

DAVID N. FLYNN, MD, MBA

Curriculum vitae

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Contact Information:

Home Address: 101 Westside Drive, Chapel Hill, NC 27516

Work Address: N2198 UNC Hospitals, CB# 7010, Chapel Hill, NC 27599

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Education:

Postgraduate Training:

2013 –2016 Residency: Department of Anesthesiology, Hospital of the University of Pennsylvania, Philadelphia, PA.

2012 –2013 Internship: Department of Anesthesiology, Hospital of the University of Pennsylvania, Philadelphia, PA.

Professional Education:

2007-2012 Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA.
Doctor of Medicine (M.D.)

2010-2012 Wharton School of Business, University of Pennsylvania, Philadelphia, PA.
Master of Business Administration (M.B.A.), healthcare management

Undergraduate Education:

2002-2005 University of Wisconsin, Madison, WI.
Bachelor of Science (B.S.), molecular biology.

2001-2002 Washington University in St. Louis, School of Engineering, St. Louis, MO.
Undergraduate studies in Biomedical Engineering.

Additional Training and Education:

2021 LEAN Leadership in Healthcare Systems. New Hanover Regional Medical Center, Wilmington, NC.

2021 Introduction to Programming for Health Informatics (HCIP 5376; Course score: 99.7%). UNC Charlotte, Charlotte, NC.

2019 Healthcare Reimbursement (HPM 743; grade: honors). UNC Gillings School of Public Health, Chapel Hill, NC.

2017-2018 Leadership Fellow, Mission Health System & CTI Physician Leadership Institute. Asheville, NC.
Selected and sponsored by Mission Health executive team.

2008 Legal Aspects of Entrepreneurship, University of Pennsylvania School of Law, Philadelphia, PA.

Board Certification:

2018 American Board of Anesthesiology (Certificate #59263)

Certifications:

2021 American Society of Anesthesiologists Diagnostic Point of Care Ultrasound (POCUS) Certificate.

2021 Certified Professional in Healthcare Quality (CPHQ), National Association for Healthcare Quality.

2021 Certified Healthcare Financial Professional (CHFP), Healthcare Financial Management Association.

2020 Neonatal Resuscitation Program Certification – NRP.

2019 Basic Certificate in Quality and Safety, Institute for Healthcare Improvement.

2016 Pediatric Advanced Life Support – PALS (recertified 2020).

2016 Advanced Trauma Life Support – ATLS (COVID extension, 2021).

2016 Federal DEA Registration (renewed 2019).

2012 Advanced Cardiac Life Support – ACLS (recertified 2020).

Medical Licensure:

2018-present State of Hawaii (#MD-19834)

2016-present State of North Carolina (#217619)

Standardized Exam Scores:

2008 GMAT: 770 (99th percentile)

2004 MCAT: 38Q (99th percentile)

Employment History:

2019-present Assistant Professor, Department of Anesthesiology, University of North Carolina School of Medicine, Chapel Hill, NC.

2016-2018 Attending Anesthesiologist, Mission Health System, Asheville, NC.

2011 Summer Associate, Accolade, Inc., Plymouth Meeting, PA.

- 2011 Business Analyst, Office of Corporate Alliances, University of Pennsylvania School of Medicine, Philadelphia, PA.
- 2007-2012 Founder, Prepera, LLC (MCAT Tutoring Firm), Philadelphia, PA.
- 2005-2006 Fulbright Scholar, Department of Slow Viruses, Pasteur Institute, Paris, France.

Administrative & Leadership Responsibilities:

- 2020-2021 Physician Mortality Champion, UNC Hospitals, Chapel Hill, NC.
- 2020-2021 Medical Director for Anesthesia Services, Chatham Hospital, Siler City, NC.
- 2017-2018 Anesthesia Quality Officer, Mission Health System, Asheville, NC.
- 2017-2018 Mission Health Lead: American Society of Anesthesiologists (ASA)/Premier Hospital Innovation Improvement Network (HIIN) Safer Post-Operative Pain Management Pilot. Asheville, NC.

Honors and Awards:

- 2022 Robert L. Barber Certification Award. Awarded for achieving the highest score on the HFMA Certification Exam in 2021. Healthcare Financial Management Association of North Carolina. Pinehurst, NC.
- 2021 UNC-Medical Center Quality and Safety Team Award. Physician Lead: Mortality Reduction. Special recognition for sustained improvement. Chapel Hill, NC.
- 2018 Mission Health System Quality Team Award for 2018. Team leader: Anesthesia Opioid Reduction Initiative. Asheville, NC.
- 2012 Lawrence D. Dorr Award for Most Outstanding Paper in Surgical Techniques and Technologies. American Association of Hip and Knee Surgeons Annual Meeting, Dallas, TX.
- 2011 First Year Honors (top 20% of MBA class), Wharton School of Business, University of Pennsylvania. Philadelphia, PA.
- 2011 Ford Fellowship, Mack Center for Technological Innovation, Wharton School of Business, University of Pennsylvania. Philadelphia, PA.
- 2010-2012 Kaiser Fellowship Recipient (merit-based scholarship), Wharton School of Business, Department of Healthcare Management, University of Pennsylvania. Philadelphia, PA.
- 2010-2012 Joseph Wharton Fellowship (merit-based scholarship), Wharton School of Business, University of Pennsylvania. Philadelphia, PA.
- 2009 Finalist, Medical Student Abstract Competition, American College of Physicians National Conference, Philadelphia, PA.

2008-2012	Mayo Foundation Scholarship, Mayo Clinic College of Medicine. 4-year merit-based scholarship. Rochester, MN.
2007-2011	Merit Scholarship, Joseph and Eliza Bongiovanni Fund, University of Pennsylvania School of Medicine. 4-year merit-based scholarship. Philadelphia, PA.
2005-2006	Fulbright Scholarship Recipient. Bureau of Educational and Cultural Affairs, U.S. Department of State. Washington, D.C.
2005	Graduation with Distinction (Top 20% of class). University of Wisconsin-Madison. Madison, WI.
2005	Graduation with Honors. College of Letters & Science. University of Wisconsin-Madison. Madison, WI.
2005	Phi Beta Kappa, University of Wisconsin–Madison chapter. Madison, WI.
2003	Phi Kappa Phi, University of Wisconsin–Madison chapter. Madison, WI.
2001-2005	Hiawatha Valley Scholarship, 4-year merit scholarship. Winona, MN.
2002-2005	Deans List, 4 of 6 semesters, University of Wisconsin-Madison. Madison, WI.
2001-2002	Dean’s List, 2 of 2 semesters, Washington University in St. Louis. St. Louis, MO.

Bibliography & Products of Scholarship:

Book Chapters:

1. **Flynn DN** and Walls JD. Hypoparathyroidism. In: Fleisher LA, Roizen MF, Roizen J, eds. *Essence of Anesthesia Practice*. 4th ed. Philadelphia, PA. Elsevier; 2017.

Book Chapters: Submitted

1. **Flynn DN**, Dengler E, Lund ET. Competitor analysis. In: Clinical and Medical Innovation in Anesthesiology. Elsevier, 8 pages. (Submitted May 2021)
2. Godbole PG, Bullard TL, **Flynn DN**. Competitor analysis. In: Clinical and Medical Innovation in Anesthesiology. Philadelphia, PA. Elsevier, 8 pages. (Submitted October 2021)

Refereed (Peer Reviewed) Published Works:

1. Doyal A, **Flynn DN**, Schoenherr JW. Motor evoked potentials. In: *StatPearls*. Treasure Island, FL. StatPearls Publishing. April 2022.
2. **Flynn DN**, Rojas AF, Low AL, Bullard TL, Stearns J, Vishnevsky BL, Armbruster JR, Nanda M, Stander S, Schoenherr JW, McMillan DT, Krakowski JC, Grant SA. The road not taken: An

investigation of injectate spread between the thoracic paravertebral space and the quadratus lumborum. *J Clin Anesth* (2022);3(79):110697

3. Lund E, Low AB, Allan JD, Puentes JA, **Flynn DN**. Anesthetic challenges posed by heavy kratom users. *Cureus* (2022);14(3):e22864.
4. **Flynn DN**, Schoenherr JW, Doyal A. Gastric Ultrasound. In: *StatPearls*. Treasure Island, FL. StatPearls Publishing. March 2022.
5. **Flynn DN**, Lund ET, Grant SA. Review of the ASA Physical Status Classification: Comment. *Anesthesiology* (2022). PMID: 35130337 (published online, ahead of print)
6. Reibel Y, **Flynn DN**, Petersen A, Flynn PM. Acceptance of dental office obstructive sleep apnea screening among Minnesota State Fair Attendees. *J Dent Hyg* (2021);97(1):36-42.
7. Teeples AJ, **Flynn D**, Denslow S, Hooper V. Exploratory analysis of impact of gabapentin on incidence of postoperative nausea and vomiting in patients undergoing knee and hip arthroplasty with neuraxial anesthesia. *AANA J* (2020);88(5):391-396.
8. Liu J, **Flynn DN**, Liu WM, Fleisher LA, Elkassabany NM. Hospital-based acute care within 7 days of discharge after outpatient arthroscopic shoulder surgery. *Anesthesia and Analgesia* (2018);126(2):600-5.
9. Clement RC, Derman PB, Kheir MM, Soo AE, **Flynn DN**, Levin LS, Fleisher L. Risk adjustment for Medicare total knee arthroplasty bundled payments. *Orthopedics* (2016);39(5):e911-6.
10. Clement RC, Soo A, Derman PB, **Flynn DN**, Speck RM, Levin LS, Fleisher L. What incentives are created by Medicare payments for total hip arthroplasty? *Journal of Arthroplasty* (2016);31(9 Suppl):69-72.
11. Kheir MM, Clement RC, Derman PB, **Flynn DN**, Speck RM, Levin LS, Fleisher LA. Are there identifiable risk factors and causes associated with unplanned readmissions following total knee arthroplasty? *Journal of Arthroplasty* (2014);29(11):2192-6.
12. Clement RC, Kheir MM, Derman PB, **Flynn DN**, Speck RM, Levin LS, Fleisher LA. What are the economic consequences of unplanned readmissions after TKA? *Clinical Orthopaedics and Related Research* (2014);472(10):3134-41.
13. **Flynn DN**, Speck RM, Mahmoud NN, David G, Fleisher LA. The impact of complications following open colectomy on hospital finances: A retrospective cohort study. *Perioperative Medicine* (2014);3(1):1.
14. Clement RC, Derman PB, Graham DS, Speck RM, **Flynn DN**, Levin LS, Fleisher LA. Risk factors, causes, and the economic implications of unplanned readmissions following total hip arthroplasty. *Journal of Arthroplasty* (2013);28(8 Suppl):7-10.

15. Bassler D, Briel M, Montori VM, Lane M, Glasziou P, Zhou Q, Heels-Ansdell D, Walter SD, Guyatt GH; STOPIT-2 Study Group, **Flynn DN**, Elamin MB, Murad MH, Abu Elnour NO, Lampropulos JF, Sood A, Mullan RJ, Erwin PJ, Bankhead CR, Perera R, Ruiz Culebro C, You JJ, Mulla SM, Kaur J, Nerenberg KA, Schünemann H, Cook DJ, Lutz K, Ribic CM, Vale N, Malaga G, Akl EA, Ferreira-Gonzalez I, Alonso-Coello P, Urrutia G, Kunz R, Bucher HC, Nordmann AJ, Raatz H, da Silva SA, Tuche F, Strahm B, Djulbegovic B, Adhikari NK, Mills EJ, Gwadry-Sridhar F, Kirpalani H, Soares HP, Karanickolas PJ, Burns KE, Vandvik PO, Coto-Yglesias F, Chripim PP, Ramsay T. Stopping randomized trials early for benefit and estimation of treatment effects: a systematic review and meta-regression analysis. *JAMA* (2010);303(12):1180-7.
16. Yong PL, Bigman C, **Flynn DN**, Mittermaier D, Long JA. Messages about black-box warnings: A comparative analysis of reports from the FDA and lay media in the US. *Drug Safety* (2009);32(12):1147-57.
17. Journo C, Filipe J, About F, Chevalier SA, Afonso PV, Brady JN, **Flynn D**, Tangy F, Israël A, Vidalain PO, Mahieux R, Weil R. NRP/Optineurin cooperates with TAX1BP1 to potentiate the activation of NF- κ B by human T-lymphotropic virus type 1 tax protein. *PLoS Pathogens* (2009);5(7):e1000521.
18. Briel M, Lane M, Montori VM, Bassler D, Glasziou P, Malaga G, Akl EA, Ferreira-Gonzalez I, Alonso-Coello P, Urrutia G, Kunz R, Culebro CR, da Silva SA, **Flynn DN**, Elamin MB, Strahm B, Murad MH, Djulbegovic B, Adhikari NKJ, Mills EJ, Gwadry-Sridhar F, Kirpalani H, Soares HP, Abu Elnour NO, You JJ, Karanickolas PJ, Bucher HC, Lampropulos JF, Nordmann AJ, Burns KEA, Mulla SM, Raatz H, Sood A, Kaur J, Bankhead CR, Mullan RJ, Nerenberg KA, Vandvik PO, Coto-Yglesias F, Schünemann H, Tuche F, Chripim PPM, Cook DJ, Lutz K, Ribic CM, Vale N, Erwin PJ, Perera R, Zhou Q, Heels-Ansdell D, Walter SD, Guyatt GH. Stopping randomized trials early for benefit: a protocol of the Study Of Trial Policy Of Interim Truncation-2 (STOPIT-2). *Trials* (2009);10(1):49.
19. Elamin MB, **Flynn DN**, Bassler D, Briel M, Alonso-Coello P, Karanickolas PJ, Guyatt GH, Malaga G, Furukawa TA, Kunz R, Schunemann H, Murad MH, Barbui C, Cipriani A, Montori VM. Choice of data extraction tools for systematic reviews depends on resources and review complexity. *Journal of Clinical Epidemiology* (2009);62(5):506-10.
20. Mullan RJ, **Flynn DN**, Carlberg B, Tleyjeh IM, Kamath CC, LaBella ML, Erwin PJ, Guyatt GH, Montori VM. Systematic reviewers commonly contact study authors but do so with limited rigor. *Journal of Clinical Epidemiology* (2009);62(2):138-42.
21. Casey ET, Murad MH, Rizvi AZ, Sidawy AN, McGrath MM, Elamin MB, **Flynn DN**, McCausland FR, Vo DH, El-Zoghby Z, Duncan AA, Tracz MJ, Erwin PJ, Montori VM. Surveillance of arteriovenous hemodialysis access: A systematic review and meta-analysis. *Journal of Vascular Surgery* (2008);48:48S-54S.
22. Murad MH, Elamin MB, Sidawy AN, Malaga G, Rizvi AZ, **Flynn DN**, Casey ET, McCausland FR, McGrath MM, Vo DH, El-Zoghby Z, Duncan AA, Tracz MJ, Erwin PJ, Montori VM. Autogenous versus prosthetic vascular access for hemodialysis: A systematic review and meta-analysis. *Journal of Vascular Surgery* (2008);48:34S-47S.

23. Murad MH, Sidawy AN, Elamin MB, Rizvi AZ, **Flynn DN**, McCausland FR, McGrath MM, Vo DH, El-Zoghby Z, Casey ET, Duncan AA, Tracz MJ, Erwin PJ, Montori VM. Timing of referral for vascular access placement: A systematic review. *Journal of Vascular Surgery* (2008);48:31S-33S.
24. Murad MH, **Flynn DN**, Elamin MB, Guyatt GH, Hobson RW, Erwin PJ, Montori VM. Endarterectomy vs. stenting for carotid artery stenosis: A systematic review and meta-analysis. *Journal of Vascular Surgery* (2008);48(2):487-93.
25. Gandhi GY, Murad MH, Fujiyoshi A, Mullan RJ, **Flynn DN**, Elamin MB, Swiglo BA, Isley WL, Guyatt GH, Montori VM. Patient-important outcomes in registered diabetes trials. *JAMA* (2008);299(21):2543-49.
26. Gandhi GY, Murad MH, **Flynn DN**, Erwin PJ, Cavalcante AB, Bay Nielsen H, Capes SE, Thorlund K, Montori VM, Devereaux PJ. Effect of perioperative insulin infusion on surgical morbidity and mortality: Systematic review and meta-analysis of randomized trials. *Mayo Clinic Proceedings* (2008);83(4):418-430.
27. Swiglo BA, Cosma M, **Flynn DN**, Kurtz DM, LeBella ML, Mullan RJ, Erwin PJ, Montori VM. Clinical review: Antiandrogens for the treatment of hirsutism: A systematic review and meta-analysis of randomized controlled trials. *Journal of Clinical Endocrinology & Metabolism* (2008);93(4):1153-60.
28. Cosma M, Swiglo BA, **Flynn DN**, Kurtz DM, LeBella ML, Mullan RJ, Elamin MB, Erwin PJ, Montori VM. Clinical review: Insulin sensitizers for the treatment of hirsutism: A systematic review and meta-analyses of randomized controlled trials. *Journal of Clinical Endocrinology & Metabolism* (2008);93(4):1135-42.
29. Gandhi GY, Murad MH, **Flynn DN**, Elamin MB, Erwin PJ, Montori VM, Kudva YC. Immunotherapeutic agents in type 1 diabetes: A systematic review and meta-analysis of randomized controlled trials. *Clinical Endocrinology* (2008);69(2):244-52.

Refereed (Peer Reviewed) Articles: In press/Submitted

1. Velagapudi M, Nair AA, Strodbeck W, **Flynn DN**, Howell K, Liberman JS, Strunk JD, Horibe M, Nair BG. Evaluation of machine learning models as decision aids for anesthesiologists. Accepted for publication in *Journal of Clinical Monitoring and Computing* (submitted February 2022, accepted March 2022).
2. Doyal A, **Flynn DN**, Schoenherr JW, Kumar PA. A case of cross wires? EKG interference on BIS monitor. Submitted to *Anesthesiology* (submitted April 2022).
3. Sisk JM and Flynn DN. Anaesthesia recommendations for patients suffering from propionic acidemia. Submitted to *OrphanAnaesthesia* (submitted March 2022).
4. Schoenherr JW, Gonzalez M, Ricardo S, Park M, Lee Z, Cobb K, Howard C, **Flynn D**, Li Q, Grant S, Bullard T. Quality of recovery after rotator cuff repair with interscalene liposomal bupivacaine vs. interscalene nerve catheter. Submitted to *BMJ Quality* (submitted February 2022)

Refereed (Peer Reviewed) Published Abstracts

1. Journo C, Gessain A, **Flynn D**, About F, Filipe J, Afonso PV, Vidalain PO, Mahieux R, Weil R, Chevalier SA. Modulation of HTLV-1 Tax Protein Ubiquitination by cellular optineurin: function implications for the NF-kB pathway activation. *AIDS Research and Human Retroviruses* (2009):25(11):1228-1228.
2. Gandhi G, Murad M, Fujiyoshi A, Mullan R, **Flynn D**, Elamin M, Swiglo B, Isley W, Guyatt G, Montori V. Patient important outcomes in diabetes trials. Novel use of trial registries to forecast the future. *Diabetes* (2008) 57: A192-A192, Suppl 1.
3. Gandhi GY, Murad MH, Kudva YC, **Flynn DN**, Elamin MB, Erwin PJ, Montori VM. Preservation of Beta-Cell Function by Non-Antigen Based Immunotherapy in New Onset Type 1 Diabetes: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *Diabetes* (2007) 56: A54-A55, Suppl 1.
4. Gandhi GY, Murad MH, **Flynn DN**, Devereaux PJ, Erwin PJ, Nielsen HB, Cavalcante AB, Montori VM. Perioperative Insulin Infusion: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *Diabetes* (2007) 56: A54-A55, Suppl 1.
5. Swiglo BA, Cosma M, **Flynn DN**, Kurtz DM, LeBella ML, Mullan RJ, Erwin PJ, Montori VM. Antiandrogens in Hirsutism: A Systematic Review and Meta-analyses. *ENDO 2007 Research Summaries*: P2-340.
6. Cosma M, Swiglo BA, **Flynn DN**, Kurtz DM, LeBella ML, Mullan RJ, Erwin PJ, Montori VM. Insulin Sensitizers in Hirsutism: A Systematic Review and Meta-analyses of Randomized Controlled Trials. *ENDO 2007 Research Summaries*: P2-337.

Refereed Oral Presentations and (Peer Reviewed) Unpublished Abstracts

Oral Presentations

1. Soltes J, Ossman P, **Flynn D**. Try a different tack. A journey into mortality improvement. 2021 Vizient Connections Summit. Las Vegas, NV. 2021.
2. Teeples AJ, **Flynn DN**, Denslow S, Hooper V. Impact of gabapentin and dexamethasone on incidence of PONV in knee and hip arthroscopy patients with neuraxial anesthesia. North Carolina Organization of Nursing Leaders. Greensboro, NC. 2019.
3. **Flynn DN**, Liu WM, Elkassabany NM, Liu JB. Incidence, risk factors, and diagnoses associated with hospital-based acute care within 7-days of outpatient arthroscopic shoulder surgery. Pennsylvania Anesthesia Resident Research Conference, Hershey, PA, 2016.
4. **Flynn DN**, Liu WM, Elkassabany NM, Liu JB. Welcome back! Hospital-based acute care after discharge following outpatient arthroscopic shoulder surgery. American Society for Regional Anesthesia and Pain Medicine (ASRA) Annual Meeting, New Orleans, LA, 2016.

5. Clement RC, Kheir MM, Soo A, Derman PB, **Flynn D**, Levin LS, Fleisher L. Will TKA Bundled Payments without Risk Adjustment Create an Incentive to “Cherry Pick”? American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, FL, 2016.
6. Clement RC, Kheir MM, Soo A, Derman PB, **Flynn D**, Levin LS, Fleisher L. How will the Financial Incentive to Provide THA For High-risk Patients Change with Bundled Payments without Risk Adjustment? American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, FL, 2016.
7. Clement RC, Soo A, Kheir MM, Derman PB, **Flynn D**, Levin LS, Fleisher L. Medicare Payments for THA Create a Financial Incentive Favoring Low-risk Patients. American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, FL, 2016.
8. Clement RC, Kheir MM, Derman PB, **Flynn DN**, Speck RM, Levin RS, Fleisher LA. How will financial incentives to provide THA for sicker patients change with bundled payments? American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, 2015
9. Clement RC, Kheir MM, Derman PB, **Flynn DN**, Speck RM, Levin RS, Fleisher LA. What incentives are created by Medicare payments for total hip arthroplasty? American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, 2015.
10. Clement RC, Kheir MM, Derman PB, **Flynn DN**, Speck RM, Levin RS, Fleisher LA. What incentives are created by Medicare payments for total knee and total hip arthroplasty? American Academy of Hip and Knee Surgeons Annual Meeting, 2014.
11. Clement RC, Kheir MM, Derman PB, **Flynn DN**, Speck RM, Levin RS, Fleisher LA. What are the economic consequences of unplanned readmissions after TKA? American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, 2014.
12. Clement RC, Kheir MM, Derman PB, **Flynn DN**, Speck RM, Levin RS, Fleisher LA. Are there identifiable risk factors and causes associated with unplanned readmissions following total knee arthroplasty? American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, 2014.
13. Clement RC, Kheir MM, Derman PB, **Flynn DN**, Speck RM, Levin RS, Fleisher LA. Unplanned readmissions after TKA: Risk factors, causes, financial implications, and potential impact of health care reform. North Carolina Orthopaedic Association Annual Meeting, 2013.
14. **Flynn DN**, Speck RM, David G, Fleisher LA. Hospital costs associated with complications following open colectomy. American Society of Anesthesiologists Annual Meeting, San Francisco, CA, 2013.
15. Clement RC, Derman PB, **Flynn DN**, Speck RM, Levin LS, Fleisher LA. Risk factors, causes, and the financial implications of unplanned readmissions after total hip arthroplasty. American Association of Hip and Knee Surgeons Annual Meeting, Dallas, TX, 2012.
16. Gandhi GY, Murad MH, Kudva YC, **Flynn DN**, Elamin MB, Erwin PJ, Montori VM. Preservation of beta-cell function by non-antigen based immunotherapy in new onset type 1 diabetes: A

systematic review and meta-analysis of randomized controlled trials. American Diabetes Association 67th Scientific Sessions, Chicago, IL, 2007

Poster Presentations

1. Rojas RF, Grant SA, Low AL, Bullard TL, Stearns J, Vishnevsky MA, Armbruster JR, Nanda M, Stander S, Schoenherr JW, McMillan DT, Krakowski JC, **Flynn DN**. Anterior quadratus lumborum block and the thoracic paravertebral space – Too good to be true? American Society for Regional Anesthesia and Pain Medicine Annual Meeting, Las Vegas, NV, 2022.
2. Low AL, **Flynn DN**, Grant SA, Nanda M, Anumudu C. Percutaneous glossopharyngeal nerve block: An emerging option for awake intubation? American Society for Regional Anesthesia and Pain Medicine Annual Meeting, Las Vegas, NV, 2022.
3. Schoenherr JW, Gonzalez M, Serrano R, Cobb K, **Flynn DN**, Howard C, Park M, Lee Z, Li Q, Grant SA, Bullard TL. Interscalene liposomal bupivacaine vs. interscalene nerve catheter for arthroscopic rotator cuff repair. American Society for Regional Anesthesia and Pain Medicine Annual Meeting, Las Vegas, NV, 2022.
4. Tripi J, **Flynn DN**, Smeltz AM. ASA-PS Classification for patients with CAD. Are we all on the same page? American Society for Anesthesiologists Annual Meeting, San Diego, CA, 2021.
5. Velagapudi M, Nair AN, Strodbeck W, **Flynn D**, Howell K, Liberman JS, Strunk JD, Horibe M, Nair BG. Evaluation of machine learning models as decision aids for anesthesiologists. International Anesthesia Research Society Annual Meeting, Virtual, 2021.
6. D'Ercole F, Stander S, McMillan D, Levi M, Rhodes H, Lamm M, **Flynn D**, Dhanda V. Quality Improvement of Pyxis Inventory Using Radio Frequency Identification Technology. American Society for Anesthesiologists Annual Meeting, Virtual, 2020.
7. Leopold R, Allred CA, Greenberg M, McNulty L, Bhatia M, **Flynn DN**, Chen F. The majority of ASA assessments are incorrect without education. American Society for Anesthesiologists Annual Meeting, Virtual, 2020.
8. Teeple AJ, **Flynn DN**, Denslow S, Hooper V. Impact of gabapentin and dexamethasone on incidence of PONV in knee and hip arthroscopy patients with neuraxial anesthesia. North Carolina Organization of Nursing Leaders. Greensboro, NC. 2019.
9. Clement RC, Kheir MM, Soo A, Derman PB, **Flynn DN**, Speck RM, Levin RS, Fleisher LA. How will financial incentives to provide TKA & THA for high-risk patients change with bundled payments? American Academy of Hip and Knee Surgeons Annual Meeting, Dallas, TX, 2015.
10. Clement RC, Kheir MM, Derman PB, **Flynn DN**, Speck RM, Levin RS, Fleisher LA. How will financial incentives to provide TKA for sicker patients change with bundled payments? American Academy of Hip and Knee Surgeons Annual Meeting, Dallas, TX, 2014.

11. Clement RC, Kheir MM, Derman PB, **Flynn DN**, Speck RM, Levin RS, Fleisher LA. What are the economic consequences of unplanned readmissions following THA? American Academy of Hip and Knee Surgeons Annual Meeting, Dallas, TX, 2014.
12. Clement RC, Derman PB, **Flynn DN**, Speck RM, Levin LS, Fleisher LA. Risk factors, causes, and the financial implications of unplanned readmissions after total knee arthroplasty. American Association of Hip and Knee Surgeons Annual Meeting, Dallas, TX, 2012.
13. **Flynn DN**, Bigman C, Yong PL. Reporting of black-box warnings for prescription drugs by newspapers and the associated press. American College of Physicians National Meeting, Medical Student Competition, Philadelphia, PA, 2009.
14. Yong PL, Bigman C, **Flynn DN**, Mittermaier D, Long JA. Content Analysis of Media Reports about FDA Black Box Warnings. Robert Wood Johnson Clinical Scholars Program National Meeting 2008.
15. Gandhi GY, Murad HM, Fujiyoshi A, Mullan RJ, **Flynn DN**, Elamin MB, Swiglo BA, Isley W, Guyatt GH, Montori VM. Patient-important outcomes in diabetes trials: Novel use of trial registries to forecast the future. American Diabetes Association 68th Scientific Sessions, San Francisco, CA, 2008.
16. Cosma M, Swiglo BA, **Flynn DN**, Kurtz DM, LeBella ML, Mullan RJ, Erwin PJ, Montori VM. Insulin sensitizers in hirsutism: A systematic review and meta-analyses of randomized controlled trials. The Endocrine Society 89th Annual Meeting, Toronto, ON, 2007.
17. Swiglo BA, Cosma M, **Flynn DN**, Kurtz DM, LeBella ML, Mullan RJ, Erwin PJ, Montori VM. Antiandrogens in hirsutism: A systematic review and meta-analyses. The Endocrine Society 89th Annual Meeting, Toronto, ON, 2007.
18. Ghandi GY, Murad MH, **Flynn DN**, Devereaux PJ, Erwin PJ, Nielsen HB, Cavalcante AB, Montori VM. Perioperative insulin infusion: A systematic review and meta-analysis of randomized controlled trials. American Diabetes Association 67th Scientific Sessions, Chicago, IL, 2007.

Panels

1. **Flynn DN**. Reducing opioid-related harm: Multiple perspectives. 2018 Premier Inc. Breakthroughs Conference and Exhibition. Nashville, TN, 2018. Invited.

Other Products of Scholarship

1. Lund E, Whitten A, Middleton R, Phippeau J, **Flynn DN**. Converting Peri-Anesthesia Care Units into COVID-19 Critical Care Units. Anesthesiology News. April 30, 2020.
2. **Flynn DN**. Brining MRI scanners to the brachytherapy suite. A study of innovation in the field of radiation oncology. Mack Institute for Innovation Research, Wharton School of Business, University of Pennsylvania. Philadelphia, PA. April 2012.
<https://mackinstitute.wharton.upenn.edu/tag/david-flynn/>

Teaching Activities:

Lectures to UNC Medical Students

March 22, 2022	It's Payback Time: Personal Finance and Student Loan Management.
March 23, 2020	Malignant hyperthermia.
February 26, 2020	Malignant hyperthermia.
December 5, 2019	Malignant hyperthermia.
November 8, 2019	Malignant hyperthermia.
September 13, 2019	Malignant hyperthermia.
May 16, 2019	Malignant hyperthermia.
April 4, 2019	Intravenous anesthetics.

Lectures to UNC Department of Anesthesiology Residents

July 15, 2021	Neuromuscular Blockade. Agents and antidotes.
June 17, 2021	Muscle Relaxants and Reversal Agents. Practical and Technical Information for the OR and Boards
May 22, 2021	Choosing an anesthesia practice.
April 20, 2021	CNS disorders.
April 14, 2021	Operations Management. Small Group Facilitator.
July 20, 2020	Neuromuscular Blocking Drugs.
March 17, 2020	Ethics and Practice Management.
March 28, 2020	Anesthesia billing systems.
October 16, 2019	Current Trends in the Healthcare Marketplace and Implications for Anesthesiologists.
July 12, 2019	Neuromuscular Blocking Drugs.

Grand Rounds and Related Lectures at University of North Carolina

June 4, 2021	<i>UNC Medical Center Mortality Review Process.</i> Presentation to UNC Health Chief Medical Officers and Senior Quality Leaders.
March 5, 2021	<i>US News Rankings.</i> Neurology and Neurosciences Quality Council.
February 3, 2021	<i>State of Quality, UNC Medical Center.</i> Department of Surgery Grand Rounds.
March 4, 2020	<i>Value based care. Seeing 2020 and beyond.</i> UNC Department of Anesthesiology Grand Rounds.

Visiting Professor/Grand Rounds – Outside of North Carolina

October 26, 2020	<i>Value-based perioperative care. Principles and strategies for success.</i> Mayo Clinic Florida Department of Anesthesiology Grand Rounds. Jacksonville, FL.
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Continuing Education Lectures

June 17, 2020	<i>Value-based insurance contracts. Impact on anesthesia providers and how we should alter our practice in a value-based world.</i> Carolina Refresher Course 2020, Update in Anesthesiology, Pain, and Critical Care Medicine. Kiawah Island, NC. (Cancelled due to COVID-19)
June 15, 2020	<i>Patient satisfaction in outpatient surgery. How it's measured, why it matters, and what you can do about it.</i> Carolina Refresher Course 2020, Update in

Anesthesiology, Pain, and Critical Care Medicine. Kiawah Island, NC. Scheduled 06/17/2020. (Cancelled due to COVID-19)

Resident & Medical Student Teaching/Mentorship:

Team Based Quality Improvement Project: Faculty Mentor

2019- 2020 Improvement of ASA Physical Status Score Selection
Residents: Allred A, Leopold R, McNulty L, Greenberg M.
Co-mentor: Dr. Meena Bhatia

Academic Medicine Rotation Quality Improvement Projects

2021 Application of LEAN Management Principles to the Obstetric Operating Rooms
Resident: Khadija Razzaq
Co-mentors: Drs. Lacey Straube and Kathleen Smith

2020 ASA Classification for Patients with CAD. Are We All On the Same Page?
Resident: Jennifer Trippi
Co-mentor: Dr. Allan Smeltz

2020 Use of ASA Physical Status Reference Cards to Improve Reimbursement for Anesthesia Services
Resident: Damon Wallace
Co-mentor: Dr. Elisa Lund

2019 Assessment of Pharmacy Costs During CABG at UNC-Medical Center.
Resident: Jacob Schaffer
Co-mentor: Dr. Lavinia Kolarczyk

Medical Student Quality Improvement Projects

2020 Improvement of Preoperative Risk Assessment Documentation in Elective Colorectal Surgery
Student: BT Parker
Co-mentor (primary): Dr. Jin Ra

UNC Department of Anesthesiology Resident Mentorship

2021 Mentee: MG
2019-2020 Mentee: PS
2019 Mentee: BC

Other Teaching Activities, Department of Anesthesiology, University of North Carolina

November 24, 2021 Anesthesiology Mock Oral Board Examiner
May 19, 2021 Anesthesiology Mock Oral Board Examiner
May 2021 Anesthesiology Observed Structured Clinical Examination (OSCE) grader.
November 11, 2020 Anesthesiology mock oral board examiner
May 2, 2020 Anesthesiology mock oral board examiner
November 2019 Anesthesiology Observed Structured Clinical Examination (OSCE) grader
May 2, 2019 Anesthesiology mock oral board examiner

Professional Service:

National:

2021-present	American Society for Anesthesiologists (ASA) POCUS Mentor for Professional Certification Mentees: AD, MG, EL
2021	Foundation for Anesthesia Education and Research (FAER) Swimming with the Sharks Competition – Business Plan Evaluator

Hospital Committee Involvement:

UNC Health System, Chapel Hill, NC

2021	System Mortality Review Committee (co-chair)
2020-present	Expected Morality Project Team
2020-present	Mortality Oversight Committee
2020-present	Pharmacy and Therapeutics, System Pain/Anesthesia Subcommittee

UNC Medical Center, Chapel Hill, NC

2020-present	US News & World Report Strategy Team
2020-present	Mortality Review Committee
2020-present	Patient Safety Subcommittee
2020-present	Sepsis Planning Committee
2020-present	Failure to Rescue Committee
2020-present	Hospice and Palliative Care Collaborative
2019-present	Pharmacy and Therapeutics, Pain and Anesthesia Subcommittee

Chatham Hospital, Siler City, NC

2020-2021	Medical Staff Review Committee
2020-2021	Surgery Committee
2020-2021	Pharmacy and Therapeutics Committee
2020-2021	Infection Control Committee
2020-2021	Patient Safety and Clinical Quality Committee

UNC Department of Anesthesiology, Chapel Hill, NC

2021-present	Academic Performance Assessment Committee
2020-2021	Finance Committee (member, elected by peers)
2020-present	Patient Safety and Quality Improvement Committee
2020	COVID-19 Operating Room Planning Leader
2020	COVID-19 Anesthesia Supply Chain Response Leader

Mission Health System, Asheville, NC

2017-2018	System Pharmacy and Therapeutics Oversight Committee
2017-2018	System Pain Management Steering Committee
2017-2018	Central Line Associated Blood Stream Infection (CLABSI) Team
2017-2018	System Quality Oversight Committee

Volunteer Activities:

2010-2011	Director of Marketing. Wharton Global Health Volunteers, University of Pennsylvania.
2007-2008	Development Coordinator. United Community Clinics, University of Pennsylvania.
2005	Co-founder: The Wisconsin Journal of Science (WISCI), University of Wisconsin–Madison
2004	Preclinical volunteer. Student Health and Wellness Centres Organization, Cape Town, South Africa.
2003-2005	Tutor (math and sciences). Greater University Tutoring Service, University of Wisconsin–Madison.

Other:

2022-present	Attend Holdings, Inc., New York, NY – Strategic Advisor
2021-present	Psychable, Inc., Hawthorne, CA – Medical Advisor
2016-present	Medcrypt, Inc., Encinitas, CA– Advisor, Investor

Professional Societies:

2022-present	American Society for Regional Anesthesia and Pain Medicine
2019-present	Healthcare Financial Management Association
2018-present	National Association for Healthcare Quality
2016-present	North Carolina Society of Anesthesiologists
2012-present	American Society for Anesthesiologists