

Tyler Michael Dunn, MD

Memorial Scholarship Recipient - Granite Mountain Hotshot, Christopher Mackenzie	09/2014
Summa Cum Laude - Arizona State University	05/2015
Top 10% Basic Exam - Anesthesiology Board Examination, American Board of Anesthesiology	06/2021

Previous Professional Positions and Major Appointments

Technician - Emergency Department, Phoenix Children's Hospital, Phoenix, Arizona	07/2011 - 06/2016
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Professional Memberships and Societies

American Society of Anesthesiologists, Member	2018 - Current
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Mayo Clinic Departmental Administrative Responsibilities

Residents and Fellows Association, Social Media Chair	07/2021 - 07/2022
Course Director, 60 th Annual Western Anesthesia Residents Conference	01/2024

Presentations

Oral

Real-time Virtual Interprofessional Simulation: Linking the Simulation Theater to Smart Devices All Together Better Health VIII Conference Oxford, United Kingdom	2016
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Poster

The Effect of Radiated Versus Non-irradiated Blood Transfusions on Extracellular Potassium Levels in Infants Undergoing Craniostomy Repair Annual Meeting of the American Society of Anesthesiologists San Francisco, California	2018
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Retrospective Analysis of the Effect of Blood Transfusion on Extracellular Potassium Levels in Infants Undergoing Craniostomy Repair 6th Annual Research Day Phoenix Children's Hospital Phoenix, Arizona	2018
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A Novel Drug Diversion and Controlled Substance Variance Program at Mayo Clinic – Phoenix, Arizona American Society of Anesthesiologists: Practice Management Conference Las Vegas, Nevada	2020
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A Novel Drug Diversion and Controlled Substance Variance Program at Mayo Clinic – Phoenix, Arizona Mayo Clinic Arizona 21st Academic Excellence Day Phoenix, Arizona	2020
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Perioperative Myoclonus in Heart Transplant Patients on Calcineurin Inhibitors International Anesthesia Research Society 2021 Annual Meeting	2021
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A Novel Drug Diversion and Controlled Substance Variance Program at Mayo Clinic – Phoenix, Arizona 2021 Western Anesthesia Residents Conference	2021
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Effect of Radiated vs Non-Irradiated Blood Transfusions on Extracellular Potassium Levels Mayo Clinic Arizona 22nd Academic Excellence Day Phoenix, Arizona	2021
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Intraoperative Capnothorax American Society of Anesthesiology Annual Meeting	2021
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The Impact of Social Media on Applicant Perceptions of Anesthesiology Residency Programs during the COVID-19 Pandemic	2022
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Mayo Clinic Arizona 23rd Academic Excellence Day
Phoenix, Arizona

Airway Management of Local Anesthetic Induced Angioedema 2022
American Society of Anesthesiology Annual Meeting
New Orleans, Louisiana

45 Years of Ultrasound for Regional Anesthesia 2023
48th Annual Regional Anesthesiology and Acute Pain Medicine Meeting
Hollywood, Florida

Ramsay Hunt Syndrome Treated with Peripheral Nerve Stimulation 2023
6th World Congress on regional Anesthesia and Pain Medicine
Paris, France

Perioperative Management of Spinal Cord Stimulators and Intrathecal Drug Pumps 2024
North American Neuromodulation Society (NANS)
Las Vegas, NV

Publications

Peer-reviewed Articles

1. **Dunn T**, Misra L. Intraoperative Capnothorax during Robotic Diaphragmatic Endometriosis Excision. Case Rep Anesthesiol. 2022; 2022:5935312. Epub 2022 Apr 26. PMID: 35520147 PMCID: PMC9064528 DOI: 10.1155/2022/5935312
2. **Dunn T#**, Patel S#, Milam AJ#, Brinkman J#, Gorlin A#, Harbell MW#. Influence of Social Media on Applicant Perceptions of Anesthesiology Residency Programs During the COVID-19 Pandemic: Quantitative Survey. JMIR Med Educ. 2023 Jun 29; 9:e39831 Epub 2023 June 29 PMID: 37205642 PMCID: PMC10337370 DOI: 10.2196/39831
3. Abd-Elsayed A, Attanti S, Anderson M, **Dunn T**, Maloney J, Strand N. Mechanism of Action of Temporary Peripheral Nerve Stimulation. Curr Pain Headache Rep. 2023 Oct 27 [Epub ahead of print] PMID: 37889467 DOI: 10.1007/s11916-023-01184-5
4. Sayed D, Deer TR, Hagedorn JM, Sayed A, D'Souza RS, Lam CM, Khatri N, Hussaini Z, Pritzlaff SG, Abdullah NM, Tieppo Francio V, Falowski SM, Ibrahim YM, Malinowski MN, Budwany RR, Strand NH, Sochacki KM, Shah A, **Dunn TM**, Nasser M, Lee DW, Kapural L, Bedder MD, Petersen EA, Amirdelfan K, Schatman ME, Grider JS. A Systematic Guideline by the ASPN Workgroup on the Evidence, Education, and Treatment Algorithm for Painful Diabetic Neuropathy: SWEET. J Pain Res. 2024; 17:1461-1501 Epub 2024 Apr 13 PMID: 38633823 PMCID: PMC11022879 DOI: 10.2147/JPR.S451006
5. Strand NH, Hagedorn JM, **Dunn T**, Johnson B, Abd-Elsayed A, Covington S, Freeman J, Dawodu A, Maloney J. Advances in radiofrequency ablation: mechanism of action and technology. Ann Palliat Med. 2024 Jul; 13(4):1028-1034. Epub 2024 Jul 18. PMID: 39043563 DOI: 10.21037/apm-23-457
6. Covington S, Strand N, Pew S, Dawodu A, **Dunn T**, Johnson B, Hand B, Abd-Elsayed A. Cervical Spinal Cord Stimulation for Failed Neck Surgery Syndrome. Curr Pain Headache Rep. 2024 Jul; 28 (7):607-612 Epub 2024 Feb 03 PMID: 38308745 PMCID: PMC6300 DOI: 10.1007/s11916-024-01214-w
7. Maloney J, Strand N, Wie C, Pew S, Dawodu A, **Dunn T**, Johnson B, Eells A, Viswanath O, Freeman J, Covington S. Current Review of Regenerative Medicine Therapies for Spine-Related Pain. Curr Pain Headache Rep. 2024 Sep; 28 (9):949-955 Epub 2023 Dec 19 PMID: 38112985 PMCID: PMC6612 DOI: 10.1007/s11916-023-01194-3

Book Chapters

1. **Dunn TM**. Minimum Alveolar Concentration. In: Faust's Anesthesiology Review. 6th ed. Chapter 40. 2022.