

Mark Bicket, M.D., Ph.D., FASA
Assistant Professor
University of Michigan
1500 E Medical Center Drive
Phone: 734-936-4280

Education and Training

Education

08/2002-05/2006	BA, Mathematics, summa cum laude, University of Oklahoma, Norman, Oklahoma
08/2002-05/2006	BA, Economics, summa cum laude, University of Oklahoma, Norman, Oklahoma
08/2006-06/2010	MD, Johns Hopkins University School of Medicine, Baltimore, Maryland
08/2015-05/2019	PhD, Johns Hopkins University School of Public Health, Baltimore, Maryland

PostDoctoral Training

06/2010-06/2011	Internship, Internal Medicine, University of Maryland Medical System, Baltimore, Maryland
07/2011-06/2014	Residency, Anesthesiology, Johns Hopkins University School of Medicine, Baltimore, Maryland
07/2013-06/2014	Chief Resident, Anesthesiology, Johns Hopkins University School of Medicine, Baltimore, Maryland
07/2014-07/2015	Fellowship, Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts
08/2015-08/2017	Postdoctoral Research Fellow, T32 Research Fellow in Anesthesiology and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland

Certification And Licensure

Certification

2015-2025	American Board of Anesthesiology - Anesthesiology
2015-2025	American Board of Anesthesiology - Pain Medicine

Licensure

2014-2023	United States, DEA Registration
2020-2023	State of Michigan, Controlled Substance
2020-2023	State of Michigan, Medical License

Academic, Administrative, Clinical, Research and Military Appointments

Academic Appointments

08/2015-08/2019	Assistant Professor in Anesthesiology and Pain Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland
09/2020-present	Assistant Professor in Anesthesiology, University of Michigan School of Medicine, Ann Arbor, Michigan
05/2021-present	Assistant Professor in Health Policy and Management, University of Michigan School of Public Health, Ann Arbor, Michigan

Administrative Appointments

08/2015-07/2016	Assistant Fellowship Program Director, Johns Hopkins University School of Medicine, Baltimore, Maryland
07/2016-08/2019	Fellowship Program Director, Pain Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland
01/2017-08/2019	Quality Assurance Director, Pain Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland
09/2020-present	Co-Director, Opioid Prescribing Education Network (OPEN), University of Michigan, Ann Arbor, Michigan

03/2022-present Director, Pain and Opioid Research, University of Michigan, Ann Arbor, Michigan

Clinical Appointments

08/2015-08/2019 Attending Physician, Johns Hopkins Hospital, Baltimore, Maryland

07/2016-08/2019 Attending Physician, Johns Hopkins Bayview Medical Center, Baltimore, Maryland

09/2020-present Attending Physician, University of Michigan Main Hospital, Ann Arbor, Michigan

Research Positions

01/2017-08/2019 Core Faculty, Center for Drug Safety and Effectiveness, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland

Clinical Interests

- Acute and Chronic Pain Medicine: quality and safety of pain medicine as practiced in multiple clinical settings, including (1) outpatient clinic, inpatient acute and chronic pain management, and cancer pain care settings; (2) regional anesthesia (single shot and catheter approaches; brachial plexus blockade, sciatic, femoral, and other peripheral nerve blocks; thoracic and lumbar epidurals; truncal blocks) and acute peri-operative pain management services involving opioid and non-opioid medications and infusions; and (3) anesthesia in the operating room, non-operating room, and procedural areas of the hospital and ambulatory surgical center.

Research Interests

- Optimizing pain management for acute and chronic pain conditions: these investigations on pain treatments employ methods including clinical trials, health services, policy analysis, pharmacoepidemiology, and systematic review/meta-analysis.
- The role of opioid prescribing in the opioid crisis: using similar methods, these studies examine the quality and safety of prescription opioids used on an outpatient basis by patients after surgery or hospital discharge.
- Opioid use, misuse, and use disorder in acute and primary care settings: these investigations examine immediate and downstream safety consequences related to prescription opioids.

Grants

Current Grants

Michigan Opioid Prescribing Engagement Network (M-OPEN). I lead projects on measuring prescribing practices, utilization, and collaboration with community partners. SubK-CMMS-DHHS-US through a consortium with MDHHS- 21-PAF05041 Englesbe, Michael J; Brummett, Chad M; Waljee, Jennifer F; Bicket, Mark C, Co-PI 10/2021-09/2022.

Michigan Opioid IV. I lead projects on transitions of care and screening for high risk patients. Michigan Department of Health and Human Services Brummet, Chad M; Waljee, Jennifer F; Englesbe, Mike; Bicket, Mark C, Co-PI 10/2021-09/2022.

Michigan Opioid IV SubK-SAMHSA-DHHS-US through a consortium with MDHHS- 21-PAF05474 Co-I with Effort (Principal Investigator: Brummett, Chad M; Englesbe, Michael J; Kocher, Keith E; Waljee, Jennifer F) 10/2021-09/2022.

R01DA042859: oPIOIDS: Prevention of Iatrogenic Opioid Dependence after Surgery National Institutes of Health, National Institute on Drug Abuse Co-I with Effort (Principal Investigator: Waljee, Jennifer F; Brummet, Chad M) 09/2021-04/2022.

R01DA049789: State Medical Cannabis Laws, Chronic Pain, and Opioids: A Mixed-Methods Approach National Institutes of Health, National Institute on Drug Abuse Co-I with Effort (Principal Investigator: Beth McGinty) 07/2020-04/2024.

The CARES Trial: Comparing Analgesic Regimen Effectiveness and Safety after Surgery Patient-Centered Outcomes Research Institute- 21-PAF07073 Bicket, Mark, PI 03/2022-08/2025.

Past Grants

Michigan Opioid IV SAMHSA-DHHS-US through a consortium with MDHHS- 21-PAF01318
Co-I with Effort (Principal Investigator: Brummett, Chad Michael;Englesbe, Michael J;Waljee, Jennifer Filip) 10/2020-09/2021.

E20213601-001: Michigan Opioid IV SAMHSA-DHHS-US through a consortium with MDHHS- 21-PAF02201 Co-I with Effort
(Principal Investigator: Chad Michael Brummett)
10/2020-09/2021

E20213445- 001: Michigan Opioid Prescribing Engagement Network III SAMHSA-DHHS-US through a consortium with
MDHHS- 21-PAF02193
Co-I with Effort (Principal Investigator: Brummett, Chad M)
10/2020-09/2021.

Michigan Opioid Prescribing Engagement Network III SAMHSA-DHHS-US through a consortium with MDHHS- 21- PAF01319
Co-I with Effort (Principal Investigator: Brummett, Chad Michael;Englesbe, Michael J;Waljee, Jennifer Filip) 10/2020-09/2021.

State Medical Cannabis Laws, Chronic Pain, and Opioids: A Mixed-Methods Approach SubK-NIH-DHHS-US through a
consortium with Johns Hopkins University- 21-PAF02840
Mark Bicket, PI
07/2020-04/2021.

Evaluating the Intended and Unintended Effects of Opioid Prescribing Cap Policies Arnold Ventures Co-I with Effort (Principal
Investigator: Beth McGinty)
07/2019-07/2021.

Johns Hopkins Multidisciplinary Pain Fellowship Program Medtronic Unrestricted Educational Grant Bicket, PI
07/2019-08/2019.

Johns Hopkins Multidisciplinary Pain Fellowship Program Boston Scientific Unrestricted Educational Grant Bicket, PI
07/2019-08/2019.

BHA19-013G: Substance Abuse Consultation/BHIPP-Maryland Addiction Consultation Service Maryland Department of
Mental Health and Mental Hygiene
Other (Principal Investigator: Pruitt)
09/2018-06/2019.

Johns Hopkins Multidisciplinary Pain Fellowship Program Medtronic Unrestricted Educational Grant Bicket, PI
07/2018-06/2019.

Consequences of non-optimal opioid prescribing after surgery Foundation for Anesthesia Education and Research Bicket, PI
01/2018-08/2019.

R01DA044987: An Evaluation of State Laws Intended to Curb High-Risk Opioid Prescribing National Institutes of Health,
National Institute on Drug Abuse
Co-I with Effort (Principal Investigator: Beth McGinty)
09/2017-07/2021.

Johns Hopkins Multidisciplinary Pain Fellowship Program Medtronic Unrestricted Educational Grant Bicket, PI
07/2017-08/2018.

Opioid use after surgery: uncovering utilization patterns and stakeholder roles Johns Hopkins Stimulating and Advancing
Anesthesia Research Mentored Training Award
Bicket, PI
08/2016-06/2017.

How are prescription opioids used by adult patients following discharge from the hospital? Blaustein Pain Research Fund
Bicket, PI
07/2016-06/2017.

Honors and Awards

National

- | | |
|------|---|
| 2014 | American Society of Regional Anesthesiology and Pain Medicine (ASRA) Resident/Fellow of the Year Award |
| 2017 | First Place Clinical Abstract Winner, American Pain Society (APS) 36th American Pain Society Annual Scientific Meeting |
| 2017 | North American Pain School (NAPS) Class of 2017, International Association for the Study of Pain (IAPS) and the Analgesic, Anesthetic, and Addiction Clinical Trial Translations, Innovations, Opportunities, and Networks (ACTTION). |

2017	Young Investigator Award, American Pain Society (APS) 36th American Pain Society Annual Scientific Meeting
2018	Pain Medicine Fellowship Excellence Award, American Academy of Pain Management (AAPM)
2019	Delta Omega National Public Health Honor Society, John Hopkins Bloomberg School of Public Health
2019	Initiative for Multicenter Pragmatic Anesthesiology Clinical Trials (IMPACT) Award, Association of University Anesthesiologists (AUA), International Anesthesia Research Society (IARS), and leaders of five other academic anesthesiology organizations.
2019	White House Fellow, President's Commission on White House Fellowships
2020	Fellow of the American Society of Anesthesiologists (FASA), American Society of Anesthesiologists (ASA)

Institutional

2014	Resident of the Year Award, Clinical Anesthesia Year 3 (CA-3), Johns Hopkins Hospital Department of Anesthesiology and Critical Care Medicine
------	---

Memberships in Professional Societies

2011-2020	Member, Maryland Society of Anesthesiologists (MSA)
2011-present	Member, American Society of Anesthesiologists (ASA)
2012-present	Member, American Society of Regional Anesthesia and Pain Medicine (ASRA)
2013-present	Member, Health Volunteers Overseas (HVO)
2014-2019	Member, American Pain Society (APS)
2016-present	Member, International Association for the Study of Pain (IASP)
2017-2019	Member, Association of Pain Program Directors (APPD)
2018-present	Member, American Academy of Pain Medicine (AAPM)
2020-present	Member, Michigan Society of Anesthesiologists
2020-present	Member, US Association for the Study of Pain
2021-present	Member, American Association for the Advancement of Science (AAAS)

Editorial Positions, Boards, and Peer-Review Service

Study Sections

National

2018	Centers for Medicare and Medicaid Services (CMS) Quality Innovation Network (QIN) Quality Improvement Organization (QIO) Special Innovation Projects on Opioid Prescriptions (Ad Hoc)
------	---

Editorial Boards

2020-present	Associate Editor, Pain Medicine Journal
2021-present	Associate Editor, Regional Anesthesia & Pain Medicine

Journal Reviewer

2010-2016	Journal of the American Geriatrics Society (Ad Hoc)
2014	BMC Geriatrics (Ad Hoc)
2015-present	Pain Medicine (Ad Hoc)
2015-present	Regional Anesthesia and Pain Medicine (Ad Hoc)
2016-2018	Stimulating and Advancing Anesthesiology and Critical Care Medicine Research Grants (Ad Hoc)
2016	Trials (Ad Hoc)
2017-2019	Reviewer, American Pain Society Data Blitz Abstracts (Ad Hoc)
2017-present	Anesthesiology (Ad Hoc)

2017-present	Annals of Internal Medicine (Ad Hoc)
2017-present	PLOS One (Ad Hoc)
2018-2019	The Spine Journal (Ad Hoc)
2018-present	Annals of Surgery (Ad Hoc)
2018-present	Journal of Pain (Ad Hoc)
2018-present	Journal of the American College of Surgeons (Ad Hoc)
2018-present	Journal of the American Medical Association (JAMA) (Ad Hoc)
2019-2020	American Journal for Health-Systems Pharmacy (Ad Hoc)
2019-2020	JAMA Pediatrics (Ad Hoc)
2020	Medical Care (Ad Hoc)
2020	NEJM Catalyst (Ad Hoc)
2021-present	JAMA Open (Ad Hoc)
2021-present	Pain (Ad Hoc)
2021	Pain Reports (Ad Hoc)

Teaching Activity

Institutional

2015-2019	Regional Anesthesiology Team Lecture: Johns Hopkins University School of Medicine, Baltimore MD
2015-2019	Pain Fellow and Resident Lecture: Outpatient Blaustein Pain Treatment Center, Johns Hopkins University School of Medicine, Baltimore MD
2015	Johns Hopkins University Blaustein Pain Grand Rounds: Epidural Steroid Injections: A Potent Placebo or Procedure to Prevent Surgery?, Baltimore, MD
2016	Pain Fellow and Resident Lecture: Pre-Emptive Analgesia, Statistics in Pain Medicine, Sex & Gender Differences in Pain, and Communication in Pain Medicine, Johns Hopkins Hospital, Baltimore MD
2016	First Year Medical Student Lecture: Central Sensitization: Patient Interview, Central Sensitization: Didactic Sessions, Johns Hopkins University School of Medicine, Baltimore MD
2017	Resident Lecture: Pain and Opioid Pathways, Johns Hopkins University School of Medicine, Baltimore MD
2017	Resident Lecture: Opioid Use, Complex Regional Pain Syndrome, and Spinal Cord Stimulation, Johns Hopkins University School of Medicine, Baltimore MD
2017	Acute Pain Clinical Fellow Lecture: Phantom Limb Pain, Johns Hopkins University School of Medicine, Baltimore MD
2017	First Year Medical Student Lecture: Central Sensitization: Patient Interview, and Central Sensitization: Didactic Session, Johns Hopkins University School of Medicine, Baltimore MD
2017	Johns Hopkins University Blaustein Pain Grand Rounds: Optimizing Pain and Pain Prescriptions After Surgery, Baltimore, MD
2017	Johns Hopkins University Pain Symposium: Tailor-made Treatments: Precision Medicine for Pain, Baltimore, MD
2017	Resident Lecture: The MINT Trial Journal Club, Johns Hopkins University School of Medicine, Baltimore MD
2017	Johns Hopkins University Department of Anesthesiology and Critical Care Medicine Research Committee: Opioid Pain Management After Surgery: Current Practice, Outcomes, and Preferences, Baltimore, MD
2018	Johns Hopkins University Blaustein Pain Grand Rounds: Healthcare Provider's Perspective on the Opioid Crisis, Baltimore, MD
2018	Pain Fellows and Resident Lecture: Pain Board Review, Johns Hopkins Hospital, Baltimore MD

2018	Johns Hopkins University Grand Rounds: The Opioid Epidemic and Acute Prescribing After Surgery, Baltimore, MD
2018	Resident Lecture: Pain and Opioid Pathways, Johns Hopkins University School of Medicine, Baltimore MD
2018	Johns Hopkins University Advanced Practitioner Grand Rounds: Best Practices – Opiate Management Across the Healthcare Continuum, Baltimore, MD
2018	Resident Lecture: Opioid Dependency Before, During, and After Surgery, Johns Hopkins University School of Medicine, Baltimore MD
2018	Resident Lecture: Opioids & Benzodiazepines, Johns Hopkins University School of Medicine, Baltimore MD
2018	Johns Hopkins School of Medicine Medical Student Lecture: Central Sensitization: Patient Interview, and Central Sensitization: Didactic Session, Johns Hopkins University School of Medicine, Baltimore MD
2018	Johns Hopkins University Anesthesiology Discovery Rounds: How Many are Too Many? Optimizing Prescription Opioids and Pain Management After Discharge from Surgery, Baltimore, MD
2018	Resident Lecture: Pain and Opioid Pathways, Johns Hopkins University School of Medicine, Baltimore MD
2018	Resident Lecture: Complex Regional Pain Syndrome, Johns Hopkins University School of Medicine, Baltimore MD
2019	Pain Fellow and Resident Lecture: Pain Board Review, Johns Hopkins Hospital, Baltimore MD
2019	Resident Lecture: Pain and Opioid Pathways, Johns Hopkins University School of Medicine, Baltimore MD
2020-present	Clinical Pain Medicine Fellows Lecture: Pain and Opioid Pathways, University of Michigan School of Medicine, Ann Arbor, MI
2020-present	Clinical Anesthesia Resident Lecture: Mock Oral Board, University of Michigan School of Medicine, Ann Arbor, MI
2022	Vascular Surgery Monthly Coordinator Meeting: Opioid Prescribing and Pain Management After EVAR or CEA, University of Michigan, Ann Arbor, MI

Committee and Administrative Services

Committee Services

National

2012-2013	American Society of Anesthesiologists (ASA) - Committee on Residents and Medical Students, Member
2012-2013	American Society of Anesthesiologists (ASA) - Resident Component, President-Elect
2013-2014	American Society of Anesthesiologists (ASA) - Board of Directors, Member
2013-2014	American Society of Anesthesiologists (ASA) - Resident Component, President
2013-2016	American Society of Anesthesiologists (ASA) - Committee on Government Affairs, Member
2013-2019	American Society of Anesthesiologists (ASA) - Committee on Communications, Member
2013-2022	American Society of Anesthesiologists (ASA) - Committee on Membership, Member
2014-2015	American Society of Regional Anesthesia and Pain Medicine (ASRA) - Resident Section Committee, Member
2014-2022	American Society of Anesthesiologists (ASA) - Committee on Young Physicians, Member
2015-2017	American Pain Society (APS) - Clinical Resources and Guidelines Committee, Member
2015-2019	American Pain Society (APS) - Early Career Advisory Group, Member
2015	American Society of Anesthesiologists (ASA) - Ad Hoc Workgroup on Rebranding, Member
2015	Foundation for Anesthesiology Education and Research (FAER) - Anesthesiology Innovation & Entrepreneurship Program (AIEP) on Patents & Commercial Assessment Workshop Planning Committee, Member

2016-2017 American Pain Society (APS) - Early Career Advisory Group, Co-Chair

2016 American Pain Society (APS) - Early Career Forum Planning Committee, Member

2017-2018 American Pain Society (APS) - Board of Directors, Early Career Liaison

2017-2018 American Pain Society (APS) - Early Career Advisory Group, Chair

2017-2018 American Society of Regional Anesthesia and Pain Medicine (ASRA) - Committee on Membership, Member

2017-2019 Association of Pain Program Directors (APPD) - Board of Directors, Member

2017 American Pain Society (APS) - Bylaws Committee, Member

2017 American Society of Anesthesiologists (ASA) - Ad Hoc Workgroup on Website, Member

2018-2019 American Academy of Pain Medicine (AAPM) - Resident Fellow Education Special Interest Group, Co-Chair

2018-2019 Delaware Division of Public Health - Committee on Non-opioid Pain Management, Member

2018-2019 National Academy of Medicine - Committee on Evidence-based Clinical Practice Guidelines for Prescribing Opioids for Acute Pain, Member

2018-2021 American Academy of Pain Medicine (AAPM) - Annual Meeting Steering Committee, Member

2018 American Society of Anesthesiologists (ASA) - Ad Hoc Workgroup on Web Oversight, Member

2019 American Pain Society (APS) - 2019 Scientific Meeting Early Career Forum, Co-chair

2019 National Science and Technology Council (NSTC) Committee on Science - Fast Tract Action Committee on Health Science and Technology Response to the Opioid Crisis, Member

2020-2022 American Society of Anesthesiologists (ASA) - Workgroup on Early Career Member Recruitment and Retention Strategies, Member

2020-2022 American Society of Anesthesiologists (ASA) - Workgroup on Early Career Members, Member

2021-present US Association for the Study of Pain (USASP) - Acute to Chronic Pain Special Interest Group, Chair

2022-2023 American Society of Anesthesiologists (ASA) - Ad Hoc Workgroup on Mentorship, Member

2022-2023 American Society of Regional Anesthesiology and Pain Medicine (ASRA) – Committee on Research, Adjunct Member

2022-2026 Food and Drug Administration (FDA) - Anesthetic and Analgesic Drug Product Advisory Committee (AADPAC), Member

Regional

2014 Mid-Atlantic Anesthesia Research Conference (MAARC), Conference Founder, Co-Chair

2018 Maryland Society of Anesthesiologists (MSA), Delegate to ASA meeting

Institutional

2015-2019 Johns Hopkins Hospital - Committee on Pain Management, Member

2015-2019 Johns Hopkins University School of Medicine - Pain Medicine Fellowship Clinical Competency Committee, Member

2016-2017 Johns Hopkins Pain Medicine Division - EPIC Clinical Integration, Physician lead

2016-2017 Johns Hopkins Pain Medicine Division - EPIC SmartSet, Physician Lead

2016-2019 Johns Hopkins Department of Anesthesiology and Critical Care Medicine - Perioperative Ultrasound Committee, Member

2016-2019 Johns Hopkins Pain Medicine Division - Faculty Candidate Committee, Interviewer

2017-2018 Johns Hopkins Pain Medicine Division - Safety Timeout for Pain Procedures (STOPP), Project lead

2017-2019 Johns Hopkins Health System - Opioid Stewardship Clinical Community Education Committee, Member

2017-2019 Johns Hopkins Health System - Opioid Stewardship Clinical Community Implementation and Education Committee, Co-Chair

2017-2019	Johns Hopkins Health System - Opioid Stewardship Clinical Community Metrics Committee, Member
2017-2019	Johns Hopkins Health System - Opioid Stewardship Clinical Community Policy Committee, Co-Chair
2017-2019	Johns Hopkins Hospital - Committee on Pain Management, Co-Chair
2017	Johns Hopkins Medicine - Pain Symposium Planning Committee, Member
2018-2019	Johns Hopkins Health System - Opioid Stewardship Clinical Community Advocacy & Regulation Committee, Member
2019	Johns Hopkins Hospital - Clinical Quality Improvement Committee, Member

Visiting Professorships and Extramural Invited Presentations

Visiting Professorships

06/2017	Optimizing Pain and Opioid Prescriptions After Surgery, Northwestern University Feinberg School of Medicine Department of Anesthesiology Grand Rounds, June 2017, Chicago, IL
07/2018	Opioid Prescribing After Surgery: How Low Can We Go?, Department of Anesthesiology, University of Michigan (Not a University of Michigan faculty member at this time), July 2018, Ann Arbor, MI

Extramural Invited Presentations

1. Chronic Pain Management for Sickle Cell Disease, NIH Sickle Cell Adult Provider Network Pain Symposium, August 2015, Bethesda, MD
2. Maintaining Balance in Your Career, American Pain Society Early Career Forum, May 2016, Austin, TX
3. Preparing a Research Protocol, Spine Injections Society (SIS) - Back to Basics: Conducting Your Own Clinical Research, July 2016, New Orleans, LA
4. Neurostimulation Technology Update, Spine Intervention Society 24th Annual Scientific Meeting, July 2016, New Orleans, LA
5. Epidural Steroids and Nerve Ablation for the Internist, MedStar Union Memorial Hospital Medicine Grand Rounds, April 2017, Baltimore, MD
6. Can We Predict Opioid Use and Supply After Joint Surgery?, University of Maryland-Johns Hopkins University Pain Meeting, April 2017, Baltimore, MD
7. Helping People to Suffer Less: An Overview of Palliative Care, American Pain Society Fundamentals of Translational Pain Medicine, May 2017, Pittsburg, PA
8. Prescription Opioid Oversupply Following Orthopedic Surgery: A Prospective Cohort Study, American Pain Society 36th Annual Scientific Meeting, May 2017, Pittsburg, PA
9. Lost In Translation: The Barriers Between Basic and Clinical Research, American Pain Society Fundamentals of Translational Pain Medicine, May 2017, Pittsburg, PA
10. Spinal Cord Stimulation: Update on Clinical Efficacy, Spine Intervention Society 25th Annual Scientific Meeting, July 2017, San Francisco, CA
11. Best of Clinical Abstracts, Spine Intervention Society 25th Annual Scientific Meeting, July 2017, San Francisco, CA
12. What I wish I Knew Then, American Society of Regional Anesthesiology and Pain Medicine 16th Annual Pain Medicine Meeting, November 2017, Orland, FL
13. Prescription Opioids to Treat Painful Conditions, Michael Bloomberg Foundation, January 2018, New York, NY
14. Pain Management – Using Opioids Wisely, MedStar St. Mary's Hospital Pain Lecture Series, June 2018, Leonardtown, MD
15. Battling the Opioid Epidemic with Clinical Communities: A Health System's Approach to Opioid Stewardship, Executive Business Intelligence Forum, July 2018, Washington, DC
16. Monitor Patient Risk Factors, Use, and Provider Prescribing Patterns to Positively Affect Clinical Decision Making, World Congress Opioid Management Congress, August 2018, Nashville, TN
17. Applying for Pain Medicine Fellowship, American Academy of Pain Medicine (AAPM), November 2018, Vancouver, BC, Canada
18. Advanced Procedures for Pain Practice, Patient Selection, Performance, Documentation, and Billing, American Academy of Pain Medicine Annual Meeting, March 2019, Denver, CO
19. Case Studies From Opioid Stewardship Programs: Create System-Wide Policies, Benchmarks, Evidence- Based Standards, and Quality Metrics, World Congress Opioid Management Summit, March 2019, Washington, DC
20. Dissecting An Epidemic: Lessons From the Opioid Crisis, American Chemical Society Middle Atlantic Regional Meeting, May 2019, Baltimore, MD
21. Alternatives for Pain Management, St. Mary's County Health Department, May 2019, California, MD
22. Is the Crisis Over? A Look at Trends in Opioid Prescribing in the U.S., IQVIA (formerly Quintiles and IMS Health, Inc), March 2021, Virtual Presentation
23. AAAPT Acute Abdominal and Peritoneal Pain After Surgery, The International Association for the Study of Pain Neuropathic Pain Special Interest Group (NeuPSIG), April 2021, Pain Research Forum (Virtual Presentation)

24. COVID Guidelines and Treating the Recovered Patient, American Academy of Pain Medicine, April 2021, Virtual
25. Michigan Opioid Prescribing Engagement Network, Collaborative Quality Improvement Program Directors Forum, July 2021, MI
26. Perioperative Opioid Use and Patient Risks, The Anesthesiology Annual Meeting 2021, October 2021, San Diego, CA
27. The PROTECT Trial: Prescribing vs. Over-the-Counter Non-Opioids for Post-Discharge Pain, University of Michigan, East Ann Arbor Nursing Staff, December 2021, Virtual
28. Optimizing Perioperative Pain: Opioids, Adjuvants, and Outcomes, Spectrum Health West Michigan Department of Anesthesiology, February 2022, Virtual
29. Perioperative Pain Care Management and Coordination, 2022 Rx Drug and Abuse Summit, April 2022, Atlanta, GA
30. Academic Detailing, BMC2 Vascular Surgery Physician Meeting, May 2022, Traverse City, MI

Other

1. Opioid Crisis, POLITICO Working Group, October 2017, Washington, D.C.
2. Opioid Crisis: Crucial Next Steps, POLITICO Pro, November 2017, Washington, D.C.
3. Moderator: Identifying Research Gaps in Opioids Prescribing Guidelines for Acute Pain Management in Medical Indications, The National Academies of Medicine, July 2019, Washington, DC
4. Moderator: Medically Challenging Cases, Anesthesiology Annual Meeting, American Society of Anesthesiologists (ASA), October 2021, San Diego, CA

Seminars

1. Selective Nerve Root Blocks and Epidural Steroid Injections: Best Practices and Resident Fluoroscopy Cadaver Workshop, American Society of Regional Anesthesia and Pain Medicine (ASRA) 16th Annual Meeting Fluoroscopy Cadaver Workshop, November 2017, Lake Buena Vista, FL

Bibliography

Peer-Reviewed Journals and Publications

1. **Bicket MC**, Mitra A: Demographics and living arrangements of minority elders in the United States *J Applied Econ Letters* 16(10): 1053-1057, 2009. No PMID
2. **Bicket MC**, Samus QM, McNabney M, Onyike CU, Mayer LS, Brandt J, Rabins P, Lyketsos C, Rosenblatt A: The physical environment influences neuropsychiatric symptoms and other outcomes in assisted living residents. *Int J Geriatr Psychiatry* 25(10): 1044-54, 2010. PMID20077498/PMC3143504
3. **Bicket MC**, Misra S, Wright SM, Shochet R: Medical student engagement and leadership within a new learning community. *BMC Med Educ* 10: 20, 2010. PMID20187953/PMC2837871
4. Murphy JD, Gelfand HJ, **Bicket MC**, Ouanes JP, Kumar KK, Isaac GR, Wu CL: Analgesic efficacy of intravenous naloxone for the treatment of postoperative pruritus: a meta-analysis. *J Opioid Manag* 7(4): 321-7, 2011. PMID21957831
5. **Bicket MC**, Gupta A, Brown CH 4th, Cohen SP: Epidural injections for spinal pain: a systematic review and meta-analysis evaluating the "control" injections in randomized controlled trials. *Anesthesiology* 119(4): 907-31, 2013. PMID24195874
6. Cohen SP, **Bicket MC**, Jamison D, Wilkinson I, Rathmell JP: Epidural steroids: a comprehensive, evidence-based review. *Reg Anesth Pain Med* 38(3): 175-200, 2013. PMID23598728
7. **Bicket MC**, Ritzl EK, Tamargo RJ, Mintz CD: Conversion of hemiblock to complete heart block by intraoperative motor-evoked potential monitoring. *A A Case Rep* 3(10): 137-9, 2014. PMID25611986
8. **Bicket MC**, Mao J: Chronic pain in older adults. *Anesthesiol Clin* 33(3): 577-90, 2015. PMID26315639
9. **Bicket MC**, Horowitz JM, Benzon HT, Cohen SP: Epidural injections in prevention of surgery for spinal pain: systematic review and meta-analysis of randomized controlled trials. *Spine J* 15(2): 348-62, 2015. PMID25463400
10. **Bicket MC**, Chakravarthy K, Chang D, Cohen SP: Epidural steroid injections: an updated review on recent trends in safety and complications. *Pain Manag* 5(2): 129-46, 2015. PMID25806907
11. Ouanes JP*, **Bicket MC***, Togioka B, Tomas VG, Wu CL, Murphy JD (* co-first authors): The role of perioperative chewing gum on gastric fluid volume and gastric pH: a meta-analysis. *J Clin Anesth* 27(2): 146-52, 2015. PMID25442242
12. Cohen SP, Hanling S, **Bicket MC**, White RL, Veizi E, Kurihara C, Zhao Z, Hayek S, Guthmiller KB, Griffith SR, Gordin V, White MA, Vorobeychik Y, Pasquina PF: Epidural steroid injections compared with gabapentin for lumbosacral radicular pain: multicenter randomized double blind comparative efficacy study. *BMJ* 350: h1748, 2015. PMID25883095/PMC4410617
13. **Bicket MC**, Dunn RY, Ahmed SU: High-frequency spinal cord stimulation for chronic pain: pre-clinical overview and systematic review of controlled trials. *Pain Med* 17(12): 2326-2336, 2016. PMID28025366
14. **Bicket MC**, Lester LC, Kroll CE, Brookman JC: Inadvertent administration of hypertonic saline during postoperative thoracic epidural patient-controlled epidural analgesia: a case report. *Eur J Anaesthesiol* 33 (8): 601-2, 2016. PMID26909528

15. **Bicket MC**, Hanna GM: Intrathecal pump exposure to electromagnetic interference: a report of device interrogation following multiple ECT sessions. *Pain Physician* 19(2): E343-6, 2016. PM26815262
16. **Bicket MC**, Simmons C, Zheng Y: The best-laid plans of "back mice" and men: a case report and literature review of episacroiliac lipoma. *Pain Physician* 19(3): 181-8, 2016. PM27008292
17. **Bicket MC**, Hurley RW, Moon JY, Brummett CM, Hanling S, Huntoon MA, van Zundert J, Cohen SP: The development and validation of a quality assessment and rating of technique for injections of the spine (AQUARIUS). *Reg Anesth Pain Med* 41(1): 80-5, 2016. PM26655218
18. **Bicket MC**, Kattail D, Yaster M, Wu CL, Pronovost P: An analysis of errors, discrepancies, and variation in opioid prescriptions for adult outpatients at a teaching hospital. *J Opioid Manag* 13(1): 51-57, 2017. PM28345746/PMC5697796
19. **Bicket MC**, Long JJ, Pronovost PJ, Alexander GC, Wu CL: Prescription opioid analgesics commonly unused after surgery: a systematic review. *JAMA Surg* 152(11): 1066-1071, 2017. PM28768328 /PMC5701659
20. **Bicket MC**, Pasquina PF, Cohen SP: Which regional pain rating best predicts patient-reported improvement in lumbar radiculopathy? *Pain Pract* 17(8): 1058-1065, 2017. PM28226408/PMC6585397
21. **Bicket MC**, Cohen SP: Lidocaine infusions and preventative analgesia: can the answer to our prayers be hiding right under our noses? *Pain* 159(9): 1677-1678, 2018. PM29757887
22. Maher DP, Martins YC, Doshi T, **Bicket MC**, Zhang K, Hanna G, Ahmed S: Neuropathic pain medication use does not alter outcomes of spinal cord stimulation for lower extremity pain. *Neuromodulation* 21(1): 106-113, 2018. PM28980364/PMC5766415
23. Overton HN, Hanna MN, Bruhn WE, Hutfless S, **Bicket MC**, Makary MA, Opioids After Surgery Workgroup.: Opioid-prescribing guidelines for common surgical procedures: an expert panel consensus. *J Am Coll Surg* 227(4): 411-418, 2018. PM30118896/PMC6353661
24. Lin DH, Jones CM, Compton WM, Heyward J, Losby JL, Murimi IB, Baldwin GT, Ballreich JM, Thomas DA, **Bicket MC**, Porter L, Tierce JC, Alexander GC: Prescription drug coverage for treatment of low back pain among US medicaid, medicare advantage, and commercial insurers. *JAMA Netw Open* 1(2): e180235, 2018. PM30646077/PMC6324424
25. Doshi TL, **Bicket MC**: Why aren't there more female pain medicine physicians? *Reg Anesth Pain Med* 43 (5): 516-520, 2018. PM29634520/PMC6459683
26. Heyward J, Jones CM, Compton WM, Lin DH, Losby JL, Murimi IB, Baldwin GT, Ballreich JM, Thomas DA, **Bicket MC**, Porter L, Tierce JC, Alexander GC: Coverage of nonpharmacologic treatments for low back pain among US public and private insurers. *JAMA Netw Open* 1(6): e183044, 2018. PM30646222 /PMC6324451
27. Brat GA, Agniel D, Beam A, Yorkgitis B, **Bicket MC**, Homer M, Fox KP, Knecht DB, McMahill-Walraven CN, Palmer N, Kohane I: Postsurgical prescriptions for opioid naive patients and association with overdose and misuse: retrospective cohort study. *BMJ* 360: j5790, 2018. PM29343479/PMC5769574
28. McGinty EE, Stuart EA, Caleb Alexander G, Barry CL, **Bicket MC**, Rutkow L: Protocol: mixed-methods study to evaluate implementation, enforcement, and outcomes of U.S. state laws intended to curb high- risk opioid prescribing. *Implement Sci* 13(1): 37, 2018. PM29482599/PMC5828404
29. **Bicket MC**, Murimi IB, Mansour O, Wu CL, Alexander GC: Association of new opioid continuation with surgical specialty and type in the United States. *Am J Surg* 218(5): 818-827, 2019. PM31023548
30. Cohen SP, **Bicket MC**, Kurihara C, Griffith SR, Fowler IM, Jacobs MB, Liu R, Anderson White M, Verdun AJ, Hari SB, Fisher RL, Pasquina PF, Vorobeychik Y: Fluoroscopically guided vs landmark-guided sacroiliac joint injections: a randomized controlled study. *Mayo Clin Proc* 94(4): 628-642, 2019. PM30853260
31. **Bicket MC**, White E, Pronovost PJ, Wu CL, Yaster M, Alexander GC: Opioid oversupply after joint and spine surgery: a prospective cohort study. *Anesth Analg* 128(2): 358-364, 2019. PM29677062
32. Adams MCB, **Bicket MC**, Murphy JD, Wu CL, Hurley RW: Opportunities and challenges for junior investigators conducting pain clinical trials. *Pain Rep* 4: 3, 2019. PM31372584/PMC6675408
33. Sivanesan E, **Bicket MC**, Cohen SP: Retrospective analysis of complications associated with dorsal root ganglion stimulation for pain relief in the FDA MAUDE database. *Reg Anesth Pain Med* 44(1): 100-106, 2019. PM30640660/PMC6363531
34. Murimi IB, Chang HY, **Bicket MC**, Jones CM, Alexander GC: Using trajectory models to assess the effect of hydrocodone upscheduling among chronic hydrocodone users. *Pharmacoepidemiol Drug Saf* 28(1): 70- 79, 2019. PM30187574
35. Kuza CM, Harbell MW, Malinzak EB, Goff KL, **Bicket MC**, Ifeanyi-Pillette IC, Wong BJ, Khanna AK: Transition to practice in anesthesiology: survey results of practicing anesthesiologists on their experience. *J Educ Perioper Med* 21(2): E619, 2019. PM31988980/PMC6972967
36. **Bicket MC**, Brat GA, Hutfless S, Wu CL, Nesbit SA, Alexander GC: Optimizing opioid prescribing and pain treatment for surgery: review and conceptual framework. *Am J Health Syst Pharm* 76(18): 1403- 1412, 2019. PM31505561
37. Brutcher RE, Kurihara C, **Bicket MC**, Moussavian-Yousefi P, Reece DE, Solomon LM, Griffith SR, Jamison DE, Cohen SP: Compounded topical pain creams to treat localized chronic pain: a randomized controlled trial. *Ann Intern Med* 170(5): 309-318, 2019. PM30716769
38. **Bicket MC**, Durbhakula S: One prescription for the opioid crisis: require buprenorphine waivers for pain medicine fellows. *Reg Anesth Pain Med* 2019 Aug 5: pii: rapm-2019-10074, 2019. PM31387971
39. Mun CJ, Letzen J, Nance S, Smith MT, Khanuja HS, Sterling RS, **Bicket MC**, Haythornthwaite JA, Jamison RN, Edwards RR, Campbell CM: Sex differences in interleukin-6 responses over time following laboratory pain testing among patients with knee osteoarthritis. *J Pain* Nov 13: pii: S1526-5900(19)30853- 3, 2019. PM31733364

40. Vermeulen LC, Eddington ND, Gourdine MA, Jorgenson J, Kvancz DA, Nesbit SA, **Bicket MC**, Zellmer WA, Hine A, Belford S, Peters SG, Hoffman JM, Schwab WE, Knoer S, Cosgrove DT, Kent SS, Clark JS: ASHP Foundation Pharmacy Forecast 2019: strategic planning advice for pharmacy departments in hospitals and health systems. *Am J Health Syst Pharm* 76(2): 71-100, 2019. PM30373935
41. Harris AB, Marrache M, Jami M, Raad M, Puvanesarajah V, Hassanzadeh H, Lee SH, Skolasky R, **Bicket MC**, Jain A: Chronic opioid use following anterior cervical discectomy and fusion surgery for degenerative cervical pathology. *Spine J* 20(1): 78-86, 2020. PM31536805
42. **Bicket MC**, Park JN, Torrie A, Allen ST, Weir BW, Sherman SG: Factors associated with chronic pain and non-medical opioid use among people who inject drugs. *Addict Behav* 102: 106172, 2020. PM31704433
43. Marrache M, Harris AB, Raad M, Puvanesarajah V, Pakpoor J, **Bicket MC**, Hassanzadeh H, Jain A: Preoperative and postoperative spending among working-age adults undergoing posterior spinal fusion surgery for degenerative disease. *World Neurosurg* 138: e930-e939, 2020. PM32251816
44. Ardeljan LD, Waldfogel JM, **Bicket MC**, Hunsberger JB, Vecchione TM, Arwood N, Eid A, Hatfield LA, McNamara L, Duncan R, Nesbit T, Smith J, Tran J, Nesbit SA: Current state of opioid stewardship. *Am J Health Syst Pharm* 77(8): 636-643, 2020. PM32236455
45. **Bicket MC**, McGinty EE: Cannabis use disorder and surgery: a budding problem? *Anesthesiology* 132(4): 612-613, 2020. PM32053558/PMC7071976
46. Jeffery MM, Chaisson CE, Hane C, Rumanes L, Tucker J, Hang L, McCoy R, Chen CL, **Bicket MC**, Hooten WM, Laroche M, Becker WC, Kornegay C, Racoosin JA, Sanghavi D: Assessment of potentially inappropriate prescribing of opioid analgesics requiring prior opioid tolerance. *JAMA Netw Open* 3(4): e202875, 2020. PM32293684/PMC7160686
47. Harris AB, Zhang B, Marrache M, Puvanesarajah V, Raad M, Hassanzadeh H, **Bicket MC**, Jain A: Chronic opioid use following lumbar discectomy: prevalence, risk factors, and current trends in the United States. *Neurospine* 17(4): 879-887, 2020. PM33401866/PMC7788426
48. Stone EM, Rutkow L, **Bicket MC**, Barry CL, Alexander GC, McGinty EE: Implementation and enforcement of state opioid prescribing laws. *Drug Alcohol Depend* 213: 108107, 2020. PM32554171 /PMC7371528
49. Marrache M, Harris AB, Puvanesarajah V, Raad M, Hassanzadeh H, Riley LH, Skolasky RL, **Bicket MC**, Jain A: Health care resource utilization in commercially insured patients undergoing anterior cervical discectomy and fusion for degenerative cervical pathology. *Global Spine J* #: 2192568219899340, 2020. PM32875850
50. **Bicket MC**, Grant MC, Scott MJ, Terman GW, Wick EC, Wu CL: AAAPT diagnostic criteria for acute abdominal and peritoneal pain after surgery. *J Pain* 21(11-12): 1125-1137, 2020. PM32006701
51. **Bicket MC**, Waljee J, Fernandez AC: Unintended consequences from the 2016 US Centers for Disease Control and Prevention guideline for prescribing opioids-accelerating change in postoperative prescribing. *JAMA Netw Open* 4(6): e2111997, 2021. PM34115134
52. Howard R, Brown CS, Lai YL, Gunaseelan V, Chua KP, Brummett C, Englesbe M, Waljee J, **Bicket MC**: The association of postoperative opioid prescriptions with patient outcomes. *Ann Surg* 274 (5): 410-416, 2021. PM34091508
53. McGinty EE, Tormohlen KN, Barry CL, **Bicket MC**, Rutkow L, Stuart EA: Protocol: mixed-methods study of how implementation of US state medical cannabis laws affects treatment of chronic non-cancer pain and adverse opioid outcomes. *Implement Sci* 16(1): 2, 2021. PM33413454/PMC7789408
54. **Bicket MC**, Fu D, Swarthout MD, White E, Nesbit SA, Monitto CL: Effect of drug disposal kits and fact sheets on elimination of leftover prescription opioids: the DISPOSE multi-arm randomized controlled trial. *Pain Med* 22(4): 961-969, 2021. PM33576394
55. **Bicket MC**, Iyengar V, States L: Addressing inequities in older adults' health: a role for emerging technologies *JAMA Health Forum* 2(4): e210680, 2021.
56. Cramer JD, Gunaseelan V, Hu HM, **Bicket MC**, Waljee JF, Brenner MJ: Association of state opioid prescription duration limits with changes in opioid prescribing for medicare beneficiaries. *JAMA Intern Med* 181(12): 1656-1657, 2021. PM34369965/PMC8353574
57. **Bicket MC**, McQuade B, Brummett CM: Opioid settlement funds-do not neglect patients with pain. *JAMA Health Forum* 2(8): e211765, 2021.
58. Howard R, Brown CS, Lai YL, Gunaseelan V, Brummett CM, Englesbe M, Waljee J, **Bicket MC**: Postoperative opioid prescribing and new persistent opioid use: the risk of excessive prescribing. *Ann Surg Epub: Ahead of Print*, 2022. PM35129474/PM35129474
59. **Bicket MC**, Lin LA, Waljee J: New persistent opioid use after surgery: a risk Factor for opioid use disorder? *Ann Surg* 275(2): e288-e289, 2022. PM35007229
60. **Bicket MC**, Gunaseelan V, Lagisetty P, Fernandez AC, Bohnert A, Assenmacher E, Sequeria M, Englesbe M, Brummett C, Waljee JF: Association of opioid exposure before surgery with opioid consumption after surgery. *Reg Anes Pain Med Epub: Ahead of Print*, 2022. PM35241626
61. McGinty EE, **Bicket MC**, Seewald NJ, Stuart EA, Alexander GC, Barry CL, McCourt AD, Rutkow L: Effects of state opioid prescribing laws on use of opioid and other pain treatments among commercially insured U.S. adults *Annals of Internal Medicine Epub: Ahead of print*, 2022. PM35286141
62. Alashqar A, Ishiwata R, Moss C, Andersen KM, Yanek L, **Bicket MC**, Caleb Alexander G, Borahay MA: Predictors of new persistent opioid use after benign hysterectomy in the United States. *Am J Obstet Gynecol Epub: Ahead of Print*, 2022. PM35248573

63. Hyung B, **Bicket MC**, Brull R, Pazmino-Canizares J, Bozak D, Ladha KS: Prospective preference assessment for the comparison of analgesic regimen effectiveness and safety in surgery (CARES) trial. *Trials* 23(1): 195, 2022. PM35246214/PMC8895621

Book Chapters

1. **Bicket MC**, Christo P: fMRI and pain. *Pain: The Person, the Science and the Clinical Interface*, Eds. Armati P, Chow R IP Communications Pty Ltd, Lane Cove, Australia, 2015.
2. **Bicket MC**, Cohen SP, Benzon HT: Transforaminal epidural steroid injections and selective nerve root blocks. *Essentials of Pain Medicine*, Eds. Benzon HT, Raja SN, Fishman SM, Liu SS, Cohen SP Saunders, Philadelphia, PA, 2017. Fourth

Reports

1. Framing opioid prescribing guidelines for acute pain: Developing the evidence, The National Academies Press, Washington, DC, 2020.