

Dalia H. Elmofty, MD FASA

The University of Chicago
Department of Anesthesia & Critical Care
Section of Pain Medicine
5841 S Maryland Ave
MC 4028
Chicago, IL 60637-1234
Office: (773)-702-6927
Fax: (773)-834-2307
Email: delmofty@bsd.uchicago.edu

ACADEMIC APPOINTMENTS

2001-2004 Research Associate, Department of Anesthesia and Critical Care, Rush University Medical Center
2003-2004 Institutional Review Board Member, Rush University Medical Center
2009-2019 Assistant Professor, Department of Anesthesia and Critical Care, Section of Pain Medicine, University of Chicago
2019-: Associate Professor, Department of Anesthesia and Critical Care, Section of Pain Medicine, University of Chicago
2020-: Associate Program Director, Pain Fellowship, Department of Anesthesia and Critical Care, University of Chicago

ACADEMIC TRAINING

1991-1997 M.D., Ain Shams Medical University, Cairo, Egypt
1998-1999 Internship, Ain Shams University Hospitals, Cairo, Egypt
1999-2001 Residency (Clinical Pathology), Ain Shams University Hospitals, Cairo, Egypt
2004-2008 Residency (Anesthesia) Rush University Medical Center, Chicago, Illinois
2007-2008 Chief Resident Rush University Medical Center, Chicago, Illinois
2008-2009 Fellowship (Pain Medicine) Rush University Medical Center, Chicago, Illinois

BOARD CERTIFICATION AND LICENSURE

1999 Egyptian Ministry of Health
2001 Master Clinical and Chemical Pathology (Egypt)
2008 Illinois State Medical license
2009 Diplomate, American Board of Anesthesiology
2010 Board Certification Pain Medicine
2009-: Maintenance of Certification in Anesthesiology
2010-: Maintenance of Certification in Pain Medicine
2020-: Maintenance of Certification in Pain Medicine and Anesthesiology

CERTIFICATION

2020 Quality Improvement and Patient Safety Course, Center for Health Science and Social Science University of Chicago
2022 The BSD Senior Leadership Academy (9-month course dedicated to advancing professional and personal skills required to lead and manage in today's complex academic, research and health care environment)

SCHOLARSHIP

Peer-reviewed publications in the primary literature:

1. Hammoudah D, (maiden name), Gaber M, El-borhamy M. Human Torovirus as a new nosocomial gastrointestinal pathogen. Egyptian University Libraries 2001pp1-73

Author: Hammoudah,dalia mahmoud/ Title: Human torovirus as a new nosocomial gastrointestinal pathogen (eulc.edu.eg)

2. Buvanendran A, Kroin JS, Tuman KJ, Lubenow TR, Elmoftly D, Moric M, Rosenberg AG. Effects of perioperative administration of a selective cyclooxygenase 2 inhibitor on pain management and recovery of function after knee replacement: a randomized controlled trial. JAMA 2003; 290:2411-2418.
3. Buvanendran A, Kroin JS, Tuman KJ, Lubenow TR, Elmoftly D, Luk P. Cerebrospinal fluid and plasma pharmacokinetics of the cyclooxygenase 2 inhibitor rofecoxib in humans: single and multiple oral drug administration. Anesth Analg 2005;100:1320-1324.
4. Elmoftly D, Anitescu M, Buvanendran A. Best practices in the treatment of neuropathic pain. Pain Manage 2013; 3 (6): 475-483.
5. Elmoftly D, Buvanendran A. Regional anesthesia in total joint arthroplasty: what is the evidence? J Arthroplasty 2017; 32 (9): S74-76.
6. Gupta A, Nizzamudin J, Elmoftly D, Nizzamudin S, Tung A, Minhaj M, Mueller A, Apfelbaum J, Shahul S. Opioid abuse or dependence increases 30-day readmission rates after major operating room procedures: a national readmission database study. Anesthesiology 2018; 128: 880-90.
7. Elmoftly DH, Eckmann M. Do not follow the bone, follow the nerve ultrasound-guided stellate ganglion block: a reconfirmation. British Journal of Pain 2019; 13 (4): 226-229.
8. Kohan LR, Elmoftly D (dual 1st author), Pena I, Liao C. Presence of opioid safety initiatives, prescribing patterns for opioid and naloxone, and perceived barriers to prescribing naloxone: Cross-sectional survey results based on practice type, scope, and location. Journal of Opioid Management. 2021 Jan 1;17(1):1938. <https://wmpllc.org/ojs/index.php/jom/article/view/2896>
9. Pan W, Peng J, Elmoftly D. Occipital Neuralgia. Curr Pain Headache Rep. 2021 Jul 21;25(9):61. doi: 10.1007/s11916-021-00972-1. PMID: 34287719
10. Elmoftly DH, Tucker A, Wuenstel AM, Cheng PK, Fox E, Knoebel R, Liao C, Scavone B. Varying Dosages of Subcutaneous Unfractionated Heparin and Activated Partial Thromboplastin Time in Hospitalized Antepartum Patients: A Retrospective Cohort Analysis. Anesthesia & Analgesia. 2022 Jan 12:10-213.
11. Jacobs DK, Elmoftly D. Lead extrusion of a supraorbital simulator: case report and mini-review. Interventional Pain Management Reports 2018; 2 (6): 235-238.
12. Aboumerhi H, Elmoftly D. Self-limited Spinal Subarachnoid Hemorrhage after Lumbar Spinal Drain Removal while on Clopidogrel: A Case Report. A A Pract 2019; 13 (1): 436-439.
13. Powers K, Elmoftly D. Retained intrathecal catheter and Baastup's disease: a case report A A Pract. 2020 Sep;14(11):e01313. doi: 10.1213/XAA.0000000000001313. PMID: 32955208
14. Patel S, Elmoftly D, Joseph A, Mameghani N. An interesting case of spinal cord stimulator lead disruption/fraying ID:1520 . Neuromodulation: Technology at the neural interface 2021; 24 (4): 73 (onlinelibrary.wiley.com) DOI: 10.1111/ner/13385
15. Francis M, Orr A, Aras N, Srivastava V, Elmoftly D. ID: 16318 Complication of Spinal Cord Stimulator Fractured Lead Extraction After 8 Years of Implantation: Retained Lead. Neuromodulation. 2022 Jul 1;25(5):S17.
16. Shapiro M, Orr A, Francis M, Aras N, Elmoftly D. ID: 16421 Device-Adverse Event During Deployment of an Interspinous Spacer. Neuromodulation. 2022 Jul 1;25(5):S26-7.
17. Gupta A, Nizzamudin J, Elmoftly D, Nizzamudin S, Tung A, Minhaj M, Mueller A, Apfelbaum J, Shahul S. Association and effect of opioid abuse-related readmission. Anesthesiology 2019; 130: 174-5.

Peer-reviewed works in 'non-traditional' outlets:

Newsletter

1. Elmoftly D. Procedural simulation for neuraxial procedures. American Society of Regional Anesthesia Newsletter August 2015; 22-23.
2. Kohen L, Elmoftly D. Genotyping and phenotyping in pain management. American Society of Regional Anesthesia Newsletter May 2017; 18-22.
3. Elmoftly D. Procedural simulation and neuraxial anesthesia and analgesia: a review. Anesthesiology News 2017; 102-107.

4. Elmofty D. Our voices have been heard, ABA revised absence from training policy for parental leave. *Women in Anesthesiology Newsletter* May 2019 (Issue 1); 5-6.
<https://www.womeninanesesthesiology.org/wp-content/uploads/2019/07/WIA-Newsletter-Issue-1.pdf>
5. Pan W, Elmofty D. "See how I feel, not who I am": Mitigating implicit bias in pain management. *Nociceptor Newsletter* Winter 2020 Edition Midwest Pain Society.
6. Amiri Y, Elmofty D. How has the COVID-19 Pandemic Impacted Chronic Pain Patients? *Nociceptor Newsletter* June 2020
7. Elmofty D. What stories do they tell? Reflections from women in acute and chronic pain and regional anesthesia. *American Society of Regional Anesthesia Newsletter* July 2020
8. Elmofty D. How I Do It Stellate Ganglion Blocks. *American Society of Regional Anesthesia Newsletter* August 2020
9. Elmofty D. Stellate Ganglion Blocks. *American Society of Regional Anesthesia Newsletter* November 2020
10. Elmofty D. The Opioid Epidemic: is the perioperative period to blame. *American Society of Regional Anesthesia Newsletter* February 2021
11. Elmofty DH. How I Do It: Introducing Procedural Simulation into Pain Fellowship. *ASRA News*. 2021;46. <https://doi.org/10.52211/asra050121.025>.
12. Elmofty D. A silver lining. *American Society of Regional Anesthesia Newsletter* August 2021 (<https://doi.org/10.52211/asra080121.045>)
13. Elmofty D. A reflection in 2021. *American Society Regional Anesthesia Newsletter* November 2021 (<https://doi.org/10.52211/asra110121.062>)
14. Thalla N, Newton K, Elmofty D. Is Intravenous Immunoglobulin Therapy for Chronic Pain Conditions an Underused Treatment Option? *American Society of Regional Anesthesia Newsletter* February 2022 (<https://doi.org/10.52211/asra020122.008>)
15. Bielawiec T, Elmofty D. A case of spinal cord stimulator Twiddler's syndrome. *ASRA Pain Medicine News* 2022;47. <https://doi.org/10.52211/asra080122.038>
16. Elmofty D. Letter to the Members. *Women in Regional Anesthesia and Pain Medicine Special Interest Group Newsletter ASRA Pain Medicine* September 2022
17. Elmofty D. Recommended Reading List. *Women in regional anesthesia and pain medicine Special Interest Group Newsletter ASRA Pain Medicine* August 2023

Editorial

1. Elmofty D. Referee Report For: Case report: Percutaneous electrical neural field stimulation in two cases of sympathetically-mediated pain [version 1; referees: 1 approved, 2 approved with reservations]. *F1000Research* 2017, 6:920
(doi: 10.5256/f1000research.12413.r23904)

Abstracts

American Society of Anesthesiologists Annual Meeting

1. Buvanendran A, Elmofty D, Lubenow TJ, Kroin JS, Tuman KJ. Perioperative administration of selective cyclooxygenase-2 (cox-2) inhibitor reduces postoperative epidural drug consumption after total knee arthroplasty (TKA). *Anesthesiology* 96:A943, 2002.
2. Buvanendran A, Elmofty D, Tuman KJ, Sheinkop M, Kroin JS. Administration of selective cyclooxygenase-2 (COX-2) inhibitor with warfarin does not increase blood loss following total knee arthroplasty (TKA). *Anesthesiology* 96:A942, 2002.
3. Buvanendran A, Elmofty D, Moric M, Kroin JS, Tuman KJ. Rofecoxib reduces postoperative opioid consumption and improves range of motion after total knee arthroplasty (TKA). *Anesthesiology* 99:A1116, 2003.
4. Buvanendran A, Elmofty D, Moric M, Kroin JS, Tuman KJ. Perioperative administration of a selective cyclooxygenase-2 inhibitor reduces postoperative sleep disturbance and improves satisfaction after total knee arthroplasty (TKA). *Anesthesiology* 99:A974, 2003.

5. Elmofty D, Anitescu M, Agerson A. A survey of problem-based learning for medical student pain curricula. *Anesthesiology* 117: A885, 2012.
6. Elmofty D, Anitescu M. Correlation of patient satisfaction for thoracic epidural analgesia. *Anesthesiology*: A2150, 2013.
7. Carqueville C, Elmofty D, Malik T. Peripheral nerve catheters in patients receiving anticoagulation therapy. *Anesthesiology*: A2066, 2013.
8. Elmofty D. Neuraxial Simulation. *Anesthesiology*: A308, 2017.
9. Elmofty D. Virtual Reality Kyphoplasty Simulation with real-time haptic feedback. *Anesthesiology*: A2131, 2018.
10. Elmofty D, Tucker A, Wuenstel A, Cheng P, Fox E, Knoebel R, Chuanghong L, Scavone B. Varying dosages of subcutaneous unfractionated heparin and activated partial thromboplastin time in hospitalized antepartum patients: a retrospective cohort analysis. *Anesthesiology* 2021: A2021

International Anesthesia Research Society Annual Meeting

11. Buvanendran A, Moric M, Elmofty D, Kroin JS, Tuman KJ. The effect of acute postoperative pain on range of motion at time of discharge after total knee arthroplasty. *Anesth Analg* 96:S203, 2003.
12. Buvanendran A, Elmofty D, Moric M, Kroin JS, Tuman KJ. Reduction in postoperative nausea and vomiting following preoperative and postoperative administration of rofecoxib for total knee arthroplasty. *Anesth Analg* 98:S178, 2004.
13. Buvanendran A, Moric M, Elmofty D, Kroin JS, Tuman KT. Patient satisfaction with analgesia after preoperative and postoperative administration of rofecoxib. *Anesth Analg* 98:S181, 2004.

American Society of Regional Anesthesia and Pain Medicine Annual Meeting

14. Buvanendran A, Kroin JS, Elmofty D, Saha C, Tuman KJ. Human blood-brain-barrier penetration of oral rofecoxib, a selective cyclooxygenase-2 (COX-2) inhibitor: single dose pharmacokinetic study. *Reg Anesth Pain Med* 29(2):A20, 2004.
15. Elmofty D, Chowdury H. The role of simulation training in assessing the manual skills involved in performing epidural catheter insertion during residency training: survey results. *Reg Anesth Pain Med* 2014; A109.
16. Elmofty D. Pain medicine fellowship training meets immersive touch: virtual reality simulation for interventional pain procedures. *Reg Anesth Pain Med* 2016; A3068.
17. Orr A, Elmofty D, Kohan L. Practice pattern of academic/hospital-based and private practice hospitals safety initiatives for opioids: Survey results of practice patterns based on practice type, scope, and location. *Reg Anesth Pain Med* 2019; A431.
18. Pena I, Kohan L, Renwick C, Elmofty D. Naloxone Prescribing Patterns: A Cross-Sectional Survey Study and Safety Initiative. *Reg Anesth Pain Med* 2019; A354.
19. Renwick C, Pena I, Kohan L, Elmofty D. A Cross-Sectional Survey Study Analyzing Perceived Barriers to Prescribing Naloxone Based on Practice Type, Scope, and Location: A Cross-Sectional Survey Study Analyzing Perceived Barriers to Prescribing Naloxone Based on Practice Type, Scope, and Location. *Reg Anesth Pain Med* 2019; A352
20. Dwyer K, Choi S, Ito S, Elmofty D. Intravenous lidocaine infusions for pain. *Reg Anesth Pain Med* 2021; A1795
21. Plunkett H, Bhutra S, Hagedorn J, Elmofty D, Warner N, Bendel M, Kohan L. Survey assessing pre-procedural patient education for spinal cord stimulator placement. *Reg Anesth Pain Med* 2021; A2484.

Medical Education Day University of Chicago

22. Elmofty D. Problem based learning discussion for medical student pain curricula. Medical Education Day, University of Chicago November 17th, 2011.

23. Chowdhury H, Elmofty D. Collaborative case conferences: a unique opportunity to enhance pain management fellowships. Medical Education Day, University of Chicago November 2013.
24. Elmofty D, Chowdhury H. Simulation training in epidural catheter insertion during residency training. Medical Education Day, University of Chicago November 2014.
25. Lambrix M, Roitberg B, Yang C, Elmofty D, Small S. Resident training meets immersive touch: how innovative virtual reality simulation training programs are helping prepare residents for real world procedures. Medical Education Day, University of Chicago November 2015.

Annual Quality & Safety Symposium University of Chicago

26. Malec M, Elmofty D, Rubin D, Prachand V, Weyer G, Knoebel R, Devanagondi S, Bowsman D. Multi-Modal Analgesic Therapy for Acute and Chronic Pain. Annual Quality & Safety Symposium University of Chicago, 2019.
27. Elmofty D. Clinical Care Pathways for Pain Management. Annual Quality & Safety Symposium University of Chicago, October 2020.

Midwest Pain Society Annual Meeting

28. Elmofty D, Kohan L: Opioid Safety Initiatives. Midwest Pain Society 44th Annual Meeting. Chicago, IL Sept 24th-25th, 2020
29. Francis M, Elmofty D. Evaluation of plasma levels for intravenous lidocaine infusions. 45th Annual Midwest Pain Society Meeting (1st place winner top abstracts)

Vizient Pharmacy Network Meeting

30. Dwyer K, Choi S, Ito S, Elmofty D. Evaluation of plasma concentrations for intravenous lidocaine infusions for pain. Vizient Pharmacy Virtual Network 2020

Book chapters:

1. Elmofty D, Cutter T. Overview of a general anesthetic. In: Woodworth G, Sayers-Rana S, Kirsch JR, Eds. The Anesthesia Technician & Technologist's Manual: All You Need to Know for Study and Reference. Philadelphia: Lippincott Williams & Wilkins, a Wolters Kluwer Health, pp. 175-189, 2012.
2. Elmofty D, Buwanendran A. Postsurgical thoracic pain. In: Hayek SM, Shah BJ, Desai MJ, Chelimsky TC, Eds. Pain Medicine: An interdisciplinary Case-Based Approach. New York: Oxford University Press, pp. 321-336, 2015.
3. Elmofty D. How do you determine if a patient has opioid-induced hyperalgesia? In: Scher C, Clebone A, Miller SM, Roccaforte JD, Capan LM, Eds. You're Wrong, I'm Right: Dueling Authors Reexamine Classic Teachings in Anesthesia, Springer, pp.367-368, 2016.
4. Elmofty D. Is a Tricyclic antidepressant the best first-line agent in treating neuropathic pain? In: Scher C, Clebone A, Miller SM, Roccaforte JD, Capan LM, Eds. You're Wrong, I'm Right: Dueling Authors Reexamine Classic Teachings, Springer, pp.361-362, 2016.
5. Elmofty D. Seroma or hygroma formation after implantation of an intrathecal drug delivery system or a spinal cord stimulator. In: Anitescu A, Benzon HT, Wallace MS, Eds. Challenging Cases and Complication Management in Pain Medicine, Springer, pp. 189-192, 2018.
6. Elmofty D. Occipital nerve block complications In: Anitescu A, Benzon HT, Wallace MS, Eds. Challenging Cases and Complication Management in Pain Medicine, Springer, pp. 295-298, 2018.
7. Silva B, Elmofty D. Traumatic spinal cord injury after cervical interlaminar epidural steroid injections In: Anitescu A, Benzon HT, Wallace MS, Eds. Challenging Cases and Complication Management in Pain Medicine, Springer, pp.59-63, 2018.

8. Rao P, Elmofty D. Epidural Emphysema after placement of a thoracic epidural catheter. In: Anitescu A, Benzon HT, Wallace MS, Eds. Challenging Cases and Complication Management in Pain Medicine, Springer, pp. 333-336, 2018.
9. Pranav H, Elmofty D. A case-based approach to neuropathic pain. In: Anitescu A, Eds. Pain Management Review: A Problem-Based Learning Approach, Oxford University Press, pp. 118-125, 2018.
10. Elmofty D. Opioid-induced hyperalgesia, tolerance and chronic postsurgical pain; a dilemma complicating postoperative pain management In: Anitescu A, Eds. Pain Management Review: A Problem-Based Learning Approach, Oxford University Press, pp. 303-309, 2018.
11. Elmofty D, Cutter T. Overview of a general anesthetic In: Guimaraes E, Davis M, Kirsch J, Woodworth G, Eds. The Anesthesia Technician and Technologist's Manual 2E, Lippincott, Williams & Wilkins, pp. 179-192, 2018.
12. Kenny J, Elmofty D. Postsurgical neuralgia In: Cheng J, Eds. Neuropathic Pain: A case-based approach to practical management, Oxford University Press, pp. 73-80, 2018
13. Aboumerhi H, Elmofty D. Transcutaneous electrical nerve stimulation In: Abd-Elseyed A. Eds. Pain: A review guide, Springer, pp. 715-717, 2019
14. Reed A, Elmofty D. Multiple Sclerosis In: Abd-Elseyed A. Eds. Pain: A review guide, Springer, pp. 1227-1230, 2019.
15. Jain S, Elmofty D. A 35-year-old male with chronic abdominal pain (chronic pancreatitis) In: Malik T. Eds. Practical Chronic Pain Management: A Case-Based Approach, Springer Nature Switzerland AG, pp 169-178, 2020
16. Patel D, Elmofty D. A 35-year-old opioid-tolerant patient with uncontrolled pain after surgery In: Malik T. Eds. Practical Chronic Pain Management: A Case-Based Approach, Springer Nature Switzerland AG, pp 381-388, 2020.
17. Goodman E, Reed A, Rezvi U, Elmofty D. Patient with fibromyalgia In: Abd-Elseyed A. Eds. Guide to the Inpatient Pain Consult, Springer Nature Switzerland AG, pp 415-428, 2020
18. Rybar D, Elmofty D. Craniofacial pain: supraorbital, infraorbital, auriculotemporal nerve block In: Banik R Eds. Anesthesiology in-Training exam review Regional Anesthesia and Chronic Pain, Chapter 13, Springer International Publishing 2022
19. Reilly A, Elmofty D. NSAIDs' In: Abd-Elseyed A Eds. Basic Anesthesia Review, Oxford University Press 2022
20. Pan W, Elmofty D. Abdominal wall anatomy In: Abd-Elseyed A Eds. Basic Anesthesia Review, Oxford University Press 2022
21. Aras, N.G., Puszyński, M., Coppes, O., Elmofty, D.H. (2022). Periarticular Shoulder Injections. In: Souza, D., Kohan, L.R. (eds) Bedside Pain Management Interventions. Springer, Cham. https://doi.org/10.1007/978-3-031-11188-4_49
22. Pan, W., Corral, S.C., Elmofty, D.H. (2022). Intercostal Nerve Blocks. In: Souza, D., Kohan, L.R. (eds) Bedside Pain Management Interventions. Springer, Cham. https://doi.org/10.1007/978-3-031-11188-4_41
23. Orr A, Elmofty D, Kohan L. THE PAINFUL VASO-OCCLUSIVE SICKLE CELL EPISODE. Regional Anesthesia and Acute Pain Medicine: A Problem-Based Learning Approach. 2023 Apr 21:483.

Other works that are publicly available (websites, interviews, publications in the popular press, testimony, protocols, reagents, inventions, etc.)

- 2010: I developed educational material to aid anesthesia residents in the management of acute pain (epidural and PCA management, epidural flow sheet, anticoagulants and antiplatelets in patients receiving neuraxial and peripheral nerve blocks) that are published on the DACC Intranet and in the DACC resident handbook.
- 2010: I developed an educational patient guide for epidural analgesia that is distributed to pre-surgical patients seen in the anesthesia perioperative medicine and pain clinics at UCMC.
- 2015: I developed on-line video-lectures for anesthesia residents (available on canvas website) as part of the flipped classroom pedagogical model/ self-directed professional development (Pain Pathways and Perioperative Pain Management, Epidural Insertion, Epidural Placement Video)

- 2017: Press Mention in “House health care proposal could hamper addiction treatment” Tribble Agency.com March 15, 2017.
https://www.doximity.com/doc_news/v2/entries/6867341
- 2017: Press mention in “ACA repeal and replace. How will chronic pain and patients fare? Practice Pain Management. Claire Altschuler, April 4, 2017.
<https://www.practicalpainmanagement.com/resources/news-and-research/aca-repeal-replace-how-will-chronic-pain-patients-fare?page=0,1>
- 2018-2019: I developed opioid weaning guidelines and clinical care pathways for acute and chronic-non cancer pain that has been integrated into EPIC for UCMC providers as part of ongoing pain stewardship initiatives. Document is present on AgileMD “Multimodal Pain Management”. I was the clinical champion for this clinical care pathway.
- 2020: I developed a series of educational material available on uchicagobox for Pain Fellowship Program
- 2024: Podcast Interview with INS

Clinical trials that completed

1. IRB16-1742 SC Heparin (Elmofty Sub-I) completed/published Anesthesia & Analg 2022
2. IRB17-1407 Virtual simulation for pain fellowship. (Elmofty PI) completed abstract ASRAPain Fall meeting 2016
3. IRB19-1172 Subcutaneous Unfractionated Heparin Antepartum Patients. (Elmofty PI) completed/published Anesthesia & Analg 2022
4. UVA IRB 2019 Opioid Safety Initiatives (Elmofty Co-PI) -completed/published Journal Opioid Management 2021
5. Mayo IRB 2020 Patient Education and Neuromodulation (multi-institutional) IRB exempt Mayo (Elmofty Sub-I) completed abstract ASRAPain Medicine Fall meeting 2021
6. IRB21-0510 SOLIS (Elmofty Sub-I) Boston Sci (enrollment closed)

Clinical trials terminated

7. IRB21-0923 RISE Study: (Elmofty PI, Grunenthal Sponsored-terminated due to contract negotiation)
8. IRB22-06944 KF7039-02 Knee study (Elmofty PI, Grunenthal sponsored- terminated due to contract negotiation)
9. IRB21-0957 FLEX Study: (Elmofty Sub-I) Micron Medical Corp Study withdrawn
10. CIRB21-0925: EPPIC-NET EN20-01 (Elmofty Sub-I) NIH, Study withdrawn.
11. IRB22-0721 FREEDOM-1 (Elmofty Sub Investigator Stimwave) Study withdrawn.

Clinical trials ongoing

12. IRB16-1628 Epidural simulation training (Elmofty PI)
13. IRB 19-1016 Intravenous lidocaine infusion for traumatic rib fractures (Elmofty PI)
14. IRB20-1032 Lidocaine Plasma Concentrations in patients receiving intravenous lidocaine infusions (Elmofty PI) -manuscript being completed
15. IRB20-1098 Diabetic Neuropathy: Spinal Cord (Elmofty Sub-I)
16. IRB20-0060 Post-FreePass (Elmofty Sub-I)
17. IRB20-0645 Short- and Long-term effects of COVID-19 (Elmofty Sub-I)
18. IRB20-1900: FAST Study (Elmofty Sub-I)
19. IRB20-0124: Reality Study (Elmofty Sub-I)
20. IRB20-0401 GNA vs GAE: (Elmofty Sub-I) NIH
21. IRB22-0642: RTX-CAP-201 (Elmofty Sub-I) Sorrento Therapeutics

Works in review, in preparation

1. Dwyer K, Choi S, Ito S, Liao C, Elmofty D. Evaluation of Lidocaine Plasma Concentrations in patients receiving intravenous lidocaine infusions for pain
2. Foster A, Elmofty D. Ilioinguinal nerve blocks. In: Abd-Elseyed A. Interventional Management of Pelvic Pain 1st edition, Elsevier (completed, not yet published)
3. Pan J, Elmofty D. Occipital neuralgia (greater, lesser, third occipital) In: Trescot AM, Abd-Elseyed A, Interventional Management of Headache Pain, Elsevier (completed, not yet published)
4. Malcom T, Elmofty D. Cervicogenic headaches. In: Trescot AM, Abd-Elseyed A, Interventional Management of Headache Pain, Elsevier (completed, not yet published)
5. Peng J, Reilly A, Elmofty D. Intracranial Headaches In: Trescot AM, Abd-Elseyed A, Interventional Management of Headache Pain, Elsevier (completed, not yet published)
6. Ram B, Boss S, Gwede M, Elmofty D. Opioid agonists and perioperative management of patients on maintenance therapy In: Schroeder KM, Abd-Elseyed A, Perioperative Pain management (completed not yet published)
7. Honorio T. Benzon, MD, Dalia Elmofty, MD, Hariharan Shankar, Maunak Rana, MD, MD, Andrea L. Chadwick, MD, Shalini Shah, MD, Dmitri Souza, MD, Ameet S. Nagpal, MD, Salahadin Abdi, MD, Christian Rafla, BS, Alaa Abd-Elseyed, MD, Tina Doshi, MD, Maxim Eckmann, MD, Thanh Hoang, MD, Christine Hunt, MD, Carlos A. Pino, MD, Jessica Rivera, MD, Byron Schneider, MD, Alison Stout, MD, Angela Stengel, Maged Mina, MD, John Fitzgerald, MD, Joshua Hirsch, MD, Ajay Wasan, MD, Tim Maus, MD, Laxmaiah Manchikanti, MD, David Provenzano, MD, Samer Narouze, MD, Steve P. Cohen, MD, Ariana Nelson, MD, Harsha Shanthanna, MD. A Multispecialty Multisociety Practice Guideline on the Performance and Safety of Steroid Injections Part III: Sympathetic and Peripheral Nerve Blocks, Trigger Point Injections (RAPM submitted)
8. Honorio T. Benzon, MD, David Provenzano, MD, Christine Hunt, DO, Ameet Nagpal, MD, MS, MEd, MBA, Dmitri Souza, MD, PhD, Maxim Eckman, Ariana Nelson, MD, Maged Mina, MD, Alaa Abd-Elseyed, MD, Dalia Elmofty, MD, Andrea Nicol Chadwick, MD, Tina Doshi, MD, Carlos A. Pino, MD, Maunak Rana, MD, Shalini Shah, MD, Hariharan Shankar, MD, Alison Stout, MD, Salahadin Abdi, MD, PhD, Steve Cohen, MD, Joshua A. Hirsch, MD, Laxmaiah Manchikanti, MD, Tim Maus, MD, Samer Narouze, MD, Harsha Shanthanna, MD, PhD, Byron J. Schreiner, MD, Ajay Wasan, MD, MSc, Jessica Rivera, MD, Thanh Hoang, MD, John Fitzgerald, MD. A Multispecialty Multisociety Practice Guideline on the Safety of Steroid Injections Part II: Joint, and Other Musculoskeletal Soft Tissue Injections (in Progress to be submitted RAPM)
9. Honoria T. Benzon et al. A Multispecialty Multisociety Practice Guideline on the Safety of Steroid Injections Part I: Epidural Steroid Injections (in progress to be submitted to RAPM)
10. Magda Anitescu, Francio T, Elmofty D, Scott Brancolini, Boris Spektor, Christopher Sobey, Puneet Mishra, Sayed Wahezi, Lynn Kohan Educational Guidelines for Multidisciplinary Pain Medicine Fellowship: Historical Perspective and Basic Medical Knowledge for Pain Medicine Fellowship (Book)
11. Wright R, McNally A, Melvin B. Elmofty D. Allodynia: A Review of literature. Curr Pain Headache Rep (in press)
12. Occipital Nerve Block Guidelines co-sponsored by ASRA and AIHS-in progress
13. Elmofty D. Spinal cord stimulator lead fracture. Neuromodulation Newsletter

HONORS, PRIZES, AND AWARDS

- 2007 Chief Resident Rush University Medical Center
- 2008 Department of Anesthesia, Rush University Medical Center Robert D. Dripps, M.D., Memorial Award outstanding graduate resident in Anesthesiology
- 2008 Midwest Anesthesia Residents Conference First prize for presentation
- 2008 Rush Surgical Research Society First prize for presentation: Perioperative pregabalin improves postoperative outcomes after total knee arthroplasty
- 2019 Outstanding Service Award Certificate for demonstrating excellent patient care, University of Chicago
- 2019 Fellow of the American Society of Anesthesiologists (FASA) designation
- 2020 Acknowledgement of Reviewers Pain Medicine (Bhatia A, et al. Acknowledgement of Reviewers (2020). Pain Medicine. 2021;22(1):229-35)

- 2021 Illinois Top Doctor Pain Medicine
- 2021 Midwest Pain Society E. Richard Blonsky Award
- 2021 American Society of Regional Anesthesia "Most Valuable Physician Award" 20th Annual Pain Medicine Meeting

INVITED SPEAKING

INTERNATIONAL

European Society of Regional Anesthesia

- 1. Neuromodulation: Magnetic Stimulation and other medical devices for the treatment of chronic headaches. ESRA Meeting, September 2020

NATIONAL

American Society of Anesthesiologists Annual Meeting (ASA)

1. A right septic elbow and a large pericardial effusion: general vs. regional anesthesia. Problem based learning discussion. Chicago, IL 2011.
2. Cervical, thoracic and lumbar epidural injections. Clinical cadaver workshop. Chicago, IL 2011.
3. Basic peripheral nerve/muscle blocks for chronic pain with ultrasound. Clinical cadaver workshop. Washington, D.C, MD 2012.
4. Opioid-induced hyperalgesia, tolerance, and chronic postsurgical pain; a dilemma complicating postoperative pain management. Problem-based learning discussion. San Francisco, CA 2013.
5. Future treatment directions in chronic pain medicine: gene therapy, genotypes and phenotypes in opioid dependence. Panel discussion. San Francisco, 2013.
6. Spinal injections with fluoroscopy: advanced techniques (cervical/thoracic). Cadaver workshop. San Francisco, CA 2013.
7. Moderator scientific abstracts. San Francisco, CA 2013.
8. A dilemma complicating postoperative pain management. Problem-based learning discussion. New Orleans, LA 2014.
9. Ultrasound guided injections-live models: basic techniques. Ultrasound workshop. New Orleans, LA 2014.
10. Complications in pain medicine and preventive strategies. Clinical forum. New Orleans, LA 2014.
11. Regional anesthesia for patients on anticoagulation therapy in ambulatory surgery. Panel discussion. San Diego, CA 2015.
12. Pain bioskills lab: Ultrasound guided blocks of the trunk and major joints (live models) for chronic pain. Ultrasound workshop. San Diego, CA 2015.
13. The perioperative surgical home and chronic pain patient: anesthesiologists, surgeons, and pain physicians playing a vital role. Problem-based learning discussion. San Diego, CA 2015.
14. Moderator Scientific Abstract. San Diego, CA 2015.
15. Transitioning a colleague's difficult pain patient, clean up job or opportunity: managing a difficult patient. Panel discussion. Chicago, IL 2016.
16. Perioperative management of a difficult pain patient undergoing routine surgery. Clinical forum. Chicago, IL 2016.
17. The role of the sympathetic block in chronic pain: physiology of sympathetic mediated pain. Panel discussion. Chicago, IL 2016.
18. Pain bioskills lab: Ultrasound-guided blocks of major joints (live models) for chronic pain: nerve blocks and intra-articular injections. Ultrasound workshop. Chicago, IL 2016.
19. Moderator scientific abstract. Chicago, IL 2016.
20. Pain bioskills lab: Ultrasound-guided blocks for large and small joints: nerve blocks and intra-articular injections, novel radiofrequency ablation techniques for hip and knee pain (cadaver, fluoroscopy, ultrasound, and live models) Ultrasound workshop. Boston, MA 2017.
21. Pain bioskills lab: Ultrasound guidance for spinal access and paraspinal blocks, sympathetic and abdomino-pelvic blocks for chronic pain (cadaver, fluoroscopy, live models, ultrasound). Boston, MA 2017.
22. Pain bioskills lab: Ultrasound and fluoroscopic guided blocks and radiofrequency ablation for large and small joints. San Francisco, CA 2018
23. Tackling the opioid crisis: implementation strategies to take home. San Francisco, CA 2018.

24. Professional Development: Teaching Techniques Available for the Anesthesiologist. Orlando, FL 2019
25. The Untold Story of Racial, Ethnic, and Sexual (LGBTQ) Minorities in Chronic Pain Orlando, FL 2019
26. Anesthetic Considerations of Patients with Implantable Pain Management Devices. Orlando, FL 2019
27. Snap Talk: Breaking into Leadership with the Women of Regional Anesthesia and Pain Medicine. Orlando, FL 2019
28. Bridging the Gap Between Acute and Chronic Pain Management for the Anesthesiologist: Novel Perioperative Approaches. Orlando, FL 2019
29. Moderator Scientific Abstracts. Orlando, FL 2019
30. Navigating the Frontiers of Regional Anesthesia? Novel Techniques and Service Lines to Expand Your Practice. San Diego, CA 2021
31. TED Talk, "How we fail minority patients in pain management". San Diego, CA 2021
32. See how I feel, not who I am. San Diego, CA 2021
33. Bedside Pain Procedures: Ultrasound Guided Injections of Joints and Nerve Blocks for Acute and Chronic pain of the Hip, Knee, Shoulder (Ultrasound/ Live Models) San Diego CA 2021
34. Bedside Pain Procedures Ultrasound Guided Injections Joints & Nerve Blocks for Acute & Chronic Pain for Hip, Knee, Shoulder (Ultrasound/Live Models) New Orleans 2022
35. Rethinking the Use of Steroids for Interventional Pain Procedures New Orleans 2022
36. The Future is Now: Innovation Therapies for Patients Who Suffer from Long-term Pain New Orleans 2022
37. Implicit Bias and the Impact on Pain Medicine New Orleans 2022
38. Best Intentions Won't Solve the Problem: Strategies to Combat Implicit Bias in Anesthesiology and Pain Medicine San Francisco 2023
39. WS825. Ultrasound Guided Functional Exam & Injections of Joints & Nerves for Acute and Chronic pain of Hip, Knee, Shoulder San Francisco 2023

Poster Presentations at ASA

1. Waghela N, Elmofty D. MRI Artifact from Proseal LMA. Anesthesiology: MC, Chicago, IL 2011.
2. Doshi N, Elmofty D. Ischemic Optic Neuropathy: a contraindication to robotic cases? Anesthesiology: MC122, Washington, D.C, MD 2012.
3. Norstedt P, Elmofty D. Epidural blood patch for acute intracranial pneumocephalus. Anesthesiology: MC74, Washington, D.C, MD 2012.
4. Patel N, Elmofty D. Continuous thoracic epidural as the primary anesthetic for bilateral mastectomy. Anesthesiology: MC906, Washington, D.C, MD 2012.
5. Estime S, Elmofty D. Intrathecal catheter placement in the anticoagulated patient. Anesthesiology: MC52, San Francisco, CA 2013.
6. Kaufmann R, Singh R, Malik T, Elmofty D, Anitescu M. When breathing is affected: pitfalls of peripheral nerve catheters. Anesthesiology: MC441, San Francisco, CA 2013.
7. Guenzer J, Elmofty D. Robotic uvulopalatopharyngoplasty: A novel approach for treatment of obstructive sleep apnea. Anesthesiology: MC923, New Orleans, LA 2014.
8. Adeleke I, Elmofty D. Anesthetic management of a parturient with coronary cameral fistula. Anesthesiology: MC997, New Orleans, LA 2014.
9. Goldman MA, Permut T, Elmofty D. Brachial plexus neuropraxia following shoulder arthroscopy. Anesthesiology: MC 2139, San Diego, CA 2015.
10. Mader TW, Elmofty D. Acute cerebellar herniation and the case for a stat epidural blood patch. Anesthesiology: MC 2121, San Diego, CA 2015.
11. Rao PM, Elmofty D. A case of epidural emphysema. Anesthesiology: MC 2492, San Diego, CA 2015.
12. Silva B, Elmofty D. Intra-Abdominal Fluid Extravasation during hip arthroscopy. Anesthesiology: MC1358, Chicago, IL 2016.
13. Levin D, Elmofty D. Spinal cord stimulation for chronic pelvic pain. Anesthesiology: MC2546, Chicago, IL 2016.

14. Stombaugh K, Elmofty D. Ketamine infusion for intractable chronic neuropathic pain in a patient with friedreichs ataxia and voltage gated potassium channelopathy. Anesthesiology: MC 1620, Boston, MA 2017.
15. Harkins P, Elmofty D. Epidural Septum Seen on Multiple LESI. Anesthesiology: MC3167, Boston, MA 2017.
16. Basu A, Bradford C, Elmofty D. Block The Shock: Stellate Ganglion Blockade For Ventricular Tachycardia Storm. Anesthesiology: MC2848, San Francisco, CA 2018.
17. Fisher D, Elmofty D. Reducing the risk of epidural catheter breakage and proposed management of a retained intrathecal catheter. Anesthesiology: MC3427, San Francisco, CA 2018.
18. Aboumerhi H, Elmofty D. Self-limited Spinal Subarachnoid Hemorrhage after Lumbar Spinal Drain Removal while on Clopidogrel: MC3534, Orlando, FL 2019
19. Wright R, Elmofty D. The case of the spinal cord stimulator: MCC08 Anesthesiology San Francisco, CA 2023

American Society of Regional Anesthesia and Pain Medicine (ASRAPain)

1. Ultrasound for pain medicine workshop. Chicago, IL 2010.
2. WS-04 cervical and thoracic spine blocks: medial branches/intra-articular, epidural catheter steering/adhesiolysis. Fluoroscopy and cadaver workshop. San Diego, CA 2016.
3. WS-16 fusion: bridging from fluoroscopy to ultrasound for blocks of the head and neck-trigeminal ganglion, SPG, cervical medial branches/third occipital nerve, stellate ganglion. Fluoroscopy and ultrasound workshop; cadaver, live model. San Diego, CA 2016.
4. WS-18 fusion: ultrasound fluoroscopic techniques for treating soft tissue injuries (platelet rich plasma, hip/knee/shoulder injection and visco-supplementation, trochanteric injection, elbow/wrist, suprascapular nerve injection. Fluoroscopy and ultrasound workshop; cadaver, live model. San Diego, CA 2016.
5. Pain and MSK ultrasound and cadaver course. Chicago, IL 2017.
6. WS-05 hands-on fluoroscopy & ultrasound workshop fusion: ultrasound and fluoroscopy for blocks of the head & neck (trigeminal, SPG, cervical medial branches, CON/TON, stellate ganglion. Orlando, FL 2017.
7. WS-15 hands-on fluoroscopy & ultrasound workshop fusion: ultrasound and fluoroscopy for abdominal and pelvic blocks (TAP/ilioinguinal, pudendal nerve, piriformis, quadratus lumborum, sacrococcygeal lig/caudal entry). Orlando, FL 2017.
8. WS-10 hands-on ultrasound workshop ultrasound in pain medicine II. Orlando, FL 2017.
9. Moderator scientific abstract. Orlando, FL 2017.
10. WS-08 hands-on ultrasound workshop (live models). Ultrasound in pain medicine II. San Antonio, TX 2018.
11. WS-01 half-day special session ultrasound workshop (live-models). Advances in ultrasound, MSK, and novel nerve blocks. San Antonio, TX 2018.
12. WS-21 resident/fellow ultrasound workshop (live models). Sonoanatomy and hands-on ultrasound workshop. San Antonio, TX 2018.
13. WS-14 hands-on workshop fluoroscopic & ultrasound workshop (cadaver, live model, task trainer). Cooled and conventional RFA of the thoracic and cervical spine, intercostals nerves. San Antonio, TX 2018.
14. Medico-Legal Issues in Pain Practice/ Robust Documentation of Phone Call Encounters. San Antonio, TX 2018.
15. Moderator Scientific Abstract. San Antonio, TX 2018.
16. WS-01 Advanced Musculoskeletal Ultrasound for Pain Medicine (Advanced Course). New Orleans, LA 2019
17. WS-08 Ultrasound in Pain Medicine II: Common Pain Procedures: Suprascapular Nerve, Ilioinguinal Nerve, Genitofemoral Nerve, Stellate Ganglion, Greater Occipital, Piriformis, Pudendal. New Orleans, LA 2019
18. WS-15 Cervical and Thoracic RFA: Cooled and Traditional RFA. New Orleans, LA 2019
19. WS- 19 Fluor-anatomy and Hands-On Fluoroscopy Workshop. New Orleans, LA 2019
20. Moderator Scientific Abstracts. New Orleans, LA 2019
21. ASRA MSK Workshop Chicago, IL 2020 (Canceled due to Covid)

22. Tricking our nervous system: Is Neuromodulation (including magnetic stimulation) useful? 19th Annual Pain Medicine Meeting ASRA Virtual Meeting 2020
23. Tackling the Opioid Crisis: Implementation Strategies to Take Home-Hospital Initiatives, Harm Reduction Tools, and Beyond. 19th Annual Pain Medicine Meeting ASRA Virtual Meeting 2020
24. Patients and Physicians, Implicit and Explicit Bias, Discriminating and Being Discriminated: Impression, Reality, or Double Standard? 19th Annual Pain Medicine Meeting ASRA Virtual Meeting 2020
25. Novel Innovations and burnout: Does it help or increase burden? 20th Annual Pain Medicine Meeting ASRA Pain Medicine 2021
26. Risk Mitigation and complication management best practices. 20th Annual Pain Medicine Meeting ASRA Pain Medicine 2021
27. Chronic Back Pain in Non-surgical Candidate 20th Annual Pain Medicine Meeting ASRA Pain Medicine 2021
28. Crisis Management Interventional Pain Simulation 20th Annual Pain Medicine Meeting ASRA Pain Medicine 2021 (Event cancelled due to logistics and pandemic)
29. Ask the Experts Panel Discussion Career Mentoring: Tips for Building Your Pathway to Success Monday, October 17 2022 (Webinar WRAPM SIG)
30. Ask the Experts Interactive Session Infusion Therapy in Chronic Pain: From Intravenous to Intrathecal therapy, 21st Annual Pain Medicine Meeting ASRA Pain Medicine November 2022 Orlando Florida
31. Ask the Experts: Career choices for the pain trainee, 21st Annual Pain Medicine Meeting ASRA Pain Medicine November 2022, Orlando Florida
32. Interactive Demonstration Workshop Hands-on Integrative Medicine, 21st Annual Pain Medicine Meeting ASRA Pain Medicine November 2022, Orlando Florida
33. Chronic Post-operative pain symposium ASRA Pain Medicine March 11, 2023 (Virtual)
34. MSK Ultrasound Cadaver Course ASRA Pain Medicine June 10-11, 2023, Chicago IL
35. WS-09 Fluoroscopy & Ultrasound Workshop Peripheral Nerve Track: PNS Stimulation and Ultrasound Neurography ASRA Pain Medicine Fall meeting New Orleans, LA Nov 2023
36. Workshop Coordinator ASRA Pain Medicine Fall Meeting New Orleans, LA Nov 2023
37. Facilitator Exhibit Hall ASRA Pain Medicine Fall Meeting New Orleans, LA Nov 2023
38. The Challenges We Face as Women In Regional Anesthesia and Pain Medicine, ASRA Pain Medicine Fall Meeting New Orleans, LA Nov 2023

Poster Presentations at ASRAPain

1. Elmofty D. Temporary paraplegia after ESI: compression from the injectate. Reg Anesth Pain Med; A46. Phoenix, AZ 2010.
2. Waghela N, Elmofty D. Octreotide and peripheral neuropathy: A new adjunct for therapy. Reg Anesth Pain Med; A209. New Orleans, LA 2011.
3. Rahman R, Rupani G, Anitescu A, Elmofty D, Malik T. Complex management of cancer pain in a young adult with retroperitoneal alveolar soft part sarcoma: a case report. Reg Anesth Pain Med; A242 New Orleans, LA 2011.
4. Hopcian J, Elmofty D. A case of idiopathic spinal cord herniation. Reg Anesth Pain Med; A175. Miami, FL 2012.
5. Lanigan M, Waghela N, Elmofty D. Myonecrosis after an occipital nerve block. Reg Anesth Pain Med; A78. Miami, FL 2012.
6. Patel K, Elmofty D. Post-operative epidural pain management in a patient with multiple sclerosis and a baclofen pump. Reg Anesth Pain Med; A228. Phoenix, AZ 2013.
7. Tantoco A, Elmofty D. Continuous epidural anesthesia as the primary anesthetic for modified radical mastectomy in a patient with pulmonary fibrosis. Reg Anesth Pain Med; A244. Phoenix, AZ 2013.
8. Qureshi O, Elmofty D. Prolonged motor block after three-in-one femoral nerve block. Reg Anesth Pain Med; A342. Miami, FL 2015.
9. Ha J, Elmofty D. Antithrombotic Drugs and Epidural Hematoma in Interventional Pain Procedures. Reg Anesth Pain Med; A834. Miami, FL 2015.

10. Reed A, Sudhakaran S, Elmofty D. Management of spinal cord stimulator lead infection in a MRSA colonized patient. Reg Anesth Pain Med: A4523 Orlando, FL 2017.
11. Aboumerhi H, Elmofty D. Treatment of intractable hiccups with intravenous ketamine infusion. Reg Anesth Pain Med: A4049. Orlando, FL 2017.
12. Yang S, Elmofty D. Management of chronic pain in a rare case of recurrent pigmented villonodular synovitis. Reg Anesth Pain Med: A4138. Orlando, FL 2017.
13. Jacobs D, Elmofty D. Supraorbital stimulation for the treatment of supraorbital neuralgia: a complication of skin erosion and lead extrusion. Reg Anesth Pain Med: A5868. San Antonio, TX 2018.
14. Joseph A, Silva B, Elmofty D. Percutaneous lumbar decompression for the treatment of neurogenic claudication. Reg Anesth Pain Med: A6260. San Antonio, TX 2018.
15. Aras N, Goodman E, Elmofty D. Intrathecal fibronolytic therapy administration with a thoracic epidural catheter. Reg Anesth Pain Med 2019, A433.
16. Patel S, Mameghani N, Joseph A, Elmofty D. A novel case of lead disruption/fraying in a patient with a spinal cord stimulator. Reg Anesth Pain Med 2020: A1325
17. Mameghani N, Elmofty D. A case of seroma or infection. Reg Anesth Pain Med 2020: A1395
18. Srivastava V, Elmofty D. Complications of a spinal cord stimulator fractured lead extraction after 8 years of implantation and a retained lead. Reg Anesth Pain Med 2021: A2447.
19. Pan W, Xiao J, Elmofty D. Cervical Spinal Cord stimulation in a patient with multiple sclerosis. Reg Anesth Pain Med 2022: A3537

North American Neuromodulation Society (NANS)

1. Keeping Up with the Dynamic Field of Neuromodulation: Mentoring, Educational and Teaching Techniques of the Future: Simulation Scenarios in Neuromodulation: Learning from Basics and Advancing to Expertise NANS 2021 Annual Meeting (Virtual)
2. Assessing the Resident Learning Curve for Neurosurgical and Interventional Procedures NANS 2022 Annual Meeting Orlando, Florida
3. Vessel and nerve dysfunction in diabetes myelitis: neuromodulation techniques for the treatment of both NANS 2022 Annual Meeting Orlando, Florida
4. Imposter Syndrome: Winning Discussions Webinar Series Women in Neuromodulation (WIN): Constructive Suggestions perceived as complaints, March 22nd, 2022
5. Neuromodulation: A new horizon NANS Annual Meeting 2023
6. We've all got homework to do: eliminating inequalities for patients and physicians in interventional pain and neuromodulation NANS Annual Meeting 2023
7. Neuromodulation for "Non-conventional" Pain Indications. Neuromodulation is indicated to treat central neuropathic pain (from multiple sclerosis) NANS annual meeting 2024
8. Take a deep breath: coping with macro and microaggression: Bystander empowerment: responding to racism, discrimination, and microaggression in the clinical setting NANS Annual Meeting 2024
9. Mentoring the next generation of neuromodulators. Simulation role in the teaching of neuromodulation skills NANS annual meeting 2024

Poster Presentations NANS

1. Patel S, Mameghani N, Joseph A, Elmofty D. An Interesting Case of Spinal Cord Stimulator Lead Disruption/Fraying NANS 2021 Annual Meeting (Virtual)
2. Shapiro M, Elmofty D. Device-adverse event during deployment of an interspinous spacer NANS 2022 Annual meeting
3. Wright R, Elmofty D. NANS 2024 Annual Meeting

Society of Academic Associations of Anesthesiology & Perioperative Medicine

1. Building up the future: From medical student to attending, how to identify, guide, mentor and promote fellows to continue in Academia November 2022, Chicago IL.
2. How to intervene with a struggling/problematic fellow. November 2023, Chicago, IL.

Association of Academic Physiatrists: Physiatry '18 Poster Presentation (AAP)

1. Yang S, Elmofty D. Management of chronic pain in recurrent pigmented villonodular synovitis. *Physiatry*: A364690. Atlanta, GA 2018.

American Society of Perianesthesia Nurses 32nd National Conference (ASPAN)

1. Acute postoperative pain management. Chicago, IL 2013.

American Physician Institute (API)

1. Pain management. Anesthesiology board review course. Chicago, IL 2014.
2. Pain management and painful disease states. Anesthesiology board review course. Chicago, IL 2015 (May).
3. Painful disease states. Advanced board review course. Chicago, IL 2015 (November).

American Interventional Headache Society (AIHS)

1. American Interventional Headache Society 5th Advanced Head and Neck Procedures Workshop & 3th Board Review Course Lectures: Ultrasound workshop stellate ganglion block. Chicago, IL 2016.
2. American Interventional Headache Society 6th Advanced Head and Neck Procedures Workshop & 4th Board Review Course Lectures: Ultrasound guided workshop stellate ganglion blocks. Chicago, IL 2017.
3. American Interventional Headache Society 6th Advanced Head and Neck Procedures Workshop & 4th Board Review Course Lectures: Intravenous infusions for headache management. Chicago, IL 2017.
4. American Interventional Headache Society 7th Advanced Head and Neck Procedures Workshop & 5th Board Review Course Lectures: Trigeminal peripheral branch blocks for face pain. Chicago, IL 2018.
5. American Interventional Headache Society 7th Advanced Head and Neck Procedures Workshop & 5th Board Review Course Lectures: Cervical spine sonoanatomy. Chicago, IL 2018.
6. American Interventional Headache Society 12th workshop & 10th Board Review Course Lectures: Intravenous infusion therapy for intractable headaches Chicago, IL October 2022.
7. American Interventional Headache Society 13th workshop & 11th Board Review Course Lectures: Intravenous agents and infusion therapy for intractable headaches Chicago, IL May 2023.

The Association of Pain Program Directors (APPD)

1. Flipped Classroom November 2023 New Orleans

American Osteopathic College of Anesthesiologists (AOCA)

1. The Opioid Epidemic: Is the Perioperative Care Period to Blame? Chicago, IL 2020

REGIONAL

Challenges for Clinicians the University of Chicago Dept of Anesthesia & Critical Care Annual Conference

1. Interscalene and supraclavicular nerve block, ultrasound workshop. Chicago, IL 2009.
2. Pediatric epidural sonoanatomy, ultrasound workshop. Chicago, IL 2010.
3. Transversus abdominis plane and subcostal block, ultrasound workshop. Chicago, IL 2011.
4. Supraclavicular and interscalene nerve block, ultrasound workshop. Chicago, IL 2012.
5. Supraclavicular and interscalene nerve block, ultrasound workshop. Chicago, IL 2013.
6. The perioperative surgical home and chronic pain patients. Problem-based learning discussion. Chicago, IL 2015.

Midwest Anesthesia Conference (ISA)

1. Lumbar median branch, lumbar facet and sacroiliac joint injections. Ultrasound workshop. Chicago, IL 2010.
2. Moderator pain workshop. Chicago, IL 2011.
3. Regional and pain ultrasound workshop. Chicago, IL 2011.

Midwest Pain Society (MPS)

1. Interventional treatments for neuropathic pain syndromes. Chicago IL, 2015.

2. Moderator Cancer Pain. Chicago, IL 2018.
3. Moderator Joint Commission Pain Standards. Chicago, IL 2019.
4. Co-Chair MPS 44th Annual Meeting Virtual 2020
5. Co-Chair MPS 45th Annual Meeting Virtual 2021
6. E. Richard Blonsky Memorial Lecture "How we fail minority patients" MPS 45th Annual Meeting Virtual 2021
7. Novel innovations: does it help or increase burnout. MPS 46th Annual Meeting 2022

LOCAL

University of Chicago

1. A journey through the history of pain management. Grand Rounds. Chicago, IL 2011.
2. Fast facts on pain management. Nursing Grand Rounds Chicago, IL 2011.
3. Truncal blocks. Grand Rounds. Chicago, IL 2016 (May).
4. Regional blocks made easy. Grand Rounds, Chicago, IL 2016 (October).
5. Safe Opioid Prescribing at UCMC. Grand Rounds, Department of Anesthesia, Chicago, IL February 2020
6. The Opioid Epidemic: Is the perioperative period to blame. Grand Rounds, Department of Anesthesia, Chicago, IL April 2020

Poster Presentations

1. 15th Annual Quality and Safety Symposium (2020)
 - a. Mameghani N, Elmofty D. Post-procedure evaluations in the pain clinic
 - b. Joseph A, Elmofty D. Implementing a procedure checklist
 - c. Cassagnol D, Elmofty D. MSSA/MRSA Testing and Decolonization in Patients Undergoing Pain Device Implantation
2. 16th Annual Quality and Safety Symposium (October 2021)
 - a. Aras N, Elmofty D. Cumulative annual steroid administration and improving awareness
 - b. Francis M, Elmofty D. 24-hour post-surgical follow-up note for post-surgical pain procedures.
 - c. Orr A, Elmofty D. Tracking implantable devices for chronic pain in electronic medical devices.

Alexian Brothers Health System

1. Ethics and pain management. CME Consortium (ISMS). Elk Grove Village, IL 2011.

Good Sheppard Hospital

1. Adductor canal block. Lecture and ultrasound workshop. Barrington, IL 2015.

University of Chicago Pain Summit

1. Virtual Reality for Kyphoplasty. Chicago IL, 2017 (May).
2. Virtual Reality for Pain Fellowship Education. Chicago IL, 2018 (February).
3. Virtual Reality for Pain Fellowship Education. Chicago, IL, 2019 (March)
4. Minimal Invasive Lumbar Decompression Simulation for Pain Fellowship Education. Chicago, IL March 2020

VISITING PROFESSOR

1. The Universe of Simulation. From "see one, do one, teach one" to "see one, simulate many, do one". Rush University Medical Center, Chicago, IL 2017.
2. The Opioid epidemic: is the perioperative period to blame. University of Virginia December 2020
3. Invited to be visiting professor University of Wisconsin- delayed due to covid
4. Implicit Bias, Walter Reed National Military Medical Center, Distinguished professor lecture series, May 10, 2022

INVITED, ELECTED, OR APPOINTED EXTRAMURAL SERVICE

National Committees

1. American Society of Anesthesiologists (ASA)
 - 2011-: Educational track subcommittee on pain medicine
 - 2014-2020: Abstract review subcommittee on chronic and cancer pain
 - 2014 Online community ambassador
 - 2016-: Co-chair, Pain workshop subcommittee
 - 2019-: Founding Member "Women in Anesthesiology (WIA)": newsletter liaison
 - 2019-: Vice-Chair Educational Track Subcommittee on Pain Medicine
 - 2020-: Educational track subcommittee on regional anesthesia and acute pain
 - 2021-: Chair, Pain workshop subcommittee
 - 2022-: Ex-officio member of ASA's Committee on Annual Meeting Oversight (AMOC)
 - 2022-: Chair Educational Track subcommittee on Pain Medicine
 - 2023-2024: Educational Track Subcommittee on Regional Anesthesia and Acute Pain.
2. American Society of Regional Anesthesia and Pain Medicine (ASRAPain)
 - 2016-: Newsletter committee (section editor)
 - 2017 Certification editorial board for Pain & MSK boards (question writer)
 - 2017-: Membership committee
 - 2017-: Founding member "Women in Regional and Pain Medicine Special Interest Group (WRAPM SIG)": newsletter liaison
 - 2017-: Founding member "Cancer Pain and Supportive Care Special Interest Group (Cancer SIG)": newsletter, social media, CME liaison
 - 2020-2021: Associate Editor for Chronic Pain ASRA Newsletter
 - 2020: Member-at-Large ASRA 2021 Pain Medicine Scientific Meeting Planning Committee
 - 2021-: Founding Member Wellness Special Interest Group (SIG)
 - 2021-2022: Vice Chair ASRA Newsletter Committee
 - 2021-: Editor ASRA Newsletter
 - 2022-: Chair ASRA Newsletter Committee
 - 2022-: Chair Women in Regional Anesthesia and Pain Medicine (WRAPM) Special Interest Group (SIG)
 - 2022-: Communication Committee
 - 2023: Abstract review committee for Pain Annual Meeting
3. North American Neuromodulation Society (NANS)
 - 2020-: Abstract Review Committee
 - 2020-: Women in Neuromodulation Committee Member
 - 2022-: Scientific Planning Committee 2023 Annual Meeting
 - 2022-: Women in Neuromodulation Board Member
 - 2023-: Scientific Planning Committee 2024 Annual Meeting
 - 2023-: Co-Chair Abstract Review Committee
 - 2023-: NANS newsletter committee

Regional Committees

1. Midwest Pain Society (MPS)
 - 2018-: Educational and Scientific planning committee
 - 2019-: Board Member
 - 2020: Chair 2020 MPS Annual Meeting
 - 2021: Chair 2021 MPS Annual Meeting
 - 2022-: President Elect MPS

Local Committees

1. Illinois Society of Anesthesiologists (ISA)
 - 2009-2019 House delegate district (HOD) 1
 - 2015-2016 Alternate district 1 director

Manuscript reviewer

1. Anesthesia & Analgesia
2. Current Medical Research & Opinion
3. Pain Management Future Medicine
4. F1000Research
5. ASRA website (asra.com)
6. ASRA newsletter
7. Pain Medicine
8. Neuromodulation
9. Current Pain and Headache Reports
10. Regional Anesthesia and Pain Management (RAPM)

PROFESSIONAL SOCIETIES

Elected or invited membership:

- 2004-: Member, American Society of Anesthesiologists (ASA)
2008-: Member, American Society of Regional Anesthesia and Pain Medicine (ASRA)
2009-: Member, Illinois Society of Anesthesiologists (ISA)
2018-: Member, Midwest Pain Society (MPS)
2019-: Member, Women in Anesthesiology (WIA)
2019-: Member, Women in Neuromodulation (WIN)
2020-: Member, North American Neuromodulation Society (NANS)
2020-: Member, Society of Academic Associations of Anesthesiology and Perioperative Pain Medicine (SAAAPM)
2020-: Member, American Academy of Pain Medicine (AAPM)

EDUCATION

Pritzker School of Medicine (M.D.):

(a) Didactic

- 2009-2019: Anesthesia and pain lectures: Medical students, third year (MS3) anesthesia clerkship rotation (2 wk/yr)
2010-: MS3 Pain Problem-based learning discussion (PBLD) (6-8/yr).
2012-2013 Med777 session: Medical Students, fourth year (MS4) Anesthesia/Analgesia annual case-based learning discussion on drug delivery systems (1/yr)

(b) Clinical

- 2009-2019: General Operating Room (CCD and DCAM), Off Site (GI, Radiology & EP), Obstetric Anesthesia:
Commitment: (6:30am-5pm) 2 wk/yr MS3 anesthesia clerkship
Educational Activity: MS3 are introduced to the field of anesthesia
2009-: Pain Clinic:
Commitment: (7am-4pm) 1 day/month MS3 anesthesia clerkship.
Educational activity: MS3 are exposed to a variety acute and chronic pain syndromes
2009-: Acute Pain Service:
Commitment: (6:15am to 5pm) 0.5 day/month MS3 anesthesia clerkship
Educational activity: MS3 are introduced to the art of perioperative pain management on the inpatient pain service
2016-: MS1 Longitudinal Program (LP) Preceptor: The LP is a patient-care experience for first year students in the Pritzker School of Medicine that provides pre-clinical experience in outpatient clinics. I am the preceptor for MS1 rotating through the pain clinic (6 visits/yr)

Graduate Medical Education Anesthesia Residents:

(a) Didactic

- 2009-: Pain clinic lectures (10/yr)
2009-: Acute pain service lectures (10-15/yr)
2009-: Ultrasound-guided procedures for chronic pain (5/yr)

- 2009-2019: Ultrasound-guided regional anesthesia: annual week-long didactic series followed by a hands-on ultrasound-guided regional workshop for residents, fellows, and faculty members.
- 2010-2019 Anesthesia subspecialty lectures (1-3/yr)
- 2010-2020 CA-1 introductory lecture (2/yr): Flipped classroom pedagogical model/self-directed professional development.
- 2014-: Epidural analgesia simulation training: task trainers for incoming CA-1 anesthesiology residents (4/yr)
- 2015-2019 Virtual reality simulation for spinal anesthesia/analgesia: 3D visually realistic environment, with haptic and kinetic feedback for incoming CA-1 anesthesiology residents (4/yr)

Graduate Medical Education Pain Fellows:

(a) Didactic (see above)

- 2009-2013 Multi-institutional Journal Club: 1day/ month. I developed a conjoint pain journal club with Rush University & Cook County pain fellowship programs. Pain fellows engaged in analytical and comprehensive review of the most recent evidenced-based medicine for chronic pain management. This was the first multi-institutional journal club among pain fellowship training programs in the US. During our ACGME review in 2010, the reviewer acknowledged it as an innovative educational approach that differentiated us from other programs.
- 2016-2019 Virtual reality simulation: Using the ImmersiveTouch® simulator, pain fellows are given the opportunity to orient the C-arm and use fluoroscopy to gauge the level and angle of needle penetration into the skin in a virtual environment.
- 2020-: Suture Skills Workshop
- 2021-: Lead Steering Simulation Pain Fellow
- 2021-: Fellow QI Projects Mentor
- Aras N: Cumulative Annual Steroid Administration and Awareness
- Orr: Optimization of scheduling pain management procedures in the operating room to reduce cancellations.
- Cassagnol: MSSA/MRSA Testing and Decolonization in Patients Undergoing Pain Medical Device Implantation
- Joseph: Streamlining the Check-in process to eliminate unnecessary use of clinical resources with Same-day Procedure Cancellations
- Mameghani Post-Procedure Patient Evaluations in the pain Clinic
- Pan Teaching Residents How to Manage Spinal Cord Stimulators in the Perioperative Setting
- Xiao: Automated, Electronic Sign-Out for Pain
- Reilly: Pain Clinic Procedure Scheduling and Pre-procedure Instructions

Continuing medical education:

Please see section "Invited Speaking".

Other

- 2011 Pain Awareness Campaign: I initiated the first campaign to promote pain awareness at the University of Chicago. The pain awareness campaign included a week of educational events ranging from jeopardy games (factual information on pain management in varying domains) to lectures for floor nurses and ancillary staff. We distributed "NO PAIN" buttons to various healthcare professionals who actively participated in an event. I conducted a nursing grand rounds "Fast facts on pain management" and grand rounds for physicians "A journal through the history of pain management".

Research trainees:

- (a) Undergraduate (B.A., B.S.) Pharmacy Residents Kathryn Dwyer and Suhl A Choi (IRB20-1032)
- (b) Medical (M.D.): Andrew Tucker, MD (IRB19-1172)

SERVICE

University of Chicago

Committee membership:

2009-:	Acute Pain Service Steering Committee
2010-2015	Anesthesia Resident Recruitment Committee
2010-2015	Chicago Electrical Trauma Research Institute (CETRI): multidisciplinary program for patients with electrocution injury
2010-:	Pain Fellowship Recruitment Committee
2011-:	Median arcuate ligament syndrome group: multidisciplinary program for patients undergoing median arcuate ligament release
2012	Uterine artery embolization group
2012-2014	Patient-controlled analgesia (PCA) Shortage Committee: A task force created to generate short- and long-term plans to address the shortage crisis within the medical center
2012-2014	EPIC Steering Committee: Pain subject matter expert for adult and pediatric patient-controlled analgesia (PCA) and patient-controlled epidural analgesia (PCEA). I made changes to improve safety and monitoring standards for patients with PCA and PCEA's (PC 99) and introduced additional assessment measures for patients with neuraxial analgesia to comply with society guidelines that were implemented into the EPIC order sets in May 2012.
2014-:	Pain Clinic Action Planning: (1/month to improve efficiency in the pain clinic, EPIC documentation champion)
2014-:	Pain and Palliative Committee: Collaborative effort with hem/onc, psychiatry, and palliative service to improve cancer pain management
2016-:	Chair of the Clinical Competency Committee for pain fellowship
2018-:	Multidisciplinary Pain Care Stewardship: an institutional committee whose mission is to optimize patient exposure to systematically delivered, efficacious,
2018-:	Nitrous Oxide for Procedural Analgesia Committee: representatives from quality improvement, pharmacy, L&D, burn service, supply chain, plant design, pharmacy informatics, and clinical engineering to implement the use of nitrous oxide to assist with pain management in attempt to utilize non-opioid pain management techniques and can serve as a means to better manage pain at UCMC particularly in L&D, burn service, and in scenarios for acute pain related to a short-term procedure
2019-:	Sickle Cell Workgroup
2019-:	Palliative Care & Pain Committee
2020-:	Clinical Competency Committee Anesthesia Residency Program
2020-:	Peer Support Group Department of Anesthesia
2020-:	Continuing quality improvement committee Department of Anesthesia
2020-:	Associate Program Director Pain Fellowship