

Ian B. Hollis, PharmD, FCCP, BCPS

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Professional Employment

Associate Teaching Professor Division of Pharmacotherapy and Experimental Therapeutics (DPET) University of North Carolina Eshelman School of Pharmacy 301 Pharmacy Lane, CB #7355, Chapel Hill, NC 27599	Sept 2023 - present
Clinical Specialist, Cardiac Surgery & Advanced Heart Failure, LVAD, and Heart Transplant University of North Carolina Medical Center 101 Manning Drive, CB #7600 Chapel Hill, NC 27514	July 2012 – Aug 2023
Clinical Specialist, Cardiac & Vascular Surgery University of North Carolina Medical Center 101 Manning Drive, CB #7600 Chapel Hill, NC 27514	July 2010 – June 2012
Clinical Specialist, Cardiac, Vascular, & Thoracic Surgery University of North Carolina Medical Center 101 Manning Drive, CB #7600 Chapel Hill, NC 27514	July 2007 – June 2010

Education and Training

PGY2 Cardiology Pharmacy Residency University of North Carolina Medical Center Chapel Hill, NC Program Director: Deborah Montague, PharmD, BCPS	July 2006 – June 2007
PGY1 Pharmacy Practice Residency University of Michigan Hospitals and Health Centers Ann Arbor, MI Program Director: Nabil Khalidi, PharmD, FASHP	July 2005 – June 2006

Doctor of Pharmacy (PharmD)
The Ohio State University College of Pharmacy
Columbus, OH

September 2001 – June 2005

Bachelor of Science, Nutrition
The Ohio State University College of Agriculture
Columbus, OH

September 1995 – June 2000

Academic & Professional Appointments

Board of Pharmaceutical Specialties (BPS)
Specialty Council on Cardiology Pharmacy

September 2017 – December 2021

Chair

January 2021 – December 2021

Vice Chair

January 2020 – December 2020

Member

September 2017 – December 2019

- Member of the 9 person council responsible for the creation of the first BPS Board Certified Cardiology Pharmacist (BCCP) examination, delivered in Fall 2018
- Responsibilities included, but were not limited to:
 - o Examination item writing, editing, and selection for examinations
 - o Examination results standard setting/passing point determination
 - o BPS Council meeting attendance and participation
 - o Ongoing examination updates and maintenance
 - o Participation in BCCP Exam Role Delineation Study (RDS) in late 2020

Director, PGY2 Cardiology Pharmacy Residency
University of North Carolina Medical Center Department of Pharmacy

July 2013 – June 2024

Residency Graduates: 2021-22: Madeline E. Fuller, PharmD
Kaitlin L. Musick, PharmD

2020-21: Sydney T. Graboyes, PharmD, BCCP

Ryan M. Vesper, PharmD, BCCP

2019-20: Lauren M. Kemp, PharmD, BCPS, BCCP

Theresa M. Kline, PharmD, BCPS, BCCP

2018-19: Jacqueline M. Pyle, PharmD, BCCP

Anne M. Rodino, PharmD, BCCP

2017-18: Morgan E. Corkish, PharmD, BCCP

James B. Henderson, PharmD, BCCP

2016-17: Lauren T. Devine, PharmD, BCCP

Prashanth S. Iyer, PharmD, BCPS

2015-16: Mary E. Roth, PharmD, BCPS, BCCP

2014-15: Joseph S. Van Tuyl, PharmD, BCPS, BCCP

2013-14: Jenna M. Siskey, PharmD, BCPS, BCCP

Associate Professor of Clinical Education Division of Practice Advancement & Clinical Education (PACE) University of North Carolina Eshelman School of Pharmacy	May 2019 – Aug 2023
Assistant Professor of Clinical Education Division of Practice Advancement & Clinical Education (PACE) University of North Carolina Eshelman School of Pharmacy	September 2013 – April 2019
Clinical Assistant Professor University of North Carolina Eshelman School of Pharmacy	July 2007 – August 2013
Clinical Instructor University of North Carolina Eshelman School of Pharmacy	July 2006 – June 2007
Clinical Instructor University of Michigan College of Pharmacy	July 2005 – June 2006

Licensures and Certifications

Relational Leadership at Carolina A 6-day training session designed to improve Managing Self, Fostering Teamwork, Coaching and Developing, and Accelerating Change	Mar 3-April 14, 2022
UNC Lean Six Sigma Yellow and Purple Belt Training	May & October 2018
Advanced Cardiac Life Support (ACLS) American Heart Association	March 2017 – present
BPS Added Qualifications in Cardiology (AQ-Cardiology) <u>Credential number:</u> Q2130007	December 2013 – December 2020
BPS Board Certified Pharmacotherapy Specialist (BCPS) <u>Credential number:</u> 306007977	December 2006 – present
Basic Cardiac Life Support (BLS) American Heart Association	September 2005 – present
North Carolina Pharmacist License #18471	August 2006 – present
Michigan Pharmacist License #5302036303	August 2005 – June 2008
APhA Pharmacy-Based Immunization Delivery	September 2003 – October 2005

Other Pharmacy Experience

Pharmacy Intern Kroger, Inc. Grove City, OH	August 2001 – June 2005
Pharmacy Intern Merck-Medco Rx Services Columbus, OH	December 2001 – January 2004
Pharmacy Intern Department of Neurology The Ohio State University Hospitals Columbus, OH	July 2003 – September 2003
Research Assistant Division of Pharmaceutics The Ohio State University College of Pharmacy Columbus, OH	June 2002 – September 2002

Professional Affiliations (listed alphabetically)

American College of Cardiology (ACC)	November 2014 – present
American College of Clinical Pharmacy (ACCP)	August 2006 – present
Cardiology PRN President-Elect	November 2023 – October 2024
Cardiology PRN Communications and Social Media Committee (CSMC)	October 2019 – October 2021
Cardiology PRN Budget & Finance Committee – Vice Chair	October 2018 – October 2019
Cardiology PRN Budget & Finance Committee	October 2017 – October 2018
2018 Annual Meeting Programming Committee	October 2016 – October 2018
Cardiology PRN Annual Meeting Focus Session Programming Committee	October 2015 – October 2017
Cardiology PRN Membership Committee	October 2014 – October 2015
Education & Training PRN Member	February 2017 – present
Immunology/Transplantation PRN Member	January 2012 – present
Cardiology PRN Member	August 2006 – present
Critical Care PRN Member	August 2006 – December 2021
American Pharmacists Association (APhA)	September 2001 – December 2005
American Society of Health-System Pharmacists (ASHP)	September 2013 – present
Practitioner Surveyor, PGY2 Cardiology Pharmacy Residencies	July 2019 – present
Heart Failure Society of America (HFSA)	July 2015 – present
Practice Task Force	January 2022 – December 2022

International Society of Heart and Lung Transplantation (ISHLT) Pharmacy & Pharmacology Education Workforce	January 2011 – present April 2017 – April 2018
North Carolina Association of Pharmacists (NCAP)	August 2010 – August 2011
Ohio Society of Health-System Pharmacists (OSHP)	April 2003 – June 2005
Ohio Pharmacists Association (OPA)	September 2001 – December 2005
Society of Critical Care Medicine (SCCM)	December 2007 – December 2008

Peer-Reviewed Publications

Graboyes SDT and **Hollis IB**. Amiodarone Prophylaxis Is Reasonably Safe and Potentially Beneficial After CF-LVAD. ASAIO J. 2023 Sep 1;69(9):e421-e422.

Graboyes SDT, Owen PS, Evans RA, Berei TJ, Hryniewicz KM, **Hollis IB**. Review of anticoagulation considerations in extracorporeal membrane oxygenation support. Pharmacotherapy. 2023 Jul 30. doi: 10.1002/phar.2857.

Cavagnini ME, Best EE, Skersick, PT, Truitt KP, Musick KL, Mangum BR, **Hollis IB** and Rodgers JE. Impact of Inpatient Initiation of SGLT2 Inhibitors on Diuretic Requirements in Patients with Heart Failure. J Pharm Pract. 2023 Apr 9;8971900231159739. doi: 10.1177/08971900231159739.

Graboyes S, Harris T, Kline T, Iyer P, **Hollis IB**. Safety and Efficacy of Prophylactic Amiodarone After Left Ventricular Assist Device Implantation. ASAIO J. 2023 Jan 1;69(1):96-100.

Vesper RM, Kemp L, Iyer P, Granger K, Doligalski CD, Byku, M, and **Hollis IB**. Safety and Efficacy of Early Post-Operative Intravenous Iron Replacement in Patients with a HeartMate III Left Ventricular Assist Device. J Pharm Pract. 2022 Sep 14;8971900221127500.

Chien C, **Hollis IB**. (2021, March 3rd) AFFIRMing What We Know About IV Iron in Patients with Acute Heart Failure. American College of Cardiology Latest in Cardiology. Available at: <https://www.acc.org/latest-in-cardiology/articles/2021/03/03/17/59/affirming-what-we-know-about-iv-iron-in-patients-with-acute-heart-failure>.

Hollis IB, Doligalski C, and Jennings DJ. Pharmacotherapy for Durable Left Ventricular Assist Devices. Pharmacotherapy. 2020;41(1):14-27.

Brazeau NF, Levinson KJ, Schranz A, Moser KA, **Hollis IB**, Iyer P, Chien C, Bowen A, van Duin D, Lachievicz A, Andermann T, Jones M, Miller M, Juliano JJ, Barelt LA. Loss of daptomycin susceptibility in clinical Staphylococcus epidermidis infection coincided with variants in Walk. Evol Med Public Health 2020(1):291-24.

Rodino AM, Henderson JB, Dobbins KF, Rubin DT, and **Hollis IB**. Impact of Thrombocytopenia on Postoperative Bleeding Incidence in Patients Receiving Aspirin Following Coronary Artery Bypass Grafting. J Pharm Pract. 2020 Oct 21;897190020966193.

Hollis IB, Brink H. Acute Right Ventricular Failure With or Without Pulmonary Hypertension. American College of Clinical Pharmacy (ACCP)/Board of Pharmaceutical Specialties (BPS) Critical Care Self-Assessment Program (CCSAP). March 16th, 2020.

Henderson JB, Iyer P, Coniglio AC, Katz JN, Chien C, **Hollis IB**. Predictors of Warfarin Time in Therapeutic Range after Continuous-Flow Left Ventricular Assist Device. *Pharmacotherapy*. 2019 Oct;39(10):1030-1035.

Van Tuyl JS, Newsome AS, **Hollis IB**. Perioperative Bridging with Glycoprotein IIb/IIIa Inhibitors Versus Cangrelor: Balancing Efficacy and Safety. *Annals of Pharmacotherapy*. 2019 July; 53(7):726-737.

Heeney SA, Tjugum SL, Corkish ME, **Hollis IB**. Safety and Tolerability of High-Intensity Statin Therapy in Heart Transplant Patients Receiving Tacrolimus. *Clin Transplant*. 2019 Jan;33(1):e13454.

Bode LE, Wesner S, Katz JN, Chien CV, **Hollis IB**. Intravenous Versus Oral Iron Replacement in Patients with a Continuous-flow Left Ventricular Assist Device. *ASAIO J*. Nov/Dec 2019 65(8):e90-e91.

Buhlinger KM, **Hollis IB**. Effects of Dicloxacillin on Warfarin Dose in Patients with a Left Ventricular Assist Device. *J Pharm Pract*. 2019 Dec;32(6):687-692.

Smith KR, Hsu CC, Berei TJ, Aldemerdash A, **Hollis IB**, Vardeny O, Rodgers JE. PARADIGM-HF Trial: Secondary Analyses Address Unanswered Questions. *Pharmacotherapy*. 2018;38(2):284-98.

Kalich B, Allender JE, **Hollis IB**. Medication Management of Patients Undergoing Transcatheter Aortic Valve Replacement. *Pharmacotherapy*. 2018;38(1):122-138.

Van Tuyl JS, **Hollis IB**, Alburikan KA, Tran R, Murray BP, Rodgers JE, Katz JN, Sheridan BC. Warfarin and Aspirin Versus Warfarin Alone For Prevention of Embolic Events in Patients with a HeartMate II ® Left Ventricular Assist Device. *ASAIO*. 2017;63(6):731-735.

Hollis IB, Chen SL, Chang P, Katz JN. Reply to Gurvits Regarding: Desmopressin Use in Refractory Gastrointestinal Bleeding in LVAD Patient. *ASAIO*. 2017;63(5):e70.

Hollis IB, Chen SL, Chang, PP, Katz, JN. Inhaled Desmopressin For Refractory Gastrointestinal Bleeding in a Patient with a HeartMate II ® Left Ventricular Assist Device. *ASAIO*. 2017;63(4):e47-e49.

Cook AM, **Hollis IB**. Volume Management Strategies in Acute Decompensated Heart Failure. American College of Clinical Pharmacy (ACCP)/Board of Pharmaceutical Specialties (BPS) Critical Care Self-Assessment Program, January 15, 2017.

Hollis IB, Reed BN, Moranville, MP. Medication Management of Cardiac Allograft Vasculopathy After Heart Transplantation. *Pharmacotherapy*. 2015;35(5):489-501.

Hollis IB, Jennings DL, Oliphant CS, Baker WL, Davis EM, Allender JA, Zemrak WR, Ensor, CS. Key Articles and Guidelines in the Management of Patients Undergoing Cardiac Surgery. *J Pharm Pract*. 2015;28(1):67-85.

Katz JN, Waters SB, **Hollis IB**, Chang PP. Advanced Therapies for End Stage Heart Failure. *Curr Cardiol Rev*. 2015;11:63-72.

Danelich IM, Reed BN, **Hollis IB**, Cook AM, Rodgers JE. Clinical Update on the Management of Atrial Fibrillation. *Pharmacotherapy*. 2013;33(4):422–446.

Thompson MR, Nappi JM, Dunn SP, **Hollis IB**, Rodgers JE, Van Bakel AB. Continuous Versus Intermittent Infusion of Furosemide in Acute Decompensated Heart Failure. *J Card Fail*. 2010;16(3):188-193.

Other Professional Publications

Hollis IB. (2021, Nov 16th). Discussing Board Certification with Your Residents – a Residency Program Director’s Perspective. Board of Pharmaceutical Specialties (BPS). Available at: <https://www.bpsweb.org/2021/11/16/discussing-board-certification-with-your-residents/>

Hollis IB, Rodgers JE. Acute Decompensated Heart Failure. In Sutton S (Ed). *NAPLEX Review Guide*. The McGraw-Hill Companies, Inc. 2010:12-19.

Hollis IB, Regal RE. Calcium and Vitamin D in the prevention and treatment of osteoporosis. *Pharmacy and Therapeutics*. 2007;32(9):502-16.

Hollis IB. Community pharmacy interns have a responsibility to address patient non-adherence. *Ohio Pharmacist*. 2004;53(5):13.

Peer Reviewer

American Society of Health-System Pharmacists (ASHP) National Pharmacy Preceptors’ Conference (NPPC) Proposal Reviewer	January 2021
Journal of the American College of Clinical Pharmacy	February 2020 – present
Journal of Cardiac Failure	October 2019 – present
Transplant International	July 2019 – present
American Journal of Health Systems Pharmacy	January 2018 – present
<i>Cardiac Transplantation & Mechanical Circulatory Support for Advanced Heart Failure</i> ACCP Updates in Therapeutics: Cardiology Pharmacy Preparatory Review Course	August 2017
Journal of Pharmacy Practice	November 2016 – present
Journal of Heart and Lung Transplantation	July 2011 – present
Annals of Pharmacotherapy	April 2006 – present
Pharmacotherapy	January 2007 – present

Peer-Reviewed Abstracts

James JR, Fuller ME, Powell E, Hunt M, Omary A, and **Hollis IB**. Hemocompatibility-related adverse events associated with or without low molecular weight heparin bridging in outpatients with a HeartMate 3 left ventricular assist device. American College of Cardiology Scientific Session (Clinical Pharmacist Poster Session), March 2023.

Best EE, Cavagnini ME, Skersick PT, Truitt KP, Musick KL, Mangum BR, **Hollis IB**, Rodgers JE. Impact of Inpatient Initiation of SGLT2 Inhibitors for Heart Failure on Diuretic Requirements. American College of Cardiology Scientific Session April 2022.

Graboyes S, Harris T, Kline T, Iyer P, **Hollis IB**. Safety and Efficacy of Prophylactic Amiodarone After Left Ventricular Assist Device Implantation. American College of Cardiology Scientific Session May 2021. Journal of the American College of Cardiology 77 (18 Supplement 1), p763, 2021.

Yi MU, Iyer P, Byku M, **Hollis IB**. Safety And Efficacy Of Warfarin Alone For The Prevention Of Hemocompatibility-related Adverse Events In Patients With A Heartmate III™ Left Ventricular Assist Device. International Society of Heart and Lung Transplantation Annual Meeting, April 2021.

Vesper R, Granger K, Iyer P, Byku M, and **Hollis IB**. Effect Of Early Post-Operative Intravenous Iron Replacement In Patients With a HeartMate III LVAD. International Society of Heart and Lung Transplantation Annual Meeting, April 2021.

Patel V, **Hollis IB**, Katz JN, Chien CV, Iyer PS. Efficacy And Safety of Low-dose Intravenous Vitamin K for International Normalized Ratio Reversal in Left Ventricular Assist Device Patients. Heart Failure Society of America Annual Scientific Meeting, October 2020.

Yi MU, Iyer PS, **Hollis IB**. Early Experience with Elimination of Aspirin from the Antithrombotic Regimen of Patients with a HeartMate III™ Left Ventricular Assist Device. International Society of Heart and Lung Transplantation Annual Meeting, April 2020.

Kemp LM, Warner ML, Iyer PS, **Hollis IB**. Predictors of Need for Escalation of Care or Death in Patients with Left Ventricular Assist Device Driveline Infections. American College of Cardiology Scientific Session (Clinical Pharmacist Poster Session), March 2020.

Rhoney D, Corbett A, Anderson S, **Hollis IB**, Rodgers P, and Morbitzer K. Master Adaptive Learning: Re-engineering Core Integrated Pharmacotherapy Curriculum for 21st Century Learning. American College of Clinical Pharmacy Annual Meeting, October 2019.

Rodino AM, Henderson JB, Dobbins KF, Rubin DT, **Hollis IB**. Effect of platelet count on post-operative bleeding in patients receiving aspirin following coronary artery bypass grafting. American College of Cardiology Scientific Session (Clinical Pharmacist Poster Session), March 2019.

Jagielski SA, Cicci JD, Danelich I, Chang PC, **Hollis IB**, Rodgers JE. The Influence of Beta Blocker Therapy on the Hemodynamic Response to Inotrope Infusion in Patients with Acute Decompensated Heart Failure. American College of Cardiology Scientific Session, March 2019.

Nash R, Yi M, Katz, JN, **Hollis IB**. Psychiatry in the Heart Failure Population: Characterization of Depression Prevalence, Antidepressant Use, Pain Scores and Narcotic Requirements in Ventricular Assist Device Recipients. The Annual Meeting of the Academy of Consultation-Liaison Psychiatry, November 2018.

Carpenter CA, Fletcher KL, Deyo ZD, and **Hollis IB**. Tolerance of Sacubitril/Valsartan in African American Patients with Heart Failure with Reduced Ejection Fraction. American College of Clinical Pharmacy Global Conference, October 2018.

Hollis IB, Levinson K, Jones M, Lachiewicz A, Katz JN, van Duin D, Bartelt L. Emergence of Daptomycin Resistant Staphylococcus Epidermidis During Treatment of VAD-Associated Bacteremia. International Society of Heart and Lung Transplantation Annual Meeting, April 2018.

Heeney S, Tjugum S, Corkish ME, **Hollis IB**. Safety and tolerability of high intensity statin therapy in heart transplant patients receiving immunosuppression with tacrolimus. International Society of Heart and Lung Transplantation Annual Meeting, April 2018.

Corkish ME, Devine LT, Clarke MM, Murray BP, **Hollis IB**, Rose-Jones LJ. Rates of Hospitalization Associated with the Use of Aldosterone Receptor Antagonists in Patients with Pulmonary Arterial Hypertension. International Society of Heart and Lung Transplantation Annual Meeting, April 2018.

Bode L, Chien C, Katz, JN, **Hollis IB**. Efficacy of Oral vs. Intravenous Iron Supplementation in Patients with Left Ventricular Assist Devices. American College of Cardiology Scientific Session (Clinical Pharmacist Poster Session), March 2018.

Henderson JB, Chien C, Katz, JN, **Hollis IB**. Preoperative Predictors of Postoperative INR Control in Patients with Continuous Flow Left Ventricular Assist Devices. American College of Cardiology Scientific Session (Clinical Pharmacist Poster Session), March 2018.

Devine LT, Clarke MM, **Hollis IB**. Evaluation of the Appropriate Use of Aspirin for Primary Prevention Before and After the 2016 United States Preventative Task Force Guideline Publication. American College of Cardiology Scientific Session (Clinical Pharmacist Poster Session), March 2017.

Iyer P, Chien CV, Katz JN, **Hollis IB**. Assessing the Safety and Efficacy of Amiodarone in Preventing Left Ventricular Assist Device-Related Arrhythmias. American College of Cardiology Scientific Session (Clinical Pharmacist Poster Session), March 2017.

Plazak ME, Wells MA; Iyer P, **Hollis IB**, Aldemerdash A, Rodgers JE, Katz JN. Clinical Outcomes of Patients with a HeartMate II ® Left Ventricular Assist Device and Subtherapeutic Outpatient International Normalized Ratios When Not Bridged with Enoxaparin. American College of Cardiology Scientific Session (Clinical Pharmacist Poster Session), March 2017.

Bernacchi A, Corkish M, **Hollis IB**, Tran R, Rodgers JE, and Katz JN. Use of Guideline-Directed Medical Therapy for Heart Failure and Its Impact on Outcomes in Patients with a HeartMate II Continuous-Flow Left Ventricular Assist Device. Heart Failure Society of America Annual Scientific Meeting, September 2016.

Roth ME, Amerine L, Chen S-L, and **Hollis IB**. Efficacy and Safety of Fixed Low Dose Recombinant Activated Factor VII for Management of Bleeding in Patients Undergoing Cardiac Surgery. American College of Cardiology Scientific Session (Clinical Pharmacist Poster Session), April 2016.

Iyer P, **Hollis IB**, Katz JN. Safety and efficacy of vitamin D supplementation after left ventricular assist device or heart transplantation. American College of Clinical Pharmacy Annual Meeting, October 2015.

Katz JN, Peters AE, Waters SP, **Hollis IB**, and Jensen BC. Making a case for the heart failure ICU: Differences in characteristics and care between critically ill patients with and without heart failure. Heart Failure Society of America Annual Scientific Meeting, September 2015.

Peters AE, **Hollis IB**, and Katz JN. Efficacy of oral antimicrobial management in LVAD driveline infections. American Society for Artificial Internal Organs Annual Conference, June 2015.

Van Tuyl JS, Alburikan K, Keeler AW, Murray BP, Rodgers JE, **Hollis IB**. Safety and efficacy of combined aspirin and warfarin versus warfarin alone in the prevention of embolic events in patients with a durable left ventricular assist device. International Society of Heart and Lung Transplantation Annual Meeting, April 2015.

Malow E, Moss M, **Hollis IB**, Lee R. Tacrolimus monotherapy in cardiac transplantation. American Society of Health-System Pharmacists Midyear Clinical Meeting, December 2014.

Siskey JM, **Hollis IB**, Sheridan BC. Effect of IV post-operative anticoagulation on thrombotic and bleeding complications after implantation of a Jarvik 2000® LVAD. American College of Clinical Pharmacy Annual Meeting, October 2014.

Lyons K, Shah S, Lewis AN, **Hollis IB**. Evaluation of intravenous acetaminophen use at an academic medical center. American Society of Health-System Pharmacists Midyear Clinical Meeting, December 2012.

Lamm M, Moore R, **Hollis IB**, Poppe L, Hansen K. Retrospective review of recombinant factor VIIa (rFVIIa) use in cardiothoracic surgery patients. American Society of Health-System Pharmacists Midyear Clinical Meeting, December 2011.

Parker ZO, **Hollis IB**. Comparison of warfarin dosing requirements before and after LVAD placement. American Society of Health-System Pharmacists Midyear Clinical Meeting, December 2011.

Dumitru R, **Hollis IB**. Validation of a prophylactic vancomycin dosing regimen for surgical left ventricular assist device (LVAD) placement. American Society of Health-System Pharmacists Midyear Clinical Meeting, December 2010.

San Luis VA, **Hollis IB**, Kraft MD, DePestel DD, Streetman DS, Stein E, Teter CJ, Welage LS. Adverse Serotonergic Effects Observed In Patients Receiving Concomitant Linezolid and Serotonin Re-uptake Inhibitors. American College of Clinical Pharmacy Annual Meeting, October 2007.

Hollis IB, Montague D, Rodgers JE. Relative safety and efficacy of beta-blockers and nondihydropyridine calcium channel antagonists, with or without digoxin, for the acute rate control of atrial fibrillation in patients with low ejection fraction. American Society of Health-System Pharmacists Midyear Clinical Meeting, December 2006.

Hollis IB, Kraft MD, Depestel DD, et al. Adverse serotonergic effects observed in patients receiving concomitant linezolid and serotonin re-uptake Inhibitors. American Society of Health-System Pharmacists Midyear Clinical Meeting, December 2005.

McAuley JW, **Hollis IB**, Wolfe T. An evaluation of medication adherence and self-management techniques in patients with epilepsy. American Epilepsy Society Annual Meeting, Washington, DC. December 2005. *Epilepsia* 2005;46 (suppl 8):349.

Professional Presentations – National

Iron Deficiency and Anemia in Heart Failure: Clinical Applications for the Use of Intravenous Iron December 4, 2023

Presented with: TBD, PharmD

American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting
Anaheim, CA

DEBATE PRO: Treating CAV: Switch Immunosuppressants Today and Don't Delay! October 7, 2023

Part of: Frontiers in Surveillance of the Transplanted Heart: What Lies Beneath

Presented with Robert L. Page, II, PharmD

Heart Failure Society of America (HFSA) Annual Scientific Meeting
Cleveland, OH

Post Implant Management: Thin the Blood, Kill the Bugs April 21, 2023

Part of: Acute Mechanical Circulatory Support: Guidelines, Consensus and Practical Issues

Presented with: Alexander Bernhardt, MD, David Baran, MD,
and Paola Morejon Barragan, MD

International Society of Heart and Lung Transplantation (ISHLT)
43rd Anniversary Meeting and Scientific Sessions

Cardiogenic Shock: Advances, Opportunities, and Controversies March 6, 2023

Panelist, presented with: Bailey Estes, RN, Lene Holmvang, DSc, Navir Kapur, MD, and others

American College of Cardiology (ACC) World Congress of Cardiology
New Orleans, LA

Breaking Down CardioMEMS and CRT in guideline directed heart failure management October 15, 2022

Part of Cardiology PRN Focus Session Titled: Understanding the Alphabet Soup:

Dissecting Device Therapies in Cardiovascular Disease

Presented with: Kazuhiko Kido, PharmD, and Arden Barry, PharmD

American College of Clinical Pharmacy (ACCP) Global Conference on Clinical Pharmacy
San Francisco, CA

Dissecting the Optimal Anticoagulation Monitoring Strategy April 3, 2022

Part of session titled: Anticoagulation and Device Management Strategies in
Mechanical Circulatory Support - Pharmacology Session I

Presented with Doug Jennings, PharmD

American College of Cardiology (ACC) World Congress of Cardiology
Washington, DC

The Beans! How to Overcome Diuretic Resistance in Heart Failure

May 15, 2021

Part of session titled: Treating Comorbidities to Treat Heart Failure: Sleep, Exercise, Weight Loss, Iron and More!

Presented at American College of Cardiology (ACC) World Congress of Cardiology Virtual Meeting

Safety and Efficacy of Warfarin Alone for the Prevention of Hemocompatibility-Related Adverse Events in Patients with a HeartMate III™ Left Ventricular Assist Device

April 26, 2021

International Society of Heart and Lung Transplantation (ISHLT)

41st Anniversary Meeting and Scientific Sessions

Virtual Meeting

Symposium titled: Greasing the Wheels: Antiplatelet Therapy for LVADs

April 25, 2021

Session creator and co-moderator (with Peter Ivak, MD) for presentations by

Andrew Mardis, PharmD; Phillip Weeks, PharmD; Carlo Bartoli, MD;

Amanda Ingemi, PharmD, Ivan Netuka, MD, PhD, and Christopher Michaud, PharmD

International Society of Heart and Lung Transplantation (ISHLT)

41st Anniversary Meeting and Scientific Sessions

Virtual Meeting

Severe Late Graft Failure (LGF)

February 8, 2021

International Society of Heart and Lung Transplantation (ISHLT)

Acute Heart Failure and Transplantation Interdisciplinary Network Case Conference

Presented with Annalisa Angelini MD, Sharon Chih MD, Mary Dew PhD,

Daniel Kim MD, Jignesh Patel MD, Stephanie Pouch MD, and Kiran Sidhu MD

Virtual Session

ECMO Anticoagulation: Heparin vs. Bivalirudin

December 2020

Part of session titled: Speaking from the Heart: Great Debates in Cardiology

Presented with Ted Berei, PharmD, MBA, BCPS, BCCP

American Society of Health System Pharmacists' (ASHP) Midyear Meeting

Virtual Meeting

State of The Art Presentation: Review of Mechanical Assist Devices – ECMO, Impella, LVAD, RVAD

March 29, 2020
(Session canceled due to Covid-19)

Session titled: Anticoagulation Conundrums in Mechanical Circulatory Support: Pharmacology Session I

Presented with Tyler Gluckman, PharmD, and Doug Jennings, PharmD

American College of Cardiology (ACC) World Congress of Cardiology

Chicago, IL

Balancing Thrombosis and Bleeding Risk in Patients with a Durable Ventricular Assist Device October 29, 2019

Part of Cardiology PRN Focus Session Titled: What's New and Exciting in Cardiovascular Pharmacotherapy?

Presented with: C. Michael White, PharmD, Kristen Bova Campbell, PharmD, Douglas Jennings, PharmD, and Edward Horn, PharmD

American College of Clinical Pharmacy (ACCP) Global Conference on Clinical Pharmacy
New York, NY

Augmenting Decongestion: When to Use IV Vasodilators and Inotropic Support September 16, 2019

Part of session titled: Ten Simple Tips: How to Best Treat Volume Overload in Heart Failure: From Medications to Machines

Presented with: Audrey Kleet, RN, Michael Felker, MD, Bradley Bart, MD, and Marat Fudim, MD

Heart Failure Society of America (HFSA) 23rd Annual Scientific Meeting
Philadelphia, PA

Precepting Early Pharmacy Learners: Expectations, Assessment, and Practical Application June 13, 2019

Presented with: Nicole Pinelli Reitter, PharmD, MS, FCCP, CDE and Kathryn Fuller, PharmD
American College of Clinical Pharmacy (ACCP) Cardiology PRN Student & Resident Subcommittee Professional Development Online Webinar

Updates from the International Society of Heart and Lung Transplantation (ISHLT) Annual Meeting April 18, 2019

Session moderator for presentations by Kim Boyle, PharmD, Keith Fester, PharmD, and Sara Strout, PharmD

American College of Clinical Pharmacy (ACCP) Immunology and Transplantation PRN Virtual Session

Ain't No Hemoglobin High Enough: Approaches to Hemoglobin Optimization and Bleeding Reversal Pre- and Post-Surgery April 5, 2019

Session titled: SUNRISE SYMPOSIUM: A Bloody Mess: Management of Hematologic Complications in Transplantation and MCS

Presented with: Jennifer McDermott, PharmD, and Sara Strout, PharmD
International Society of Heart and Lung Transplantation (ISHLT) Annual Meeting
Orlando, FL

Leveraging Technology to Enhance Collaboration: Concepts and Strategies for Connecting Learners and Coworkers of Different Digital Skill Sets October 20, 2018

Session moderator for presentations by Brent N. Reed, PharmD, and Stuart Haines, PharmD
American College of Clinical Pharmacy (ACCP) Annual Meeting
Seattle, WA

Team-Based Teaching Strategies and Educational Curricula for Experiential Learners October 13, 2018

Presented with Kamakshi Rao, PharmD

American Society of Health-Systems Pharmacists (ASHP)
National Pharmacy Preceptors Conference
Dallas, TX

Medication Management of Patients Undergoing Cardiac Surgery August 2013
Online seminar for American Society of Health-Systems Pharmacists (ASHP)
/UNC Pharmacy Grand Rounds

Professional Presentations – State/Regional

Panel Session: Using Social Media to Expand Clinical Knowledge May 17, 2022
Presented with Brittany Jennings
Research in Education and Practice Symposium (REPS)
Chapel Hill, NC

A Panel Session on Online Practices Across UNC Health Sciences June 26th, 2020
Presented with Katharine Ciarocca, DMD MEd, Kurt Gilliland, PhD,
and Manisha Mittal, MED, MA
University of North Carolina CIPHER's Summer Series for Online Learning

Building Your Roster: New Advances in Heart Failure Medication Management January 13, 2020
Colorado Pharmacists' Society Winter Meeting
Vail, Colorado

The Layered Learning Practice Model: Overview & Implementation Experiences April 23, 2019
Presented with Nicole Pinelli Reitter, PharmD, MS, Jill Bates, PharmD, MS
and Jordan Masterson, PharmD
Online New Hanover Area Health Education (AHEC) Webinar

Updates in the Management of Heart Failure January 11, 2019
Charlotte Area Health Education (AHEC) Ambulatory Care
Continuing Education Seminar
Concord, NC

Defying the "Shadow" September/October 2017
UNC Eshelman School of Pharmacy Precepting Essentials
Continuing Education Online Webinar

Precepting: Layered Learner Model and Integration of Students September 2017
and Residents into Practice Sites
Best Practices Roundtable Discussion at the NC Association of Pharmacists (NCAP)
Annual Convention
Greensboro, NC

Integrative Pharmacotherapy and Immersion: Shared Development of Future Clinicians December 2016
Co-presented with Scott Singleton, PhD
UNC Eshelman School of Pharmacy Fourth Annual Preceptor & Partner Symposium
Chapel Hill, NC

Management of Patients with Heart Failure with Valvular Disease May 2015
 Co-presented with Jo E. Rodgers, PharmD
 Charlotte Area Health Education (AHEC) Continuing Education Seminar
 Charlotte, NC

Management of Patients with Heart Failure and Valvular Disease: May 2014
Using the Recently Updated ACC/AHA Guidelines to Optimize Patient Care
 Presented at the Triangle College of Clinical Pharmacy chapter conference
 Chapel Hill, NC

Professional Presentations – Local

The Peer Review Process March 2021 - present
 Annual presentation for UNC Medical Center Pharmacy Residency Research Series
 University of North Carolina, Chapel Hill, NC

Medication Management of patients with a Continuous Flow LVAD (CF-LVAD) June 2020
 Presented at UNC Heart Transplant/LVAD monthly team conference
 University of North Carolina, Chapel Hill, NC

Preceptor Design Lab: Engineering Your Practice Experiences and Activities November 2018
to Elevate Every Level of Learner
 CIPhER – Center for Innovative Pharmacy Education & Research Seminar
 Presented with: Kayley Lyons, PharmD, Graduate Research Assistant,
 UNC School of Education, Chapel Hill, NC

Medication Management of patients with a Continuous Flow LVAD (CF-LVAD) March 2018
 Presented at UNC Heart Transplant/LVAD monthly team conference
 University of North Carolina, Chapel Hill, NC

LVAD infections: Prevention, Diagnosis and Treatment October 2017
 Presented at the UNC Immunocompromised ID Team Weekly Conference
 University of North Carolina, Chapel Hill, NC

Inhaled Epoprostenol (Flolan ®) for RV Protection during Cardiac Surgery July 2017
 Presented at the UNC CT Anesthesia Team Weekly Conference
 University of North Carolina, Chapel Hill, NC

Cardiovascular Pharmacology of Heart Failure July 2017- present
 Annual presentation in the UNC Cardiothoracic Fellows Teaching Sequence
 University of North Carolina, Chapel Hill, NC

Immunosuppression in Heart Transplantation November 2016
 Presented at UNC Heart Transplant/LVAD monthly team conference
 University of North Carolina, Chapel Hill, NC

- Providing and Receiving Feedback: Utilizing Face-to-Face Interactions and PharmAcademic to Optimize the Process February 2017, August 2016
Co-presented with Leah Hatfield, PharmD
UNC Department of Pharmacy Seminar
- Updates in UNC Preceptor Development Initiatives September 2015
Co-presented with Nicki Pinelli, PharmD
UNC Department of Pharmacy Seminar
University of North Carolina, Chapel Hill, NC
- LVAD Driveline Infections: Current Management Strategies September 2015
Presented at UNC Heart Transplant/LVAD monthly team conference
University of North Carolina, Chapel Hill, NC
- Reducing Ventricular Assist Device Readmissions February 2015
Co-presented with Tracie Rivet, MA, BSN, RN
UNC 12th Annual "The Beat Goes On" Nursing Conference
- Oral Anticoagulants and Antiplatelet Agents: Management Around OMFS Procedures August 2014
Presented at weekly UNC Oral & Maxillofacial fellows conference
University of North Carolina, Chapel Hill, NC
- New Anticoagulant and Antiplatelet Agents January 2012
Presented at UNC Cardiothoracic Surgery Conference
University of North Carolina, Chapel Hill, NC
- Use of Recombinant Factor 7a in Cardiothoracic Surgery April 2010
Presented at UNC Cardiothoracic Surgery Conference
University of North Carolina, Chapel Hill, NC
- Perioperative Medication Management of Cardiac Surgery Patients February 2010
Presented for UNC/ASHP Pharmacy Grand Rounds
University of North Carolina, Chapel Hill, NC
- Safety and Efficacy of Beta Blockade in Patients with COPD March 2009
Presented at UNC Cardiothoracic Surgery Conference
University of North Carolina, Chapel Hill, NC
- The Non-Osteoporotic Consequences of Vitamin D Insufficiency December 2008
Presented at UNC Hospitals Pharmacy Grand Rounds
University of North Carolina, Chapel Hill, NC
- Immunosuppression in Thoracic Organ Transplantation August 2008
Presented at UNC Cardiothoracic Surgery Conference
University of North Carolina, Chapel Hill, NC

Pharmacologic Treatment of Heart Failure

June 2008

UNC Hospitals Heart Center Nursing Continuing Education Seminar

University of North Carolina, Chapel Hill, NC

Teaching Experience

Large Group/Didactic

Ventricular Assist devices (VADs) &

May 1, 2023

Heart Transplantation (OHT):

Med Management of Patients with Advanced Surgical Therapies for Heart Failure

Advanced Cardiovascular Pharmacotherapy

University of Colorado School of Pharmacy

2-hour presentation/discussion

Heart Transplantation

September/October 2022 - present

UNC Eshelman School of Pharmacy

Pharmacy 824: Solid Organ Transplantation Elective

Yearly, 2.5-hour large group presentation/discussion

Acute Decompensated Heart Failure/Peripheral Arterial Disease

January 2018

UNC Eshelman School of Pharmacy

Pharmacy 733: Integrative Pharmacotherapy

1.5-hour large group discussion

Ventricular Assist devices (VADs) &

November 2014 – present

Heart Transplantation (OHT):

Med Management of Patients with Advanced Surgical Therapies for Heart Failure

UNC Eshelman School of Pharmacy

DPET 833: Advanced Cardiovascular Pharmacotherapy

Yearly, 2.5-hour large group presentation/discussion

Medication Management of Patients

February 2014 – February 2016

Undergoing Coronary Artery Bypass Grafting (CABG)

Pharmacy 444 Cardiology/Nephrology

UNC Eshelman School of Pharmacy

Yearly, 45 minute didactic lecture

Medication Management of the Patient

February 2014 – February 2016

Undergoing Cardiac Valve Replacement(s)

Pharmacy 444 Cardiology/Nephrology

UNC Eshelman School of Pharmacy

Yearly, 40-minute didactic lecture

Peripheral Arterial Disease

February 2014 – February 2016

Pharmacy 444 Cardiology/Nephrology

UNC Eshelman School of Pharmacy

Yearly, 15-minute didactic lecture

Medication Management of Patients

Undergoing Cardiac Surgery

UNC Eshelman School of Pharmacy

DPET 813: Advanced Cardiovascular Pharmacotherapy

Yearly, 1-hour didactic lecture

September 2012 – September 2013

Medication Management of the Patient

Undergoing Cardiac Surgery

Pharmacy 444 Cardiology/Nephrology

UNC Eshelman School of Pharmacy

Yearly, 1-hour didactic lecture

February 2008 – February 2013

Peripheral Arterial Disease

Pharmacy 444 Cardiology/Nephrology

UNC Eshelman School of Pharmacy

Yearly, 1-hour didactic lecture

February 2009 – February 2013

Pharmacologic Management of Heart Failure

UNC Heart & Vascular Nursing

Left Ventricular Assist Device

Continuing Education Seminar

2-3 times yearly, 1-hour didactic lecture

June 2008 – present

Perioperative Hemodynamics of

Cardiovascular Surgeries

UNC Eshelman School of Pharmacy

Critical Care Elective Course

Yearly, 2-hour case-based seminar

February 2008 – February 2012

Pharmacology of Ischemic Heart Disease

Pharmacy 444 Cardiology/Nephrology

UNC Eshelman School of Pharmacy

1-hour lecture

January 2007

Principles of Pharmaceutics, Pharmacokinetics

& Pharmacodynamics

UNC School of Nursing, Course N58

2-3 times yearly, 2-hour lecture

September 2006 – September 2012

Small group/Case-based

Contemporary Heart Failure

UNC Hospitals Heart & Vascular Pharmacy Teaching POD

Monthly, 90-minute small group discussion

July 2019 – August 2023

<i>Heart Failure</i> UNC Hospitals PGY1 resident Case Conference Yearly, 60-minute, case-based presentation facilitation	January 2014 – present
<i>Heart Failure</i> Pharmacy 444 Cardiology/Nephrology UNC Eshelman School of Pharmacy 2-3 times yearly, 1-hour case-based discussion	February 2012- 2013
<i>Hemodynamics</i> UNC Hospitals Heart & Vascular Pharmacy Teaching POD Monthly, 90-minute small group discussion	July 2013 – August 2023
<i>Coronary Artery Bypass Grafting (CABG)</i> UNC Hospitals Heart & Vascular Pharmacy Teaching POD Monthly, 90-minute small group discussion	July 2011 – June 2016
<i>Valvular Disease</i> UNC Hospitals Heart & Vascular Pharmacy Teaching POD Monthly, 90-minute small group discussion	July 2011 – August 2020

Local Committee Membership/Leadership

UNC Eshelman School of Pharmacy Curricular Innovation Committee (CIC)	August 2018 – March 2020
UNC Medical Center/ UNC Eshelman School of Pharmacy Partnership in Patient Care (PIPC) Version 2.0 Education Committee	March 2018 – March 2021
UNC Eshelman School of Pharmacy Integrative Pharmacotherapy Design Team	August 2016 – present
Coordinator, UNC Medical Center Pharmacy Residency Preceptor Development Committee	July 2015 – March 2021
Chair, UNC Medical Center Medication Safety Insulin Subcommittee	October 2011 – January 2012
UNC Medical Center Heart & Vascular Medication Safety Team	June 2011 – July 2018
UNC Medical Center NPSG 3E VTE/PE Prevention Task Force	January 2010 – Sept 2011
Chair, UNC Medical Center Pharmacy PGY-1 Residency Progression Committee	July 2009 – June 2015
UNC Medical Center Pharmacy Residency Research Committee	June 2009 – June 2020
UNC Medical Center Pharmacy Acute Care Services Committee	April 2009 – August 2023

UNC Medical Center and Eshelman School of Pharmacy Collaborative Working Group	October 2008 – April 2009
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UNC Medical Center NPSG 3E Anticoagulation Task Force	June 2008 – January 2009
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UNC Medical Center Medication Safety Committee	November 2007 – September 2020
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Awards and Recognition

Worthy of Recognition – Student Evaluation of Instructor Effectiveness UNC Eshelman School of Pharmacy Pharmacy 833: Cardiology Elective	September/October 2022
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Worthy of Recognition – Student Evaluation of Instructor Effectiveness UNC Eshelman School of Pharmacy Pharmacy 824: Solid Organ Transplantation Elective	September/October 2022
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Fellow, American College of Clinical Pharmacy <i>Awarded for sustained contributions to the College and for demonstration of exceptional performance in clinical pharmacy practice and/or research</i>	October 17 th , 2021
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American Association of Colleges of Pharmacy (AACP) Master Preceptor <i>Awarded for sustained commitment to excellence in experiential education and professional practice</i>	April 2021
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American College of Clinical Pharmacy (ACCP) Cardiology PRN Mentoring Award <i>Awarded for Outstanding Commitment to the Mentoring of Students and Residents</i>	October 26, 2020
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UNC Eshelman School of Pharmacy Office of Experiential Programs "Preceptor of Excellence" <i>Awarded by the students of the UNC Eshelman School of Pharmacy For "Exceptional teaching and mentorship"</i>	May 3, 2019
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American Association of Colleges of Pharmacy (AACP) Innovation in Teaching Award Presented for: Rhoney D, Corbett A, Anderson S, Angelo T, Hollis IB, Morbitzer K, and Rodgers P. "Master Adaptive Learning: Reengineering Core Integrated Pharmacotherapy Curriculum for 21 st Century Learning"	April 20, 2019
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The University of North Carolina Medical Center Department of Pharmacy & The University of North Carolina Eshelman School of Pharmacy 2018 – 2019 Advanced Immersion Preceptor of the Year	April 18, 2019
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UNC Eshelman School of Pharmacy Office of Experiential Education
Claude Paoloni Health System Preceptor of the Year
Awarded by the PharmD Class of 2016
For outstanding contribution to the educational development of future pharmacists

April 24, 2016

Past Leadership Experience

President, Academy of Student Pharmacists
The Ohio State University College of Pharmacy
June 2003 – June 2004

President, Doctor of Pharmacy Class of 2005
The Ohio State University College of Pharmacy
October 2001 – June 2002

Community Service

Volunteer
NewHope Church & Habitat for Humanity Home Build
Durham, NC
August 2023 – October 2023

Volunteer, Food Service
Durham Rescue Mission Homeless Shelter
Durham, NC
March 9, 2023

Walk-in Hypertension and Diabetes Checks
Student Health Action Coalition (SHAC) Outreach Clinic
November 2022

Assistant Coach, Chatham County NC,
15-18 year-old Boys Recreational Basketball League
December 2019 – March 2020

Assistant Coach, Chatham County NC,
13-14 year-old Boys Recreational Basketball League
December 2018 – March 2019

Assistant Coach, Chatham County NC,
11-12 year-old Boys Recreational Basketball League
December 2015 – March 2017

References

Available upon request