

Maryam Jowza, MD

Education

08/2010 – 08/2011	Fellow in Pain Medicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA
08/2007 – 08/2010	Resident in Anesthesiology, Massachusetts General Hospital, Harvard Medical School, Boston, MA
07/2006 – 06/2007	Intern in Preliminary Medicine, Albert Einstein Medical Center, Philadelphia, PA
08/2002 - 05/2006	M.D. UMDNJ Robert Wood Johnson Medical School, Piscataway, NJ
08/1997 - 05/2001	B.A. Chemistry, Bard College, Annandale, NY

Certification

08/2012	Board Certified in Pain Medicine: 47182
04/2011	Board Certified in Anesthesiology: 47182

Licensure

NC Active License: 2015-0400

DEA: FJ1924299

NY Medical Acupuncture License- Inactive

NY Inactive License

MA Inactive License

Professional Experience—Employment History:

02/2021- current	Associate Professor in Anesthesiology, University of North Carolina, Chapel Hill
01/2019- current	Associate Program Director, Pain Fellowship, University of North Carolina, Chapel Hill
10/2015- current	Assistant Professor in Anesthesiology, University of North Carolina, Chapel Hill
09/2013- 06/2015	Assistant Professor in Anesthesiology and Pain Medicine, Weill Cornell Medical College, New York Presbyterian Hospital
09/2011- 08/2013	Instructor in Anesthesiology and Pain Medicine, Weill Cornell Medical College, New York Presbyterian Hospital

Honors:

09/2018	First Place Award for Poster Presentation, North Carolina Society of Anesthesiology, Greenville, NC.
---------	--

Maryam Jowza, MD

B Bowling, M Jowza. Clinical Presentation of Arachnoiditis Following Spinal Cord Stimulator. Pain Society of the Carolinas Annual Meeting 2018. Greenville, SC. 9/29/2018

05/2018 UNC Department of Anesthesiology Residency Education Faculty Honor Roll
05/2017 UNC Department of Anesthesiology Resident Education Faculty Honor Roll
04/2007 Partners In Excellence Award, Massachusetts General Hospital, Hospital-wide selection, recognition for clinical excellence

Bibliography and products of scholarship:

Books and Chapters

Jowza M, Nagpal G, Viscomi CM, Rathmell JP. Pain in Pregnancy. In Chin ML, Fillingim RL, Ness TJ. Pain in Women. Oxford University Press, New York, 2013, pp. 122-134.

Jowza M, Minehart RD, Local Anesthetics. In Clinical Anesthesia Procedures of the Massachusetts General Hospital, Eighth Edition. Levine ed, Wolters-Kluwer, Philadelphia, 2010, pp. 208-216.

In Press/Submitted

James D, **Jowza M**. Hormones and Antibodies. In Adb-Elsayed Basic Anesthesia Review. Oxford University Press. 4 Pages. Submitted 08/31/2020.

Jowza M, James D. Neurological Disorders. In Adb-Elsayed Advanced Anesthesia Review. Oxford University Press. 4 Pages. Submitted 07/30/2020.

James D, **Jowza M**. Epilepsy and Anesthesia. In Adb-Elsayed Advanced Anesthesia Review. Oxford University Press. 4 Pages. Submitted 05/25/2020.

James D, **Jowza M**. Ilioinguinal and Iliohypogastric Nerves Interventions. In: Souza D, Kohan L, Narouze S. Bedside Pain Interventions. Springer Nature. Submitted 11/29/2019. 7 Pages.

Refereed Papers/Articles

A Cook, S Ghanavatian, **M Jowza**. Spontaneous Spread of Limb Complex Regional Pain Syndrome to the Ipsilateral Face With Ultimate Corneal Abrasion: A Case Report. *A A Pract*. 2020;14(10):e01301. doi:10.1213/XAA.0000000000001301

E Stephenson, Z Farzal, **M Jowza**, T Hackman, A Zonation, E Du. Postoperative Analgesic Requirement and Pain Perceptions after Nonaerodigestive Head and Neck Surgery. *Otolaryngol Head Neck Surg*. 2019 Dec;161(6):970-977. doi: 10.1177/019459981987169

E Du, Z Farzal, E Stephenson, A Tanner, K Adams, D Farquhar, M Weissler, S Patel, J Blumberg, **M Jowza**, T Hackman, A Zonation. Multimodal Analgesia Protocol after Head and Neck Surgery: Effect on Opioid Use and Pain Control. *Otolaryngol Head Neck Surg*. 2019 Apr 9; doi: 10.1177/0194599819841885

D James and **M Jowza** . Treating opioid dependence: Pain Medicine Physiology of Tolerance and Addiction. *Clin Obstet Gynecol*. 2019 Mar;62(1):87-97. doi: 10.1097/GRF.0000000000000422.

Maryam Jowza, MD

D. James, **M Jowza**. "Pain in Burn Patients." Clin Plast Surg. 2017 Oct; 44(4):737-747. doi: 10.1016/j.cps.2017.05.005.

J Guillory, **M Jowza**, MC Reid. Piloting a Text Message-Based Social Support Intervention for Patients with Chronic Pain. Clin J Pain. 2015 Jun;31(6) 548-56 doi: 10.1097/AJP.0000000000000193

M Jowza; S Sattar;R Olson. Modeling Chlorite-Iodide Reaction Dynamics Using a Chlorine Dioxide-Iodide Reaction Mechanism J. Phys. Chem. A.; Feb 2005; 109(9); 1873-1878 PMID: 16833519

Refereed other products of scholarship

M Jowza. Neck and Back Pain. Anesthesia Education. Toolbox:
<https://www.anesthesiatoolbox.com/docs/DOC-3371> Published 2/12/2018

M Jowza. Clinical Application of Medications PBLD. Anesthesia Education. Toolbox:
<https://www.anesthesiatoolbox.com/docs/DOC-2789>. Published 7/31/2017

M Jowza. Local Anesthetic PBLD. Anesthesia Education. Toolbox:
<https://www.anesthesiatoolbox.com/docs/DOC-3195> Published 12/19/2017

Refereed unpublished oral presentations and/or abstracts

P Carter, **M Jowza**, Navigating Patient Encounters in the Opioid Epidemic: A Pilot Multidisciplinary Simulation Curriculum for Difficult Encounters" Society for Education in Anesthesia Spring Annual Meeting, Philadelphia, Pennsylvania May 8-10, 2020

P Carter, N Khathri, **M Jowza**. Intrathecal Pumps and Lawsuits: What Do You Do When All Else Fails? North American Neuromodulation Society Annual Meeting 2020. Caesars Palace, Las Vegas. 1/23/2020.

A Cook, M Ranahan M, **M Jowza**. Corneal Complication of Complex Regional Pain Syndrome. Pain Society of the Carolinas Annual Meeting 2019. Charleston, SC. 12/06/2019.

S Stookey, K Schott, **M Jowza**. Cluneal Nerve Stimulation for Cluneal Neuralgia. Pain Society of the Carolinas Annual Meeting 2019. Charleston, SC. 12/06/2019.

N Khatri, **M Jowza**. Identifying Implicit Bias of Pain Management Physicians Towards Certain Pain Conditions. American Society of Regional Anesthesia Annual Pain Medicine Meeting 2018. San Antonio, Tx. November 16, 2018.

B Bowling, **M Jowza**. Clinical Presentation of Arachnoiditis Following Spinal Cord Stimulator. Pain Society of the Carolinas Annual Meeting 2018. Greenville, SC. 9/29/2018

C Tillson, L Sylvester, **M Jowza**. Persistent Genital Arousal Syndrome: A referral to Pain Specialist? Pain Society of the Carolinas Annual Meeting 2018. Greenville, SC. 9/29/2018

E Du, MD, Z Farzal, MD, E Stephenson, A Tanner, K Adams, **M Jowza, MD**, S Patel, J Blumberg, A Zanation, MD. Postoperative Analgesic Requirement and Pain Perceptions after Minor Head and Neck Surgery. Triological Society 121st Annual Meeting 2018. National Harbor, MD. April 22, 2018.

C Mokesky, **M Jowza**. Mishaps in Anticoagulation with Indwelling Epidural. Pain Society of the Carolinas Annual Meeting 2017. Charleston, SC. 9/23/2017

AR Reddy, **M Jowza**. Slipped Rib Syndrome. American Society of Regional Anesthesiology Annual Meeting 2017. Orlando, FL 11/16/2017

Maryam Jowza, MD

K Schott, D James, **M Jowza**, J Wang, SA Reddy, J Park, Improving Nursing Knowledge Regarding Epidural Catheter Care. American Society of Anesthesiology Annual Meeting 2017. Boston, MA 10/22/2017

A. Reddy and **M. Jowza**. “Spinal cord Ischemia in setting of Indwelling Epidural Catheter. Abstract and Presentation at American Society of Regional Anesthesiology Meeting 2016. San Diego, CA 11/19/2017

P. Pessantes and **M. Jowza**. “Malignant Hyperthermia Masked by Alcohol Withdrawal?” Medically Challenging Case Presentation. American Society of Anesthesiology Annual Meeting 2016. Chicago, IL. 10/24/2016

V Bhasin and **M Jowza**. Two Cases of Cutaneous CSF Leak After CSE Treated with Conservative Management. American Society of Regional Anesthesiology Meeting. May 2015. Las Vegas, NV 5/24/2015

G Kaur and **M Jowza**. Chronic Pain in Survivors of Torture. Poster at Post Graduate Assembly. Dec 2014. New York, NY 12/13/2014

Newsletters

M Jowza, Alston T. Literature Review: Nitrous Oxide and Perioperative Cardiac Morbidity (ENIGMA-II) Trial: Rationale and Design. Society of Cardiovascular Anesthesia Newsletter (www.scahq.com) June 2009; 8 (4)

M Jowza, Alston T. Literature Review: Stress Doses of Hydrocortisone in High-Risk Patients Undergoing Cardiac Surgery: Effects on Interleukin-6 to Interleukin-10 Ratio and Early Outcomes. Society of Cardiovascular Anesthesia Newsletter (www.scahq.com) June 2009, 8(3)

Digital and other novel forms of scholarship

Department of Anesthesiology Multidisciplinary Pain Fellowship Education Series:

M Jowza. Suicidal Cancer Pain Patient. University of North Carolina. 5/09/2016

M Jowza. Narcissistic Patient with a Complication. University of North Carolina. 5/09/2016

D James, **M Jowza**. Sexually Inappropriate Patient. University of North Carolina. 5/9/2016

M Jowza. Stellate High Spinal. University of North Carolina. 11/02/2015

M Jowza. Intercostal Block Pneumothorax. University of North Carolina. 11/02/2015

D James D, **M Jowza**. Belligerent Patient: To Injection or not to inject? University of North Carolina. 11/02/2015

Teaching activities:

Course director

11/22/2019- current School of Medicine, Pain Management Elective (Anesthesia 409) for senior medical students.

Lectures

To Medical Students

Monthly 12/2019 – current “Introduction to Chronic Pain” University of North Carolina Spine and Imaging Center.

Maryam Jowza, MD

Monthly 12/2019 – current “Treatment Options in Chronic Pain” University of North Carolina Spine and Imaging Center.

Monthly 12/2019 – current “Basics of Opioids” University of North Carolina Spine and Imaging Center.

08/08/2017 “Opioid Case Studies” Patient Centered Care Group Speaker. University of North Carolina School of Medicine.

Annually 2017-2021 “Pain Management” Anesthesia Boot Camp Course University of North Carolina School of Medicine.

Annually 2017-2021 “Multimodal Analgesia” Anesthesia Boot Camp Course, University of North Carolina School of Medicine.

Joint to fellows, residents and medical students

08/11/2020 “Imaging in Spine Procedures” University of North Carolina Spine and Imaging Center

07/23/2019 “Introduction to Lumbar Procedures” University of North Carolina Spine and Imaging Center.

07/30/2019 “Introduction to Anatomy and Fluoroscopy for Cervical and Thoracic Procedures” –University of North Carolina Spine and Imaging Center

06/04/2019 “Intrathecal Pumps”- University of North Carolina Spine and Imaging Center

10/23/2018 “Pharmacology for Boards (USMLE, Anesthesiology and Pain)” University of North Carolina Spine and Imaging Center

08/01/2018 “Pain and Anesthesia—Primer for Surgeons” University of North Carolina Womac Conference Room

07/24/2018 “Introduction to interventional procedures cervical and thoracic region.” University of North Carolina Spine and Imaging Center

08/22/2017 “Opioids History of Abuse” University of North Carolina Spine and Imaging Center

10/17/2017 “Anticonvulsants, NSAIDs and antipyretic” University of North Carolina Spine and Imaging Center

11/14/2017 “Pain of Spinal Origin Including Radicular Pain, Zygapophysial Joint Disease” University of North Carolina Spine and Imaging Center

10/03/2017 “Anatomy, Physiology and Pharmacology of Pain Transmission & Modulation” University of North Carolina Spine and Imaging Center

12/23/2016 “Ins and Outs of Pain Signaling” University of North Carolina Spine and Imaging Center

12/13/2016 “Pharmacology of Neuropathic Agents” University of North Carolina Spine and Imaging Center

05/12/2015 “Neuropathic Pain Medications: Board Review” University of North Carolina Spine and Imaging Center

Maryam Jowza, MD

Grand Rounds

At UNC

- 03/14/2018 "Medical Marijuana Pros and Cons." Department of Anesthesiology. UNC Chapel Hill. Bondurant G100.
- 03/15/2017 "Opioids in Acute Pain." Department of Ear Nose and Throat. UNC Chapel Hill. Physician's Office Building.
- 02/16/2017 "Opioid Use and Misuse." Department Internal Medicine. UNC Chapel Hill. Old Clinic Auditorium.
- 02/01/2017 "Analgesia First? The Rise and Fall of Preemptive Analgesia." Department of Anesthesiology. UNC Chapel Hill. Bondurant G100.

Outside UNC:

- 09/16/2020 "Tired, Fat and in Pain: The Link Between Obesity and Pain." Massachusetts General Hospital Multidisciplinary Pain Grand Rounds.
- 05/12/2014 "Acute Pain Management in Opioid Tolerant Patient." Weill Cornell Department of Anesthesia Grand Rounds.
- 02/13/2012 "Interventional Options for Cancer Pain Management" Department of Geriatrics and Palliative Care Grand Rounds, Weill Cornell Medical College: Continuing Education Lecture

Continuing Education Lecture

At UNC

- 12/15/2016 "Opioids, Controversy, Conversion, etc." Adult Pain Resource Nurse Conference. Department of Nursing at UNC Chapel Hill. Adult Pain Resource Nurse Course. Nursing Education Conference Room, Old Clinic.
- 12/15/2016 "Cancer Pain." Adult Pain Resource Nurse Conference Department of Nursing at UNC Chapel Hill. Adult Pain Resource Nurse Course. Nursing Education Conference Room, Old Clinic.

Outside UNC

- 06/17/2020 "PBLD: Perioperative management of patients on partial opioid agonists and antagonists." Carolina Refresher Course. Kiawah Island, SC. (Cancelled due to Pandemic)
- 06/17/2020 "Is there a role for cannabinoids in acute and chronic pain therapy?" Carolina Refresher Course. "Kiawah Island, SC. (Cancelled due to Pandemic)
- 04/02/2020 "Interdisciplinary Simulation Curriculum In Pain Management for Navigating Difficult Patient Encounters." Society of Behavioral Medicine Annual Meeting. San Francisco, CA. (Cancelled due to Pandemic)
- 10/27/2018 "Interventions in Cancer Pain." 10th Annual Coping with Cancer Conference: Cancer Pain Management During the Opioid Epidemic. Carolina Inn. Chapel Hill, NC

Maryam Jowza, MD

- 03/24/2018 “Medical Marijuana: Pro Con Debate” Pain addiction and the Law Conference. Friday Center. Chapel Hill, N
- 10/23/2017 “PBLD: MY Next Patient is on Opioids: The good, bad, and ugly” 10th Annual Duke-Wake Forest Pediatric Anesthesiology Conference. Friday Center, Chapel Hill, NC
- 05/24/2014 “Pain of Spinal Origin.” New York Presbyterian Multidisciplinary Evaluation and Treatment of Pain. CME Conference. Weill Cornell Medical Auditorium, New York, NY
- 12/10/2013 “Cancer Pain Management” Pain Management Symposium. Weill Cornell Medical College. Weill Cornell Conference Center, New York, NY

Clinical Teaching

- 01/2019- current Liaison for Chronic Pain elective for the UNC Department of Radiology
- 01/2019- current Liaison for Chronic Pain elective for the UNC Department of Physical Medicine and Rehabilitation
- 01/2019- current Liaison for Chronic Pain elective for the UNC Department of Palliative Care
- 01/2017- 2020 Rotation director for Anesthesiology residents on the Acute Pain Service
- 01/2017- 2020 Rotation director for Anesthesiology residents on Chronic Pain Service
- 01/2017- 2020 Rotation director for Anesthesiology residents on Advanced Chronic Pain Elective
- 01/2017- current Liaison for Chronic Pain elective for the UNC Department of Psychiatry
- 10/2017- current Clinical teaching to UNC addiction fellows on pain medicine rotation
- 10/2015- current Clinical teaching to UNC anesthesia residents during Acute Pain Rotations
- 10/2015 – current Clinical teaching to UNC anesthesia residents during Chronic Pain Rotations
- 10/2015- current Clinical teaching to UNC anesthesia pain fellows
- 10/2015- current Clinical Teaching to UNC neuroradiology fellows
- 10/2015- current Clinical Teaching to UNC orofacial pain fellows on pain medicine rotation
- 10/2015- current Clinical teaching to UNC psychiatry on pain medicine rotation
- 10/2015- current Clinical teaching to UNC PM&R on pain medicine rotation

Student Preceptorships

- 08/2020- 07/2020 Faculty Mentor for Pain Fellowship Fellows- Ryan Stuckey, MD, Matthew Hallman, MD, Danielle Ward, MD
- 07/2019- 07/2020 Faculty Mentor for Pain Fellowship Fellows – Jon McBride, MD, Mikio Ranahan, MD, Katherine Schott, MD

Maryam Jowza, MD

07/2019 - 07/2020 Faculty Mentor to Residents: Reena Nagar, MD, Nasir Khatri, MD
07/2018 – 07/2019 Faculty Mentor for Pain Fellowship Fellows – Lauren Sylvester, MD, Britney Bowling, MD, Aravind Reddy, MD

Attending on Clinical Service

2015 – current Attending physician for UNC Anesthesiology Inpatient Acute Pain Service
2015 – current Attending physician for UNC Anesthesiology Inpatient Chronic Pain Service
2015 – current Attending physician for UNC Anesthesiology Outpatient Pain Clinic

Other Supervision

2015 - current MOCK oral board exam examiner, Department of Anesthesiology, UNC Chapel Hill
2015 - current OSCE evaluator, Department of Anesthesiology, UNC Chapel Hill

Professional Service

To discipline

02/2020- current Peer Reviewer Trials
06/2019- current Food and Drug Administration (FDA) Advisory Committee for Analgesics and Anesthetics
06/2017- current Peer Reviewer: The Toolbox Project
06/2016- 06/2017 Steering committee for pain fellowship curriculum development, The Toolbox Project
04/2016 - current Expert Reviewer: North Carolina Medical Board
02/2014-10/2015 Steering Committee Member for the Acute Pain Curriculum. The Anesthesia Toolbox Project
07/2014- current Peer Reviewer: Pain Practice Journal

Within UNC

Committees

07/2018- current Chair, Fellowship Clinical Competency Committee
10/2018- current Residency Interviewing Committee
5/2018- current Program Evaluation Committee
05/2016- current Fellowship Selection Committee