 1993  
Wayne State University School of Medicine  
Detroit, MI

Master of Science, Clinical Investigation  
June, 2013  
Northwestern University, Clinical and Translational Sciences Institute  
Chicago, IL

## **TRAINING**

Internship: Internal Medicine  
June, 1993  
Northwestern University/McGaw Medical Center  
Department of Internal Medicine  
Chicago, IL

Residency: Anesthesiology  
June, 1997  
Northwestern University/McGaw Medical Center  
Department of Anesthesiology  
Chicago, IL  
Chief Resident, July 1996 – June 1997

Fellowship: Pain Medicine  
June, 1998  
Northwestern University School of Medicine  
Department of Anesthesiology  
Division of Pain Medicine  
Chicago, IL

## LICENSURE / CERTIFICATION

Illinois            36-095388            Active

Diplomate, American Board of Anesthesiology, 1998  
Recertification, 2009 (Expiration December, 2019)

Subspecialty Certification in Pain Medicine, American Board of Anesthesiology, 2000  
Recertification, 2009 (Expiration December, 2020)

## ACADEMIC APPOINTMENTS

Assistant Professor  
Department of Anesthesiology  
Feinberg School of Medicine  
Northwestern University  
Chicago, IL  
April, 2003 – August, 2013

Program Director, Multidisciplinary Pain Medicine Fellowship  
Department of Anesthesiology  
Feinberg School of Medicine  
Northwestern University  
Chicago, IL  
July, 2006 – July, 2014

Associate Professor  
Department of Anesthesiology  
Feinberg School of Medicine  
Northwestern University  
Chicago, IL  
September, 2013 – present

Vice Chair for Research  
Department of Anesthesiology  
Feinberg School of Medicine  
Northwestern University  
Chicago, IL  
January, 2017 – present

## **HOSPITAL APPOINTMENTS**

Attending Physician  
Shepherd Center  
Atlanta, GA  
July, 1998 – March, 2003

Attending Physician  
Northwestern Memorial Hospital/Northwestern Medicine  
Chicago, IL  
April, 2003 – present

Medical Director, Anesthesiology Pain Medicine Center  
Northwestern Medical Faculty Foundation/Northwestern Medicine  
Chicago, IL  
September, 2003 – present

Chief, Division of Pain Medicine  
Department of Anesthesiology  
Northwestern Memorial Hospital  
September, 2010 – present

## **OTHER EMPLOYMENT**

Attending Physician  
Physicians' Pain & Rehabilitation Specialists of Georgia, P.C.  
Atlanta, GA  
July, 1998 – March, 2003

## **HONORS AND AWARDS**

Wayne State University Merit Scholar Recipient, 1985-1989  
Phi Eta Sigma Honor Society  
Golden Key National Honor Society  
Phi Beta Kappa Honor Society  
Chief Anesthesiology Resident 1996-1997  
Steele Holley Award for Excellence in Academic Anesthesiology, 1997  
Shepherd Gold Star Award for Excellence in Clinical Medicine, 2002  
NUFSM Lewis Landsberg Research Day, 2<sup>nd</sup> Place Best Abstract for Women's Health, 2014  
Presidential Award for Pain Education, American Academy of Pain Medicine, 2015  
Association of University Anesthesiologists, Inducted, 2017  
Northwestern Medicine "Most Valuable Team Award"; 2018, 2019

## **INSTITUTIONAL SERVICE**

Member, Board of Clinical Practice Directors Northwestern Medical Faculty Foundation Chicago, IL	September, 2004 – 2014
Member, Anesthesiology Operations Committee Northwestern Memorial Hospital Chicago, IL	March, 2005 – present
Member, Ambulatory Clinics Operations Committee Northwestern Medical Faculty Foundation Chicago, IL	April, 2006 – 2014
Member-at-Large, Executive Committee Department of Anesthesiology Northwestern Medical Faculty Foundation Chicago, IL	February, 2007 – February, 2008
Member, Graduate Medical Education Internal Review Committee Northwestern University Feinberg School of Medicine	
Dermatology Residency Program Review	2007
Vascular Neurology Fellowship Program Review	2008
Sports Medicine Fellowship Program Review	2012
Member, Faculty Development Committee Department of Anesthesiology Chicago, IL	September, 2008 –December, 2010
Member, Incentive Compensation Task Force Department of Anesthesiology Northwestern Medical Faculty Foundation Chicago, IL	January, 2010 – 2011
Member, Safety & Quality Subcommittee Board of Clinical Practice Directors Northwestern Medical Faculty Foundation Chicago, IL	September, 2010 – 2014
Leader, DMAIC Team: Inpatient Pain Consult Service Development Northwestern Memorial Hospital Chicago, IL	July, 2014 - June, 2015

Member, Endowed Chair Recruitment Committee  
Northwestern University Feinberg School of Medicine  
Department of Anesthesiology  
Chicago, IL  
March, 2017 - present

#### **COMMUNITY / PUBLIC SERVICE**

Member, Board of Directors  
The Intuit Museum of Outsider Art  
Chicago, IL  
February, 2016 - present

Member, The Emerge Collections Committee  
Museum of Contemporary Art, Chicago  
Chicago, IL  
September, 2016 - present

Vice Chair, "Just Imagine" Capital Campaign (\$4 million)  
The Intuit Center for Outsider Art  
Chicago, IL  
January, 2017 - present

#### **PROFESSIONAL SOCIETIES AND EXTRAMURAL ORGANIZATIONS**

Member, Scientific Program Committee  
Midwest Pain Society  
Chicago, IL  
October, 2011 - 2018

Member, Editorial Board; MOCA II Pain Medicine Requirement  
American Society of Regional Anesthesia and Pain Medicine  
Pittsburgh, PA  
June, 2013- May, 2014

Member, Board of Directors  
Association of Pain Program Directors  
American Society of Anesthesiologists  
Chicago, IL  
October, 2008 – 2018

Member, Board of Directors  
Midwest Pain Society  
Chicago, IL  
October, 2010 – present

Secretary/Treasurer  
Association of Pain Program Directors  
American Society of Regional & Pain Medicine  
Chicago, IL  
November, 2011 – 2012



President Elect  
Association of Pain Program Directors  
American Society of Regional & Pain Medicine  
Chicago, IL  
November, 2012 – 2014

President  
Association of Pain Program Directors  
American Society of Regional & Pain Medicine  
Chicago, IL  
November, 2014 – 2016

President-Elect  
Midwest Pain Society  
Chicago, IL  
October, 2014 – 2016

President  
Midwest Pain Society  
Chicago, IL  
October, 2016 – 2018

Past-President  
Midwest Pain Society  
Chicago, IL  
October, 2018 – 2020

Co-Chair  
Resident & Fellow Education SIG  
American Academy of Pain Medicine  
Chicago, IL  
November, 2014 - 2017

Member & ASA Representative  
National Opioid Task Force  
American Medical Association  
Chicago, IL  
October, 2017 – present

Ex-officio Member  
Committee on Pain Medicine  
American Society of Anesthesiologists  
Chicago, IL  
October, 2019 – October, 2020

## **OTHER SOCIETY MEMBERSHIPS**

Member, American Society of Anesthesiologists (ASA)  
Member, American Society of Regional Anesthesia & Pain Medicine (ASRA)  
Member, Spine Intervention Society (SIS)  
Member, American Academy of Pain Medicine (AAPM)

Member, Midwest Pain Society (MPS)  
Member, American Medical Association (AMA)  
Member, Association of University Anesthesiologists (AUA)

### **EDITORIAL & PEER REVIEW RESPONSIBILITIES**

Editorial Board, Journal of Pain & Relief	2011 - present
Orthopedic Knowledge Online American Academy of Orthopedic Surgeons	2011 - present
Case Reports in Pain Practice	2012 - present
Pain Practice	2012 -present
Reports in Medical Imaging	2012 - present
International Medical Case Reports Journal	2013 - present
Journal of Pain Research	2013 - present
Pain Medicine	2013- present
Journal of Neurosurgical Anesthesiology	2014- present
Regional Anesthesia & Pain Medicine	2014 - present
Neuromodulation	2017- present
Anesthesia & Analgesia	2017 - present

## CURRENT GRANTS AND CLINICAL TRIALS

### Friends of Prentice

Effects of Stellate Ganglion Block on Vasomotor Symptoms in Hispanic Women with Breast Cancer on Aromatase Inhibitors

PI: David Walega, MD

Effort: 5%

\$49,500 total award

Project period: September, 2016 – August, 2020

R01AG049924-01

National Institute on Aging

Grant #118578847

Stellate Ganglion Blockade for Vasomotor Symptoms in Menopausal Women

PI: David Walega, MD (role: study design, study administration, team management, enrollment management, perform study intervention, do all PE, re-evals, manage SE and AE, interact with DSMB and FDA)

Effort: 20%

\$3.4 million total award

Project period: August 2016 – July 2021

NIH Center for Chronic Pain and Drug Abuse

Grant Number DA044121

Project One: Adaptations of the Brain in Chronic Pain with Opioid Exposure

PI: Vania Apkarian, PhD

Role: patient recruitment/enrollment, clinical liaison

Effort: 5%

\$20 million total award

Project period: July, 2018 – June, 2023

Effects of Stellate Ganglion Block on Men with Prostate Cancer on Androgen Deprivation Therapy (ADT)

PI: David Walega, MD (role: study design, study administration, team management, enrollment management, perform study intervention, do all PE, re-evals, manage SE and AE)

Effort: 5%

Internal funding

Project period: July, 2019 – June, 2020

Phenol Neurolysis of the Genicular Nerves in Chronic Knee Pain after Total Knee Arthroplasty: A Double Blinded, Randomized, Sham Controlled trial

PI: David Walega, MD (role: study design, study administration, team management, enrollment management, perform study interventions, do all PE, re-evals, manage SE and AE)

Effort: 5%

Project period: July, 2019 – June, 2020

## PAST GRANTS AND CLINICAL TRIALS

Addison Blonsky Midwest Pain Society Research Grant  
Injection-related anxiety and stress-reduction strategies in pain clinic patients undergoing outpatient interventional spine procedures  
PI: David Walega, MD  
Effort: 5%  
\$5,000 total award  
Project period: October, 2011 – April, 2013

R13AG048700-01  
National Institute on Aging  
Science of Thermoregulation & Vasomotor Symptoms and Possible New Targets for Treatment  
PI: Pauline Maki, PhD  
Role: lecture presentation for translational science symposium  
Effort: 2%  
\$2,000  
Project period: June- October, 2014

Midwest Pain Society Research Grant  
Prospective Randomized Controlled Trial of Standardized C7-T1 Epidural Steroid Injections v. Targeted Injection via Cervical Epidural Catheter for the Treatment of Cervical Radicular Pain  
PI: David Walega, MD  
Effort 3%  
\$3,000  
Project period: September, 2014 – October, 2016

The Donald Kirk Foundation Grant  
Effects of Stellate Ganglion Block on Vasomotor Symptoms in Women with Breast Cancer  
PI: David Walega, MD  
Effort 5%  
\$100,000  
Project period: April 2015 – March 2019

Halyard Health Investigator Initiated Research Grant  
Does Radiofrequency Ablation of the Articular Nerves of the Knee Prior to Total Knee Replacement Improve Pain Outcomes? A Prospective Randomized Sham Control Trial  
PI: David Walega, MD  
Effort 10%  
\$78,000  
Project period: May 2015 – April 2018

Alumnae of Northwestern University Grant  
The Effect of Intranasal Oxytocin on Pain Sensitivity and Threshold  
PI: David Walega, MD  
Effort 3%  
\$3,000  
Project period: May, 2015 – April, 2016

Pfizer Protocol A4091059  
A Phase 3, Randomized, Double blind, Placebo and Active Controlled, Multicenter, Parallel-Group Study of the Analgesic Efficacy and Safety of Tanezumab in Adult Subjects with Chronic Low Back Pain  
Site PI: David Walega, MD (role: recruitment, evaluation, screening, administration of study drugs, follow up neuro and musculoskeletal exams)  
Effort 5%  
\$108,000 total award  
Project period: April 2016 – February 2019

**INVITED LECTURES AND WORKSHOPS**  
**National/International Organizations**

Spinal Stenosis: You Have the Diagnosis, Now What? May 20, 2006  
Lecturer  
Arthritis Foundation Annual Meeting  
Oakbrook, IL

Headache of Interest to the Anesthesiologist October 14 – 18, 2006  
Panel Participant/Lecturer  
American Society of Anesthesiologists Annual Meeting,  
Chicago, IL

Intradiscal Procedures: Discography, IDET, and Nucleoplasty October 14 - 18, 2006  
Cadaver Workshop Instructor  
American Society of Anesthesiologists Annual Meeting  
Chicago, IL

Intradiscal Procedures: Procedure Updates October 13 - 17, 2007  
Cadaver Workshop Instructor  
American Society of Anesthesiologists Annual Meeting  
San Francisco, CA

Interventional Blocks of the Head & Neck November 17-18, 2007  
Cadaver Workshop Instructor  
American Society of Regional Anesthesia Annual Meeting  
Boca Raton, FL

Intradiscal Procedures: Procedure Updates Cadaver Workshop Instructor American Society of Anesthesiologists Annual Meeting Orlando, FL	October 18 - 22, 2008
Intradiscal Procedures for Treatment of Low Back Pain Workshop Instructor New York School of Regional Anesthesia & Pain Medicine World Congress Dubai, United Arab Emirates	March 7-12, 2010
Intrathecal Drug Delivery for Chronic Pain Management Lecturer New York School of Regional Anesthesia & Pain Medicine World Congress Dubai, United Arab Emirates	March 7-12, 2010
Intradiscal Treatments for Back Pain and Disc Herniation Master Class Lecturer New York School of Regional Anesthesia & Pain Medicine World Congress Rome, Italy	April 9-16, 2011
Minimally Invasive Procedures for Discogenic Pain Problem Based Learning Discussion New York School of Regional Anesthesia & Pain Medicine World Congress Rome, Italy	April 9-16, 2011
Interventional Procedures for Low Back Pain Lecturer/Panelist Midwest Pain Society Scientific Meeting Chicago, IL	October 28-29, 2011
Pain & Marfan Syndrome Lecturer National Marfan Foundation 28th Annual Conference Chicago, IL	August 2-5, 2012
Clinical Manifestations of Pain in Marfan Syndrome & Related Disorders Workshop Instructor National Marfan Foundation 28th Annual Conference Chicago, IL	August 2-5, 2012

Persistent Pain in Women Symposium Moderator Midwest Pain Society Annual Scientific Meeting Chicago, IL	October 26-27, 2012
Cervical Pain Disorders: A Multidisciplinary Approach to Care Symposium Moderator Midwest Pain Society Annual Scientific Meeting Chicago, IL	October 25-26, 2013
The Science of Thermoregulation and Vasomotor Symptoms: The Role of Stellate Ganglion Modulation Lecturer, Translational Symposium North American Menopause Society Annual Scientific Meeting Funded by R13 Grant; National Institutes of Health Washington, DC	October 14-15, 2014
6th Euro VT/VF Meeting 2014 Lecturer Spinal Cord Stimulation: A New Treatment for Ventricular Tachycardia Berlin, Germany	December 5 – 6, 2014
Pain Bioskills Cadaver Lab-Spine Injections & Relevant Anatomy Cervical MBB, Cervical ESI, Thoracic MBB and RFA Workshop Instructor American Society of Anesthesiologists Annual Meeting San Diego, CA	October 24-28, 2015
Point-Counterpoint: Use of Interventional Procedures for Chronic Pain Lead Speaker American Society of Anesthesiologists Annual Meeting San Diego, CA	October 24-28, 2015
Updates in Pain Medicine Education Speaker Society of Academic Anesthesiology Associations Annual Meeting Baltimore, MD	November 6-7, 2015
Cooled Radiofrequency: Techniques, Applications and Pitfalls Lecturer World Institute of Pain World Congress New York City, NY	May 20-23, 2016

Novel Radiofrequency Techniques: Cooled RFA  
Cervical and Thoracic Spine  
Cadaver Workshop Moderator & Instructor  
American Society of Anesthesiologists Annual Meeting  
Chicago, IL  
October 22-26, 2016

Not Every Painful Arthritic Knee Needs to Be Replaced:  
New Technology in Treating Chronic Knee Pain  
Lecturer  
Midwest Pain Society 41st Annual Scientific Meeting  
Chicago, IL  
October 27-28, 2017

Osteoarthritis of Major Joints:  
Knee Denervation: Updates in Safety and Effectiveness  
Lecturer (Plenary Session & Panel Discussion)  
American Society of Regional Anesthesia & Pain Medicine  
San Antonio, TX  
November 15-18, 2018

Major Joints: Radiofrequency Lesion and Articular Nerve Blocks  
Workshop Instructor  
American Society of Regional Anesthesia & Pain Medicine  
San Antonio, TX  
November 15-18, 2018

Musculoskeletal & Neurologic Examination for Pain Practitioners  
Workshop Instructor  
American Society of Regional Anesthesia & Pain Medicine  
San Antonio, TX  
November 15-18, 2018

**Invited Presentations, Lectures & Workshops  
Academic Institutions**

Pain Dilemmas in Primary Care  
Lecturer  
Northwestern Healthcare Corporation Lecture Series  
February 15, 2006

Neuromodulation: What Is a Spinal Stimulator and Why Should I Care?  
Lecturer, Grand Rounds  
Northwestern Spine Pain Interdisciplinary Physicians  
May, 2009

Updates in the Interventional Treatment of Back Pain  
Lecturer, Grand Rounds  
Northwestern Medical Faculty Foundation  
Department of Medicine  
March 24, 2010



Improving Safety Outcomes in Conscious Sedation Cases  
Lecturer, Grand Rounds  
Department of Obstetrics & Gynecology  
Northwestern Medical Faculty Foundation  
May 7, 2012

Improving Safety Outcomes in Conscious Sedation Cases  
Lecturer, Grand Rounds  
Division of Reproductive Endocrinology & Infertility  
Northwestern Medical Faculty Foundation  
May 17, 2012

Sacroiliac Joint Pain: What Every Spine Surgeon Should Know About this Joint,  
Outcome Measures and Levels of Evidence for Treatment  
Lecturer, Grand Rounds  
Department of Neurosurgery  
Northwestern Medicine  
September 3, 2013

Pain Management in the Emergency Department  
Panel Member, Grand Rounds  
Department of Emergency Medicine  
Northwestern Medicine  
October 28, 2015

Medical Cannabis in Illinois  
Lecturer, NMG Primary Care Grand Rounds  
Department of Medicine  
Northwestern Medicine  
May 27, 2016

Interventional Treatment of the Painful Osteoarthritic Knee Joint  
Lecturer, General Internal Medicine Grand Rounds  
Department of Medicine  
Northwestern Medicine  
September 26, 2017

What a Pain: What the Interventionalist Can Do for Your Patient with Pain  
Lecturer, 5th Annual Advanced Practice Providers Conference  
Northwestern Memorial Hospital  
Chicago, IL  
November 1, 2017

Advances in Non-Surgical Treatment of Knee Pain:  
What to Do When Corticosteroids Don't Work  
Lecturer, Rheumatology Grand Rounds  
Department of Medicine  
Northwestern Medicine  
September 18, 2018

## Visiting Professorships

- Cervicogenic Headache: Interventions for Diagnosis & Treatment October, 2005  
Visiting Professor, Department of Anesthesiology  
Rush University, Chicago, IL
- Cervicogenic Headache: Does It Really Exist? March, 2006  
Visiting Professor, Department of Anesthesiology  
Case Western University, Cleveland, OH
- Controversies in the Diagnosis of Lumbar Degenerative Disc Disease September, 2009  
Visiting Professor, Department of Anesthesiology  
Massachusetts General Hospital, Boston, MA

## PUBLICATIONS AND SCHOLARLY WORK

### Peer Reviewed Original Investigations

1. Metter EJ, Walega D. How comparable are 60- and 80- year old men? Journal of Gerontology: Medical Sciences 1992;47: M73-78 PMID 1573187
2. Benzon HT, Chew TL, McCarthy R, Benzon H, Walega DR. Comparison of the particle sizes of different steroids and the effect of dilution: a review of the relative neurotoxicities of the steroids. Anesthesiology 2007;106:331-8 PMID 17264728
3. Malik K, Walega DR, Cohen SP, Benzon HT. Diagnostic criteria and treatment of discogenic pain: a systematic review of recent clinical literature. Spine 2013;13(11):1675-89 PMID 23993035
4. Press J, Liem B, Walega D, Garfin S. Survey of inspection and palpation rates among spine providers: The evaluation of physician performance of the physical examination for patients with low back pain. Spine J 2013;38(20):1779-84 PMID 23778374
5. Walega DR, Maki PM, Rubin LH, Banuvar S, Shulman LP. Effects of Stellate Ganglion Blockade on Vasomotor Symptoms: Findings from a Randomized Clinical Trial of Postmenopausal Women. Menopause Aug 2014;21(8):807-14 PMID 24496086
6. Walega DR, Kendall M, Nagpal G, DeOliveira G. Evaluation of Anxiety in Procedure Naïve Patients during Cervical and Lumbar Epidural Steroid Injection. Regional Anesthesia and Pain Medicine 2015;40(3):255-61. PMID: 25899955
7. McCormick ZL, Walker J, Marshall B, McCarthy R, Walega DR. A Novel Modality for Facet Joint Denervation: Cooled Radiofrequency Ablation for Lumbar Facet Syndrome.

- A Case Series. *Phys Med Rehabil Int.* 2014;1(5):5. PMID 25866845
8. Nelson A, **Walega DR**, McCarthy R. The Incidence and Severity of Physical Pain Symptoms in Marfan Syndrome: A Survey of 993 Patients. *Clinical Journal of Pain* 2015 PMID 25565586
  9. McCormick ZL, Marshall B, Walker J, McCarthy R, **Walega DR**. Long-Term Function, Pain and Medication Use Outcomes of Radiofrequency Ablation for Lumbar Facet Syndrome. *Int J Anesth Anesth.* 2015;2(2) PMID 26005713
  10. McCormick Z, Cushman D, Caldwell M, Marshall B, Ghannad L, Eng C, Patel J, Makovitch S, Chu SK, Babu AN, **Walega DR**, Marciniak C, Press J, Kennedy DJ, Plastaras C. Does Electrodiagnostic Confirmation of Radiculopathy Predict Pain Reduction after Transforaminal Epidural Steroid Injection? A Multicenter Study. *J Nat Sci.* 2015 Aug;1(8). PMID: 26251843
  11. McCormick ZL, Cushman D, Lee D, Scholten P, Smuck M, **Walega DR**. Is There A Relationship Between Body Mass Index and Fluoroscopy Time During Sacroiliac Joint Injection? A Multicenter Cohort Study. *Pain Medicine* 2015 PMID 26814282
  12. McCormick ZL, Choxi SC, Lee DT, Marcolina A, Press J, Kennedy DJ, Smuck M, **Walega DR**, Cushman DM. The Impact of Body Mass Index on Fluoroscopy Time during Lumbar Epidural Steroid Injection: A Multicenter Cohort Study. *Pain Medicine* 2016 PMID 27084415
  13. McCormick ZL, Cushman D, Marshall B, Caldwell M, Patel J, Ghannad L, Eng C, Makovitch S, Babu A, Chu SK, Marciniak C, **Walega DR**, Press J, Plastaras C, Kennedy DJ. Pain Reduction and Repeat Injections after Transforaminal Epidural Injection with Particulate versus Non-particulate Steroid for the Treatment of Chronic Painful Lumbosacral Radiculopathy. *PM & R* 2016 PMID 27060648
  14. McCormick ZL, Mattie R, Ebrahimi A, Lee DT, Marcolina A, Press J, Kennedy DJ, Smuck M, **Walega DR**, Cushman D. Is There a Relationship Between Body Mass Index and Fluoroscopy Time During Interlaminar Cervical Epidural Steroid Injections? *Pain Medicine* 2016 PMID 28034968
  15. Maki PM, Rubin LH, Savarese A, Drogos L, Shulman LP, Banuvar S, **Walega DR**. Stellate Ganglion Blockade and Verbal Memory in Midlife Women: Evidence from a Randomized Trial. *Maturitas* 2016 PMID 27621249
  16. McCormick ZL, Nelson A, Bhavne M, Zhukalin M, Kendall M, McCarthy RJ, Khan D, Nagpal G, **Walega DR**. A Prospective Randomized Comparative Trial of Targeted Steroid Injection via Epidural Catheter versus Standard C7-T1 Interlaminar Approach for the Treatment of Unilateral Cervical Radicular Pain. *RAPM* 2017 PMID 27922950

17. Bhavé M, McCormick Z, Lee D, Scholten P, Chu S, Babu A, Caldwell M, Ziegler C, Ashraf H, Cara J, Clark R, McCormick K, Gross C, Ross B, Press J, Smuck M, Cushman D, **Walega DR**. The Relationship between Body Mass Index and Fluoroscopy Time during Intra-articular Hip Injection; A Multicenter Cohort Study. *Pain Physician* 2017 PMID 28727716
18. McCormick ZL, Nelson A, Kendall M, McCarthy RJ, Nagpal G, **Walega DR**. Does Cervical Interlaminar Epidural Steroid Injection with Low-dose Lidocaine Cause Objective Upper Extremity Weakness? A Preliminary Study. *Pain Med* 2017 PMID 28340163
19. McCormick, ZL, Nagpal G, Khan D, Korn M, Dayamin D, Bhavé M, Mattie R, Cushman D, **Walega DR**. Cooled Radiofrequency Ablation of the Genicular Nerves for Chronic Pain due to Knee Osteoarthritis: 6-month Outcomes. *Pain Med* 2017 PMID 28431129
20. Hoelzer B, Bendel M, Deer T, Eldridge J, **Walega DR**, Choi D, Hayek S, Rosenow JR et al. Spinal Cord Stimulator Implant infection Rates and Risk Factors: A multi-center retrospective study. *Neuromodulation*. 2017 May. PMID 28493599
21. Bendel MA, O'Brien T, Hoelzer BC, Deer TR, Pittelkow TP, Costandi S, **Walega DR**, Azer G, Hayek SM, Wang Z, Eldridge JS, Qu W, Rosenow JM, Falowski SM...Choi D. Spinal Cord Stimulator Related Infections: Findings from a Multi-center Retrospective Analysis of 2,737 Implants. *Neuromodulation* 2017 PMID 28726312
22. McCormick ZL, Reddy R, Korn M, Dayanim D, Syed RH, Bhavé M, Zhukalin M, Choxi S, Ebrahimi A, Kendall MC, McCarthy RJ, Khan D, Nagpal G, Bouffard K, **Walega DR**. A Prospective Randomized Trial of Prognostic Genicular Nerve Blocks to Determine the Predictive Value for the Outcome of Cooled Radiofrequency Ablation for Chronic Knee Pain Due to Osteoarthritis. *Pain Med* 2017 PMID: 29300971
23. Popescu A, Patel A, McCormick ZL, Maus T, Rodes M, **Walega DR**, Smith CC; Patient Safety Committee of the Spine Intervention Society. Fact Finders: Are Gadolinium-Based Contrast Media Safe Alternatives to Iodinated Contrast Agents for the Safe Performance of Spinal Injection Procedures? *Pain Med* 2018 PMID: 29767782
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Article)

26. McCormick ZL, Lehman LT, Plataras CT, **Walega DR**, Huddleston P, et al. Low-pressure Lumbar Provocation Discography According to International Association for the Study of Pain/Spine Intervention Society Standards Does Not Cause Acceleration of Disc Degeneration in Patients with Symptomatic Low Back Pain: A 7 Year Matched Cohort Study. *Spine J* 2019 PMID 31261283
27. McCormick ZL, Conger A, Cushman D, Broschinsky K, Petersen R, **Walega DR**, Cunningham S, Kendall R. A Novel Technical Protocol for Improved Capture of the Genicular Nerves by Radiofrequency Ablation. *Pain Med* 2019 PMID 31131850
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**Reviews, Case Reports, Letters & Editorials**

1. **Walega, D.** Pain medicine: a comprehensive review, 2nd edition, *Regional Anesthesia and Pain Medicine*; 29 (1): 2003, 77-78
2. De Oliveira Jr GS, Charchaflich J, **Walega D.** Pneumorrhachis mimicking meningitis after a paramedian lumbar interlaminar injection. *Clinical Journal of Pain* 2010;27:355-6 PMID 20842010
3. **Walega D**, McComb E, Rosenow J. Bilateral Cervico-Thoracic Transforaminal Blood Patches for Persistent Headache from Spontaneous Intracranial Hypotension. A Case Report. *Clinical Journal of Pain* 2011;27:357-64 PMID 21317779
4. **Walega DR**, Chung BA. Chronic post-herniorrhaphy pain following inguinal hernia surgery: etiology, risk factors, anatomy and treatment. *Techniques in Regional Anesthesia and Pain Medicine* 2011;15:3:104-109
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7. **Walega DR**, Smith CC, Epstein J. Bilateral stellate ganglion blockade for recalcitrant pain from

- Burning Mouth Syndrome. *J Orofacial Pain* 2014; 28(2):171-5 PMID 24822241
8. **Walega DR**, Liu B. Kyphoplasty for Malignant Mesothelioma Metastasis to the L5 Vertebra for Spine Stabilization. *Journal of Case Reports in Medicine* 2013; 2; Article ID 235598.  
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  9. **Walega DR**, Roussis C. Third Degree Burn from Cooled Radiofrequency Ablation of Medial Branch Nerves for Treatment of Thoracic Facet Syndrome. *Pain Practice* 2014 PMID 24796394
  10. **Walega DR**, Rosenow J. Spinal Cord Stimulation for Electrical Storm Refractory to Conventional Medical Treatment. *Neuromodulation* 2014 PMID 24917386
  11. **Walega DR**, Maki PM. Letter to the Editor: Effects of Stellate Ganglion Blockade on Vasomotor Symptoms: Findings from a Randomized Clinical Trial of Postmenopausal Women. *Menopause* 2014. PMID 24937028
  12. McCormick ZL, **Walega DR**. Cervical Epidural Steroid Injection for Refractory Somatic Tinnitus. *Pain Practice* 2014. PMID 25353360
  13. **Walega DR**. Deliberate Malfeasance or Innocent Error? Misrepresentation in Pain Medicine Fellowship Applications. (Invited Editorial). *Pain Medicine* 2015;16(2):230-1 PMID 25580778
  14. **Walega DR**. An exercise in negotiation: the success of the pain medicine fellowship match. *ASRA Newsletter*, February 2015.
  15. McCormick ZL, **Walega DR**. Third-Degree Skin Burn from Conventional Radiofrequency Ablation of the Inferiomedial Genicular Nerve, *Pain Medicine*, 2017 PMID 29025030
  16. McCormick ZL, **Walega DR**. Letter to the Editor: (in response) Achieving Meaningful Success in Studies of Genicular Nerve Radiofrequency Ablation. *Pain Medicine*, 2017 PMID 29077955
  17. **Walega DR**, McCormick ZL. Chemical Neurolysis of the Genicular Nerves for Chronic Knee Pain: Reviving an Old Dog and an Old Trick. *Pain Medicine* 2018 PMID: 29514315
  18. **Walega DR**, Korn M. Management of a Cancer Patient with an Intrathecal Drug Delivery System and an Acute Brain Abscess. *J Palliat Med.* 2018 PMID: 29649397
  19. McCormick ZL, **Walega DR**. Managing Patient Expectations is Vital to Successful Pain Management. *Pain Medicine* 2018 PMID 30649482
  20. House LM, Korn MA, Garg A, Jung MJ, Kendall MC, **Walega DR**, McCormick ZL. Severity of Knee Osteoarthritis and Pain Relief After Cooled Radiofrequency Ablation of the Genicular Nerves. *Pain Medicine* PMID 31045215

## Book Chapters, Electronic Media

1. **Walega, D.** *Anatomy of the brachial plexus* in Essentials of Pain Medicine and Regional Anesthesia, 1<sup>st</sup> edition, Benzon HT, Raja SN, Molloy RE, Boorsook D, Strichartz GR. London: Church & Livingstone 1998
2. **Walega D**, Benzon HT. *Sickle cell disease* in Essentials of Pain Medicine and Regional Anesthesia, 1<sup>st</sup> edition, Benzon HT, Raja SN, Molloy RE, Boorsook D, Strichartz GR. London: Church & Livingstone 1998
3. **Walega D.** *Intradiscal techniques: intradiscal electrothermal coagulation (IDET) and nucleoplasty* in Essentials of Pain Medicine and Regional Anesthesia, 2nd edition, Benzon HT, Raja SN, Molloy RE, Liu S, Fishman SM. London: Elsevier Science 2004
4. **Walega D**, Merrill D. *Common Procedure Codes in Pain Medicine* in Raj's Practical Management of Pain, 4<sup>th</sup> Edition, Benzon HT, Rathmell J, Wu C, Turk D, Argoff C. London: Elsevier-Mosby 2008
5. **Walega D.** *Development of Outpatient Services for Chronic Pain and Cancer Pain* in Raj's Practical Management of Pain, 4<sup>th</sup> Edition, Benzon HT, Rathmell J, Wu C, Turk D, Argoff C. London: Elsevier-Mosby 2008
6. **Walega D.** *Intradiscal Techniques: Intradiscal Electrothermal Therapy, Biacuplasty and Percutaneous Decompression Techniques* in Essentials of Pain Medicine and Regional Anesthesia, 3rd edition, Ed Benzon HT. London: Elsevier Science 2011
7. **Walega D.** *Determination of Disability* in Essentials of Pain Medicine and Regional Anesthesia, 3rd edition, Ed. Benzon HT. London: Elsevier Science 2011
8. Rosen, HN, Mulder, JE, **Walega DR** et al. *Clinical manifestations and treatment of osteoporotic thoracolumbar vertebral compression fractures*. In UpToDate, Snyder PJ (Ed), UpToDate, Waltham, MA, 2014, updated 2015, 2016, 2018 *viewed more than 100,900 times on the UpToDate website*
9. **Walega D.** *Determination of Disability* in Essentials of Pain Medicine and Regional Anesthesia, 4th edition, Ed. Benzon HT. London: Elsevier Science 2017
10. **Walega D.** *Epidural Infection* in Challenging Cases and Complication Management in Pain Medicine, 1<sup>st</sup> Ed. Anitescu M, Benzon HT, Wallace MS. Springer 2018
11. Calisoff, R, **Walega D.** *Chronic Knee Pain* in Pain Management Review. A Problem Based Learning Approach, 1st Ed. Anitescu M. New York: Oxford University Press 2018
12. Agarwal RR, Gaiha R, **Walega DR.** *Pharmacology of Pain Transmission and*

Modulation in Academic Pain Medicine: A Practical Guide to Rotations, Fellowship, and Beyond, 1<sup>st</sup> Ed. Khelemsky Y, Gritsenko K, Malhotra A. Springer 2019

#### **ABSTRACTS Oral Presentations & Poster Presentations**

1. **Walega D\***, Rosenow J. Bilateral Cervico-Thoracic Transforaminal Blood Patches for Spontaneous Intracranial Headache, American Society of Regional Anesthesia, Phoenix, Arizona November 18-21, 2010
2. **Walega D\***, Nader A, Strandness T, Kendall M. A Cadaveric Study of the Greater Occipital Nerve in Relation to the Occipital Artery, American Society of Regional Anesthesia, Phoenix, Arizona, November 18-21, 2010
3. Pollina R\*, **Walega D**, Patil, S, et al Combined Fluoroscopic and Nerve-Stimulation-Guided Blockade of the Pudendal Nerve. Midwest Pain Society, Chicago, Illinois, October 28-29, 2011
4. **Walega D\***, Tucker L, Kendall M. Stellate Ganglion Blockade in Burning Mouth Syndrome. American Society of Regional Anesthesia, New Orleans, Louisiana November 17-20, 2011
5. **Walega, D**, Job L\*, Kendall M. Lumbar Pain from Metastatic Malignant Mesothelioma: the Role of Kyphoplasty in a Rare Neoplasm. American Society of Regional Anesthesia, New Orleans, Louisiana November 17-20, 2011
6. Caldwell M\*, **Walega D**. Allergic Dermatitis from Mastisol following Programmable Pain Pump Implantation. American Pain Society, Honolulu, Hawaii, May 16-19, 2012 (published in Journal of Pain 2012; 13(4):S26).
7. Puppala V\*, **Walega, D**. Management of Multiple Vertebral Compression Fractures in Bacteremic 67-year-old with *Staphylococcus lugdunensis*: Implications of a New Pathogen. American Society of Regional Anesthesia, Miami, Florida, November 15-18, 2012
8. Puppala V\*, **Walega, D**. Management of Multiple Vertebral Compression Fractures in Bacteremic 67-year-old with *Staphylococcus lugdunensis*: Implications of a New Pathogen. North American Spine Society, Las Vegas, Nevada, December 6-8, 2012
9. Vo H\*, **Walega DR**. Refractory Ventricular Tachycardia Treated with Spinal Cord Stimulation. Midwest Anesthesiology Residents' Conference, Kansas City, MO, April 26-28, 2013. 1<sup>st</sup> PRIZE WINNER
10. Rubin LH\*, **Walega DR**, Banuvar S, Shulman LP, Maki P. Reductions in Objective Hot Flashes Are Positively Associated with Improvements in Verbal Learning: Findings from



- a Randomized Controlled Trial of Stellate Ganglion Block for the Treatment of Hot Flashes. North American Menopause Society, Dallas, Texas, October 9-12, 2013
11. **Walega DR\***, Maki PM, Rubin LH, Banuvar S, Shulman LP. Effects of Stellate Ganglion Blockade on Vasomotor Symptoms: Findings from a Randomized Clinical Trial of Postmenopausal Women. American Society of Anesthesiologists, San Francisco, California, October 12-16, 2013
  12. **Vo H\***, **Walega DR** Spinal Cord Stimulation for Electrical Storm Refractory to Conventional Medical Treatment. Medically Challenging Cases; American Society of Anesthesiologists, San Francisco, California, October 12-16, 2013
  13. McCormick, Z, **Walega DR\***. Thermal Injury from Cooled Radiofrequency Ablation of Medial Branch Nerves for Treatment of Thoracic Facet Syndrome. Midwest Pain Society Annual Scientific Meeting, Chicago, IL October 25-26, 2013
  14. **Walega DR**, Roussis C\*. Third Degree Burn from Cooled Radiofrequency Ablation of Medial Branch Nerves for Treatment of Thoracic Facet Syndrome. American Academy of Pain Medicine, Phoenix, AZ March, 2014
  15. **Walega DR\***, Maki PM, Rubin LH, Banuvar S, Shulman LP. Effects of Stellate Ganglion Blockade on Vasomotor Symptoms: Findings from a Randomized Clinical Trial of Postmenopausal Women. Northwestern University Feinberg School of Medicine 10<sup>th</sup> Annual Lewis Landsberg Research Day, Chicago, IL April 3, 2014  
2<sup>nd</sup> PRIZE WINNER Women's Health Research
  16. McCormick Z\*, Marshall B, Walker J, McCarthy RM, **Walega DR**. Long-term Pain and Functional Outcomes of Cooled Radiofrequency Ablation for Lumbar Facet Syndrome: A Pilot Study. Midwest Pain Society (American Pain Society) Annual Scientific Meeting, Chicago, IL October, 2014
  17. **Walega DR\***, Kendall M, Nagpal G, DeOliveira G. Evaluation of anxiety at peri-procedural critical work flow points during routine cervical and lumbar epidural steroid injection procedures. Midwest Pain Society (American Pain Society) Annual Scientific Meeting, Chicago, IL October, 2014
  18. Harden RN, Khoury A, Carroll E, Connolly S\*, Abousaad E, **Walega DR**, Kirsling A. Opioid-induced hyperalgesia (OIH) in patients with chronic low back pain. American Academy of Pain Medicine, National Harbor, MD March, 2015
  19. McCormick Z\*, Marshall B, Walker J, McCarthy RM, **Walega DR**. Long-term Pain and Functional Outcomes of Cooled Radiofrequency Ablation for Lumbar Facet Syndrome: A Pilot Study. American Academy of Pain Medicine, National Harbor, MD March, 2015

20. McCormick Z\*, Marshall B, Walker J, **Walega DR**. Does Electrodiagnostic Confirmation of Acute or Chronic Cervical or Lumbosacral Radiculopathy Predict Pain Reduction after Transforaminal Epidural Steroid Injection? A Multicenter Longitudinal Study. American Academy of Pain Medicine, National Harbor, MD March, 2015
21. McCormick Z\*, Marciniak C, **Walega DR**, Press, J, Chu SK, Makovitch S, Patel J, Marshall B. Electrodiagnostic Confirmation of Acute or Chronic Cervical or Lumbosacral Radiculopathy Predict Pain Reduction after Transforaminal Epidural Steroid Injection? A Multicenter Longitudinal Study (Scientific Paper Presentation) Association of Academic Physiatrists Annual Meeting, San Antonio, TX March 10-14, 2015
22. Harden RH, Burns J, Kirsling A, Connolly S\*, **Walega DR**. Implications of Opioid Induced Hyperalgesia (OIH) in Patients with Low Back Pain. American Pain Society, Palm Springs, CA, May, 2015 (abstract published, Journal of Pain, 2015)
23. **Walega DR\***, Nagpal G. Kendall M. Evaluation of Anxiety in Procedure Naïve Patients during Cervical and Lumbar Epidural Steroid Injection Procedures. 34th Annual Scientific Meeting American Pain Society, Palm Springs, CA, May, 2015 (abstract published, Journal of Pain, 2015)
24. Nelson AM\*, **Walega DR**, McCarthy RJ. The incidence and severity of physical pain symptoms in Marfan syndrome: a survey of 993 patients. 34th Annual Scientific Meeting American Pain Society, Palm Springs, CA, May, 2015 (abstract published, Journal of Pain, 2015)
25. **Walega DR\***, Nagpal G. Evaluation of Anxiety in Procedure Naïve Patients during Cervical and Lumbar Epidural Steroid Injection Procedures (selected for Podium Presentation). International Spine Intervention Society Annual Scientific Meeting, Las Vegas, NV, July, 2015. *Podium presentation*
26. McCormick ZL\*, Marshall B, Walker, J, **Walega DR**. Function, Pain and Medication Use after Radiofrequency Ablation for Lumbar Facet Syndrome; Outcomes Beyond 3 Years. International Spine Intervention Society Annual Meeting, Las Vegas, NV, July, 2015
27. McCormick ZL\*, MD, Cushman D, Marshall B, Caldwell M, Patel J, MD, Ghannad L, Eng C, Makovitch S, Babu A, MD, Chu SK, Marciniak C, **Walega DR**, Press J, Plataras C, Kennedy DJ. Dexamethasone versus Particulate Steroid Injections for the Treatment of Needle Electromyography-Confirmed Painful Lumbosacral Radiculopathy. International Spine Intervention Society Annual Meeting, Las Vegas, NV, July, 2015
28. Reddy R\*, Marshall B, Mattie R, McCormick Z, **Walega DR**. Cooled Radiofrequency Ablation of Genicular Nerves for Knee Osteoarthritis Pain: A Protocol for Patient

Selection and Case Series Midwest Pain Society Annual Scientific Meeting, Chicago IL, October, 2015. 1st PLACE WINNER BEST ABSTRACT

29. McCormick Z\*, Cushman D, Marshall B, Caldwell M, Patel J, Ghannad L, Eng C, Makovitch S, Babu AN, Chu SK, Marciniak C, **Walega DR**, Press J, Plastaras CT, Kennedy DJ. Dexamethasone versus Particulate Steroid Injections for the Treatment of Needle Electromyography-Confirmed Painful Lumbosacral Radiculopathy. Midwest Pain Society Annual Scientific Meeting, Chicago, IL, October, 2015. 2nd PLACE WINNER BEST ABSTRACT
30. Reddy RD\*, McCormick ZL, Marshall B, Mattie R, **Walega DR**. Cooled Radiofrequency Ablation of Genicular Nerves for Knee Osteoarthritis Pain: A Protocol for Patient Selection. American Academy of Pain Medicine Annual Meeting. Palm Springs, CA February, 2016. (Abstract #150 published, Pain Medicine, 2016)
31. McCormick Z\*, Cushman D, Lee D, Scholten P, Chu S, Babu A, Caldwell M, Ziegler C, Ashraf H, Sundar B, Clark R, Gross C, Cara J, McCormick K, Ross B, Press J, Smuck M, **Walega DR**. Is There A Relationship Between Body Mass Index and Fluoroscopy Time During Sacroiliac Joint Injection? A Multicenter Cohort Study. American Academy of Pain Medicine Annual Meeting. Palm Springs, CA February, 2016. (Abstract #141 published, Pain Medicine, 2016)
32. Cushman D, Curtis B, Fils A, **Walega DR**, McCormick Z\*. Fluoroscopy exposure during transforaminal epidural steroid injections: a multicenter evaluation of 4,793 injections. American Academy of Pain Medicine Annual Meeting. Palm Springs, CA February, 2016. (abstract published, Pain Medicine, 2016)
33. Sampat, A, Nelson AM\*, Iriana S, McCarthy RJ, **Walega DR**. Patterns of oral analgesic use in patients with Marfan Syndrome. American Society of Anesthesiologists, Chicago, IL, October 22-26, 2016
34. McCormick ZL\*, Nagpal G, Khan D, Kendall M, Nelson A,... **Walega DR**. A Prospective Randomized Comparative Trial of Targeted Steroid Injection via Epidural Catheter versus Standard C7-T1 Interlaminar Approach for the Treatment of Unilateral Cervical Radicular Pain American Society of Anesthesiologists, Chicago, IL, October 22-26, 2016. *Podium presentation*
35. McCormick ZL\*, Nelson A, Bhavne M, Choksi S, Ebrahimi A, Zhukalin M, Kendall M, Khan D, Nagpal G, **Walega DR**. A Prospective Randomized Comparative Trial of Targeted Steroid Injection Via Epidural Catheter Versus Standard C7-T1 Interlaminar Approach for the Treatment of Unilateral Cervical Radicular Pain. Spine Intervention Society European Congress, Lisbon, Portugal, October 21-23, 2016
36. McCormick ZL, Korn M\*, Reddy R, Marcolina A, Dayanim D, Mattie R, Cushman D,

- Bhave M, McCarthy RJ, Khan D, Nagpal G, **Walega DR**. Cooled Radiofrequency Ablation of the Genicular Nerves for Chronic Pain due to Knee Osteoarthritis: 6-month Outcomes and Predictors of a Successful Treatment Response. American Society of Regional Anesthesia, San Diego, CA, November 17-20, 2016. WINNER “BEST OF MEETING AWARD”
37. House LM\*, **Walega DR**, Garg A, Omar I, Korn M, Reddy RD, Khan DM, Nagpal G, McCormick ZL. Predictive Factors Associated with a Successful Clinical Outcome from Radiofrequency Ablation of the Genicular Nerves for the Treatment of Chronic Knee Pain due to Osteoarthritis. Western Anesthesia Resident Conference, Portland, OR April 21-23, 2017. *Podium presentation*
38. House LM\*, **Walega DR**, Garg A, Omar I, Korn M, Reddy RD, Khan DM, Nagpal G, McCormick ZL. Predictive Factors Associated with a Successful Clinical Outcome from Radiofrequency Ablation of the Genicular Nerves for the Treatment of Chronic Knee Pain due to Osteoarthritis. Spine Intervention Society Annual Scientific Meeting, San Francisco, CA July 19-23, 2017. *Podium presentation*
39. Korn, MA, Khan DM, McCormick ZL, Patel AG\*, **Walega, DR**. Genicular Nerve Ablation via Chemical Neurolysis for Knee Pain: A Case Series. Midwest Pain Society 41<sup>st</sup> Scientific Meeting. Chicago IL, October 27-28, 2017. BEST POSTER ABSTRACTS OF MEETING-2<sup>nd</sup> Place
40. Choi H\*, Gaiha R, **Walega DR**. Chronic pain related to the anatomic location of Implantable Pulse Generators (IPG): A single center cohort study. American Society of Regional Anesthesia, Lake Buena Vista, FL, November 16-18, 2017
41. Gates K\*, **Walega DR**. Phenol Neurolysis of the Genicular Nerves after Failed Radiofrequency Ablation in an Elderly Patient with Chronic Knee Pain after Total Knee Replacement. American Society of Regional Anesthesia, Lake Buena Vista, FL, November 16-18, 2017
42. Choi H, Gaiha R\* **Walega DR**. Chronic Pain Related to the Anatomic Location of Implantable Pulse Generators. American Academy of Pain Medicine Annual Meeting, Vancouver, BC, Canada. April 26 - 29, 2018
43. McCormick ZL\*, Reddy R, Korn M,... **Walega, DR**. Do Diagnostic Genicular Nerve Blocks Predict Treatment Outcomes of Cooled Radiofrequency Ablation in Patients with Chronic Knee Pain from Osteoarthritis? A Prospective Randomized Trial. (abstract published in Pain Medicine) American Academy of Pain Medicine Annual Meeting, Vancouver, BC, Canada. April 26 - 29, 2018
44. **Walega DR\***, Manning D, McCormick ZL, Avram M. Does Genicular Nerve Cooled Radiofrequency Ablation Prior to Total Knee Arthroplasty Effect Analgesic

Requirements and Functional Measures 48 hours After Surgery? World Congress on Regional Anesthesia and Pain Medicine, New York, NY April 19-21, 2018. *Podium presentation*

45. **Walega DR\***, Manning D, McCormick ZL, Avram M. Does Genicular Nerve Cooled Radiofrequency Ablation Prior to Total Knee Arthroplasty Effect Analgesic Requirements and Functional Measures at 6 Months after Surgery? World Institute of Pain, Dublin, Ireland May 9-12, 2018 *Podium presentation*
46. McCormick ZL\*, Plastaras C, Lehman VT, Geske J, **Walega DR**, Kennedy DJ. Low-pressure Lumbar Provocation Discography According to International Association for the Study of Pain/Spine Intervention Society Standards Does Not Cause Accelerated Progression of Disc Degeneration in Symptomatic Low Back Pain Patients; A 7 Year Matched Cohort Study. Spine Interventional Society, Chicago IL August 2018. *Podium presentation, 2018 BEST CLINICAL ABSTRACT AWARD*
47. Choi H\*, McCormick ZL, Kendall, MC, Reddy R, Bhavne M, Nagpal G, Teramoto M, **Walega DR**, Khan DM, Choi H, Syed RH. A Randomized Prospective Comparative Trial of Water-Cooled Versus Traditional Radiofrequency Ablation of the Median Branch Nerve in the Treatment of Zygapophyseal Joint Pain: 6-month Outcomes. Spine Intervention Society Annual Meeting, Chicago, IL August 2018 *Podium presentation*
48. McCormick ZL\*, Kendall, MC, Reddy R, Bhavne M, Nagpal G, Teramoto M, **Walega DR**, Khan DM, Choi H, Syed RH. A Randomized Prospective Comparative Trial of Water-Cooled Versus Traditional Radiofrequency Ablation of the Median Branch Nerve in the Treatment of Zygapophyseal Joint Pain: 6-month Outcomes. North American Spine Society, Annual Meeting, Los Angeles, CA September 26-29, 2018
49. McCormick ZL\*, Plastaras CT, **Walega DR**, Kennedy DJ, Maus TP., Huddleston PM, Lehman VT, Carr C. Low-pressure Lumbar Provocation Discography According to International Association for the Study of Pain/Spine Intervention Society Standards Does Not Cause Accelerated Progression of Disc Degeneration in Symptomatic Low Back Pain Patients; A 7 Year Match. North American Spine Society, Annual Meeting, Los Angeles, CA September 26-29, 2018 *Podium presentation*
50. McCormick ZL\*, Choi H, Reddy R, Syed RH, Bhavne M, Kendall MC, Khan D, Nagpal G, Teramoto M, **Walega DR**. A Randomized Comparative Trial of Medial Branch Nerve Cooled Versus Traditional Radiofrequency Ablation for the Treatment of Zygapophyseal Joint Pain; 6-month Outcomes. (*abstract published in Physical Medicine and Rehabilitation, October 2018*). AAPMR Annual Assembly, Orlando, FL October 25-28, 2018 PRESIDENT'S CITATION AWARD: BEST RESEARCH PRESENTATION
51. McCormick ZL\*, Reddy R, Korn M, Dayanim D,...**Walega DR**. A Prospective Randomized Trial of Prognostic Genicular Nerve Blocks to Determine the Predictive

Value for the Outcome of Cooled Radiofrequency Ablation for Chronic Knee Pain Due to Osteoarthritis. (*abstract published in Physical Medicine and Rehabilitation, October 2018*). AAPMR Annual Assembly, Orlando, FL October 25-28, 2018

52. Lee D\*, **Walega DR**. Successful Cervical Facet Procedures In a Patient with Quebec Platelet Disorder and Extensive Post-Procedure Bleeding History. American Society of Regional Anesthesia, Las Vegas, NV, April 11-13, 2019
53. Lee D\*, **Walega DR**. Unilateral Arachnoiditis Presenting as Complex Regional Pain Syndrome. American Society of Regional Anesthesia, Las Vegas, NV, April 11-13, 2019
54. Wasserlauf J\*, Williams J, **Walega DR**, Bohn M, Passman RS. Impact Of Sedation Type On Patient Reported Outcomes After Cryoballoon Ablation For Atrial Fibrillation. Heart Rhythm Scientific Sessions, San Francisco, CA May 8-11, 2019
55. Lee D\*, **Walega DR**. Successful Cervical Facet Procedures In a Patient with Quebec Platelet Disorder and Extensive Post-Procedure Bleeding History: A Case Report. Spine Intervention Society Annual Meeting, New York, NY, August 14-17, 2019 (*abstract published in Pain Medicine, September 2019*)
56. **Walega DR\***, Khan D, Nagpal G, McCormick. Bleeding Complications following Genicular Nerve Radiofrequency Ablation: A Case Series. Spine Intervention Society Annual Meeting, New York, NY, August 14-17, 2019 (*abstract published in Pain Medicine, September 2019*)
57. Bark JS\*, Fogel J, Kilic E, Dowty S, Horwitz J, **Walega DR**, Banuvar S, Maki PM. Night Sweats, Sleep Duration, and Cognition in Breast Cancer Survivors. North American Menopause Society Annual Meeting, Chicago, IL, September 25-28, 2019

\*Denotes presenter

## **MEDIA COVERAGE**

Science Daily. Chronic pain treatment cools hot flashes in menopausal women  
October 12, 2013

Medscape. Bupivacaine Injection Reduces Menopausal Hot Flashes by 50%  
October 16, 2013

MD Magazine. Using Radiofrequency Ablation in Pain Management  
July 7, 2016

MD Magazine. New CDC Guidelines Provide Help and More Questions in Pain Management  
July 7, 2016

Modern Luxury. Men of the Moment 2018  
March 27, 2018

Chicago Tribune. What would it take to cure your hot flashes? One shot in the neck might do the  
trick  
May 9, 2019