

CURRICULUM VITAE

Nathan Thompson MD

**Associate Professor
Department of Pediatrics
Division of Critical Care**

OFFICE ADDRESS:

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EDUCATION:

08/1997 - 06/2003 PharmD, Doctorate of Pharmacy, Butler University, Indianapolis, IN
08/2004 - 05/2008 MD, Indiana University, Indianapolis, IN
08/2011 - 05/2014 MS, Clinical & Translational Science, Medical College of Wisconsin, Milwaukee, WI

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/2008 - 06/2010 Resident, Pediatrics, Medical College of Wisconsin, Milwaukee, WI
07/2010 - 06/2013 Fellowship, Pediatrics, Critical Care, Medical College of Wisconsin, Milwaukee, WI
02/2015 Postgraduate Course in Clinical Pharmacology, Drug Development and Regulation, Tufts Center for the Study of Drug Development, Tufts University School of Medicine, Boston, MA
02/2015 Postgraduate Course in Clinical Pharmacology, Drug Development, and Regulation., Tufts Center for the Study of Drug Development, Tufts University School of Medicine
03/2015 Grant Writing Retreat, Pediatrics, Critical Care, Medical College of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
03/2015 Grant Writing Retreat, Pediatrics, Medical College of Wisconsin, Sheboygan, WI
04/2016 Pediatric Critical Care Focused Bedside Ultrasound Course, Medical College of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
07/2016 Workshop in Basic Pharmacokinetics, Arosa, Switzerland
10/2016 Leadership Strategies for Evolving Health Care Executives, Center for Executive and Continuing Professional Education, Harvard T.H. Chan School of Public Health
10/2019 - 04/2020 Children's Wisconsin Leadership Academy ?16 month curriculum of didactic sessions and executive coaching, Children's Hospital of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226

FACULTY APPOINTMENTS:

07/2010 - 06/2013 Clinical Instructor, Pediatrics, Critical Care, Medical College of Wisconsin, Milwaukee, WI
07/2013 - Present Assistant Professor, Pediatrics, Critical Care, Medical College of Wisconsin, Milwaukee, WI

EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:

11/01/2014 - 07/2018 Director of Fellowship Research, Pediatrics, Critical Care, Medical College of Wisconsin, Milwaukee, WI
12/2014 - 07/2018 Coordinator, Pediatric Critical Care Research Lecture Series, Pediatrics, Critical Care, Medical College of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
01/2015 - 07/2018 Coordinator, Pediatric Critical Care CME Core lecture Series, Pediatrics, Critical Care, Medical College of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
07/2017 - Present Coordinator, Pediatric CICU Bedside Rounds lecture Series, Pediatrics, Critical Care,

Medical College of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
07/2018 - 07/2019 Associate Program Director Pediatric Critical Care Medicine Fellowship, Pediatrics,
Critical Care, Medical College of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226

HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:

07/01/2011 - Present Member, Pharmaceuticals & Therapeutics Committee, Children's Hospital of Wisconsin, Milwaukee, WI
04/01/2014 - Present Member, Dexmedetomidine Usage Group, Children's Hospital of Wisconsin, Milwaukee, WI
09/01/2014 - Present Member, Very Infectious Patient(VIP) care team, Children's Hospital of Wisconsin, Milwaukee, WI
01/01/2015 - Present Member, Institutional Review Board #2, Children's Hospital of Wisconsin, Milwaukee, WI
04/01/2015 - 06/30/2015 Member, Patient Flow Explorer Development Team, Children's Hospital of Wisconsin, Milwaukee, WI
04/2017 - Present Treasurer, Children's of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
04/2017 - Present Medical Executive Committee, Children's of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
04/2018 - Present Enterprise Performance Management Investigation Team: Septicemia Care Process, Children's of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226

HOSPITAL STAFF PRIVILEGES:

07/01/2010 - Present Attending Physician, Children's Hospital of Wisconsin, Milwaukee, WI
03/01/2015 - Present Attending Physician, Ministry Saint Joseph's Hospital, Marshfield, WI

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
Pediatrics	10/2012	12/2028
ABP - Critical Care	11/2014	12/2028

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
ATLS	ACS	07/2014	07/2025
PFCCS	SCCM	07/2015	None
PFCCS	SCCM	07/2015	None
PALS	AAP/AHA	10/2019	10/2025
PALS Instructor	AAP/AHA	10/2019	10/2025
BLS	AHA	10/2019	10/2025
ACLS	AHA	10/2019	10/2025
BLS Instructor	AHA	10/2019	10/2025

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Wisconsin License	54023-20	10/31/2011	10/31/2025

AWARDS AND HONORS:

01/2006 Student Summer Research Scholarship
06/2009 Crimson Feather Award - Finest Fledgling
06/2010 Crimson Feather Award - Majestic Falcon
2012 - 2013 MCW Outstanding Medical Student Teaching
2013 - 2014 MCW Outstanding Medical Student Teaching
2014 - 2015 Outstanding Medical Student Teaching Award, Medical College of Wisconsin
2015 - 2024 Voted Best Doctors in America
2015 - 2019 Best Doctors in Milwaukee, Pediatric Critical Care, Named by M Magazine
2016 - 2017 Outstanding Medical Student Teaching Award, Medical College of Wisconsin

2018 - 2019 Outstanding Medical Student Teaching Award, Medical College of Wisconsin
 10/12/2019 Voted “Best Oral Abstract” for presentation of “Early Mobility in Young Children Supported with Paracorporeal Total Artificial Hearts”, 8th annual Johns Hopkins ICU Rehab conference. Baltimore, MD.
 2022 - 2023 Best Doctors in Milwaukee, Pediatric Critical Care, M Magazine
 2024 Top Doctors List, Milwaukee Magazine

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

04/2008 - Present Alpha Omega Alpha Medical Honor Society (Member)
 07/2010 - Present Society of Critical Care Medicine (SCCM) (Member)
 03/2014 - Present Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) (Member)
 09/2015 - Present American Academy of Pediatrics (FAAP) (Fellow)
 05/2016 - Present Pediatric Cardiac Intensive Care Society (PCICS) (Member)
 06/2018 - Present Improving Pediatric Sepsis Outcomes (IPSO) Collaborative (Member)

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Editorship
 03/2009 - 01/2010 Resident Reviewer, AAP Prep Audio
 Ad-Hoc Reviewer
 08/2018 - 2021 Abstract Reviewer, Pharmacology section – 48th Critical Care Congress. Society of Critical Care Medicine (SCCM).
 2022 - Present Translational Pediatrics
 2023 - Present Pediatric Cardiology

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

12/2014 - 03/2015 Member, Internal Advisory Committee for School of Pharmacy Feasibility, Medical College of Wisconsin
 01/2019 - 05/2019 Member, Member, Planning Committee for the Wisconsin Pediatric Critical Care Regional Meeting, PICU Liberation
 11/2019 - 05/2020 Member, Pharmacology and Toxicology Chair Search Committee, Medical College of WI
 06/2021 - 05/2022 Chair Appointed Member, Pediatric Nephrology Chief Search Committee
 06/2023 - Present Associate Medical Director, Mission Control

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title:	Pharmacokinetics, Pharmacodynamics, and Safety Profile of Understudied Drugs Administered to Children per Standard of Care (POPS 02)
Source:	The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) – NICHD-2019-POP02
Role:	Local Primary Investigator
PI:	Chi Hornik, MD
Dates:	12/2020 - Present
Title:	Collaborative Pediatric Critical Care Research Network (CPCCRN)
Source:	National Institute of Child Health and Human Development (NICHD)
Role:	Auxiliary Site PI, national steering committee member
PI:	Michael Dean, MD
Dates:	04/2021 - Present

Direct Funds:	\$16,000,000
Title:	Pragmatic Pediatric Trial of Balanced Versus Normal Saline Fluid in Sepsis (PRoMPT BOLUS)
Source:	Pediatric Emergency Care Applied Research Network (PECARN)
Role:	Local Co-Investigator
PI:	Scott Weiss MD
Dates:	04/2021 - Present
Title:	PediatRic sEpsiS induCed MODS: Relationship of Immunophenotypes and antiBiotic Exposure (PRESCRIBE)
Source:	National Institute of Child Health and Human Development (NICHD)
Role:	Local Site PI
PI:	Kevin Downes, MD – CHOP
Dates:	09/2023 - Present
Direct Funds:	\$7,000 (Per patient enrollment fee – up to \$7000/patient)

Non-Peer Review

Title:	A Prospective, Open-Label Study to Assess the Pharmacokinetics, Safety and Efficacy of Anidulafungin When Used to Treat Children with Invasive Candidiasis, Including Candidemia
Source:	Pfizer, Inc
Role:	Local Co-Investigator
PI:	Rainer Gedeit, MD
Dates:	01/2014 - 05/2018
Direct Funds:	\$5 (per patient enrollment fee)
Title:	CE01-120: A Phase I, Open-label, Multi-center Study to determine the Pharmacokinetics and Safety of Solithromycin as Add-on Therapy in Adolescents and Children with Suspected or Confirmed Bacterial Infection
Source:	Cempra, Inc. and Duke Clinical Research Institute
Role:	Local Primary Investigator
PI:	Mickey Cohen-Wolkowicz, MD
Dates:	05/2015 - 01/2017
Direct Funds:	\$1 (per patient enrollment fee)
Title:	Multi-Center Studies to Improve the Diagnosis and Treatment of Invasive Candidiasis (PEACE)
Source:	NIH, National Institute of Allergy and Infectious Diseases
Role:	Local Co-Investigator, representing the PICU
PI:	Anna Huppler, MD
Dates:	08/2016 - 02/2020

Title:	Multicenter, open-label, study to evaluate safety, tolerability, pharmacokinetics and, pharmacodynamics of LCZ696 followed by a 52-week randomized, double-blind, parallel group, active-controlled study to evaluate the efficacy and safety of LCZ696 compared with enalapril in pediatric patients from 1 month to < 18 years of age with heart failure due to systemic left ventricle systolic dysfunction
Source:	Novartis
Role:	Local Co-Investigator
PI:	Steve Kindel, MD
Dates:	02/2018 - 05/2021

Prior

Peer Review

Title:	Catechol-O-Methyltransferase (COMT) Enzyme Polymorphisms as a Predictor of Outcomes for Children with Septic Shock
Source:	Medical College of Wisconsin, Department of Pediatrics Internal Funding Program
Role:	PI
Dates:	07/2016 - 06/2019
Direct Funds:	\$19,480

Title:	Fungal Biomarkers for Diagnosis and Response to Therapy for Pediatric Candidemia (BIOPIC)
Source:	National Institute of Child Health and Human Development (NICHD)
Role:	Local Co-Investigator, representing the PICU
PI:	Anna Huppler, MD
Dates:	10/2016 - 05/2020

Non-Peer Review

Title:	SynCardia 50cc Temporary Total Artificial Heart (TAH-t) for Bridge to Transplant (BTT)
Source:	SynCardia Systems, Inc.
Role:	Site Co-Investigator
PI:	Ronald Woods, MD/PhD
Dates:	09/2015 - 02/2020

Title:	Pharmacokinetics of Understudied Drugs Administered to children Per Standard of Care (POPS 01)
Source:	The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

Role:	Local Co-Investigator
PI:	Chiara Melloni, MD and Elizabeth Drolet, MD (local PI)
Dates:	12/2015 - 03/2022
Direct Funds:	\$1 (per patient enrollment fee)
 Title:	 Protocol 547-SSE-301: A Randomized, Double-Blind, Placebo-Controlled Study to evaluate the Efficacy and Safety of SAGE-547 Injection in the Treatment of Subjects with Super-Refractory Status Epilepticus.
Source:	SAGE Therapeutics
Role:	Local Co-Investigator, representing the PICU
PI:	Christopher Inglese, MD
Dates:	03/2016 - 09/2017

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Local

Thompson N, Vignettes of Pediatric Care: Solve this Case, Al's Run Conference, Milwaukee, WI, 09/15/2011

Thompson, NE, Vignettes of Pediatric Care: Solve this Case., Al's Run Conference, Milwaukee, WI, 09/15/2011

Thompson, N., Critical Care, "Ace the Boards" Board Review course, Medical College of Wisconsin/Dept. of Pediatrics, Milwaukee, WI, 09/21/2013

Thompson N, Scanlon M, Wakeham M, Mortality of Children Undergoing Early or Late Tracheostomy versus Prolonged Mechanical Ventilation, Medical College of Wisconsin Research Day, Milwaukee, WI, 09/10/2014

Thompson, N., Critical Care, Ace the Boards, Medical College of Wisconsin/Dept. of Pediatrics Board Review Course, Milwaukee, WI, 09/12/2014

Thompson, N., Critical Care, Ace the Boards, Medical College of Wisconsin/Dept. of Pediatrics Board Review course, Milwaukee, WI, 08/23/2015

Thompson, N, "Evidence-Based Medicine: A Practical Approach for Clinicians", Pediatric Joint Fellowship Conference, Medical College of Wisconsin, Milwaukee, WI, 11/08/2016

Thompson, N, "Evidence-Based Medicine: A Practical Approach for Clinicians", Pediatric Joint Fellowship Conference, Medical College of Wisconsin, Milwaukee, WI, 12/12/2017

Thompson, N, "Evidence-Based Medicine: A Practical Approach for Clinicians", Pediatric Joint Fellowship Conference, Medical College of Wisconsin, Milwaukee, WI, 12/11/2018

Thompson N, McFadden V, Redfern W, "Improving Sepsis Care", Medical Staff Quality Forum, Children's Hospital of Wisconsin, Milwaukee, WI, 09/24/2019

Thompson N, McFadden V, Redfern W., Improving Sepsis Care, Medical Staff Quality Forum, Milwaukee, WI, 09/24/2019

Thompson N, Mikhailov T, Lagatta J, Cohen S, Abstract Writing Workshop for 2nd Year Fellows, Pediatric Joint Fellowship Conference, Milwaukee, Wisconsin, 07/23/2020

Thompson N, Mikhailov T, James J, Muriello M, Sabbagh S, Lagatta J, Manuscript Writing Workshop for 3rd Year Fellows, Pediatric Joint Fellowship Conference, Milwaukee, WI, 09/10/2020

Thompson N, Mikhailov T, Gedeit R, Elkadri A, Gundacker C, Abstract Writing Workshop for 2nd Year Fellows, Pediatric Joint Fellowship Conference, Milwaukee, WI, 07/15/2021

Thompson N, Mikhailov T, McFadden V, Havens P, Elkadri A, Sabbagh S, Manuscript Writing Workshop for 3rd Year Fellows, Pediatric Joint Fellowship Conference, Milwaukee, WI, 09/16/2021

Thompson N, Mikhailov T, Gedeit, R, Elkadri A, Welak S, Spearman A, Abstract Writing Workshop for 2nd Year Fellows, Pediatric Joint Fellowship Conference, Milwaukee, WI, 09/15/2022

Thompson N, Elkadri A, Mikhailov T, Lu H, Rarick K, LaDisa J., Manuscript Writing & Editing Workshop for 3rd Year Fellows, Pediatric Joint Fellowship Conference, Medical College of Wisconsin, Milwaukee, WI, 11/10/2022

Regional

- Thompson N, Murkowski K, Grantham J, Scanlon M, The impact of medication shortages on hospitalized pediatric patients, Best Practices in Pediatrics Winter 2013 CME Conference. Children's Specialty Group of the Children's Hospital of Wisconsin, Wisconsin Dells, WI, 03/08/2013 - 03/09/2013
- Thompson, N., Pediatric Respiratory Distress, Regional Pediatric Emergency Training and Simulation for EMS, Emergency Medical Services for Children – Wisconsin/Children's Health Alliance of Wisconsin, Milwaukee, WI, 10/23/2015
- Bhosrekar K*, Thompson N, Scanlon M, D'Andrea L, Characteristics of Sleep and Sleep Disorders in Children with Congenital Heart Disease, Best Practices in Pediatrics Winter 2016 CME Conference. Children's Specialty Group of the Children's Hospital of Wisconsin, Wisconsin Dells, WI, 03/11/2016 - 03/12/2016
- Thompson, N, "Critical Care", Ace the Boards,, Medical College of Wisconsin/Department of Pediatrics Regional Board Review Course, Milwaukee, WI, 09/10/2016
- Ghavam A*, Thompson N, Lee KJ, The Changing Landscape of Pediatric Organ Donors, Oral presentation at 4th Annual Solid Organ Transplantation Research Symposium, Milwaukee, WI, 10/05/2016 - 10/06/2016
- Bashir A*, Henningfeld J, Thompson N, D'Andrea L, Use of Polysomnography in Liberating Children from Respiratory Technology, Best Practices in Pediatrics Winter 2017 CME Conference. Children's Specialty Group of the Children's Hospital of Wisconsin, Wisconsin Dells, WI, 03/10/2017
- Thompson, N, Inter-Hospital ECMO Transport, Invited lecture at the Wisconsin Perfusion Society 26th Annual Spring Educational Meeting, Madison, WI, 03/23/2019
- Thompson, N, Pain Management and Sedation Practices in the Pediatric Intensive Care Unit, Invited lecture at the 2019 Wisconsin Pediatric Critical Care Regional Meeting, Milwaukee, WI, 05/22/2019
- Thompson, N., Identification of Sepsis in Adults & Children., 2021 Wisconsin Chapter of the Association of Clinical Documentation Integrity Specialists annual meeting, Milwaukee, WI, 10/09/2021

National

- Plymale JP, Frommelt PC, Nugent M, Thompson N, Simpson P, Hoffmann R, Shillingford AJ, Aortic and mitral annular hypoplasia predicts the need for additional cardiac interventions in infants after aortic arch repair., American Academy of Pediatrics (AAP) National Conference & Exhibition, New Orleans, LA, 10/2012
- Thompson N, Boey V, Scanlon M., The economic impact of drug acquisition during periods of reported medication shortage., Mid-year meeting of the American Society of Health-system Pharmacists (ASHP), Las Vegas, NV, 12/04/2012
- Thompson N, Wakeham M, Pan C, Scanlon M, Outcome of Children Requiring Initiation of Continuous Renal Replacement Therapy in Pediatric Intensive Care Units., Pediatric Academic Society (PAS), Vancouver, Canada, 05/03/2014 - 05/07/2014
- Wakeham M, Thompson N, Scanlon M, Pediatric Intensive Care Unit Characteristics Associated with Tracheostomy Practice in Patients Requiring Prolonged Mechanical Ventilation., Pediatric Academic Society (PAS), Vancouver, Canada, 05/03/2014 - 05/07/2014
- Fahy A*, Thompson N, Scanlon M, Medication Doses of Adult Sized Patients in the Pediatric Critical Care Unit: A Pilot Quality Improvement Study., Institute for Healthcare Improvement (IHI) 26th Annual National Forum on Quality Improvement in Health Care, Orlando, FL, 12/2014
- Thompson N, Kuhn E, Scanlon M, Wakeham M, Mortality of Children Undergoing Early or Late Tracheostomy versus Prolonged Mechanical Ventilation (without Tracheostomy)., Society of Critical Care Medicine (SCCM) 44th Congress, Phoenix, AZ, 01/18/2015 - 01/21/2015
- Zembla T, Thompson N, Havens P, Need for a Pharmacist-Managed Voriconazole Clinical Practice Guideline to Standardize Dosing and Therapeutic Drug Monitoring at a Pediatric Hospital., Making a Difference in Infectious Disease (MAD-ID) 18th Annual Meeting, Orlando, FL, 05/07/2015 - 05/09/2015
- Bhosrekar K*, Thompson N, Scanlon M, D'Andrea L, Characteristics of sleep and sleep disorders in children with cyanotic congenital heart disease., Society of Critical Care Medicine (SCCM) 45th Congress, Orlando, FL, 02/20/2016 - 02/24/2016
- Ghavam A*, Lee KJ, Thompson N, Descriptive Comparison of Pediatric Brain-Dead Donors Versus Donation after Circulatory Death Donors, Society of Critical Care Medicine (SCCM) 46th Congress, Honolulu, HI, 01/21/2017 - 01/25/2017
- Haasken S*, Scanlon M, Thompson N, Long-Stay Patients without Chronic Complex Conditions: Who are

- They and What are Their Outcomes?, Society of Critical Care Medicine (SCCM) 46th Congress, Honolulu, HI, 01/21/2017 - 01/25/2017
- Roberts JM, Varner CS, Wellner HL, Berens D, Thompson N, Multiple Run ECMO for Patient with Pre B-Cell Acute Lymphoblastic Leukemia, 33rd Annual Children's National Symposium: ECMO and the Advanced Therapies for Respiratory Failure, Keystone, CO, 02/26/2017 - 03/03/2017
- Ghavam A*, Ghanayem N, Woods R, Kindel S, Thompson N, Incidence and Risk Factors for Failed Recovery of Pediatric Donor Hearts, The International Society for Heart & Lung Transplantation (ISHLT) 37th Annual Meeting and Scientific Sessions, San Diego, CA, 04/05/2017 - 04/08/2017
- Bashir A*, Henningfeld J, Thompson N, D'Andrea L, Polysomnography Provides Useful Clinical Information in the Liberation from Respiratory Technology, American Thoracic Society International Conference, Washington, D.C., 05/19/2017 - 05/24/2017
- Hoffman G, Scott J, Bigelow A, Thompson N, Niebler R, Effect of Bilirubin on Regional Oxygen Saturation Measures by Two NIRS Devices, Anesthesiology annual meeting, Boston, MA, 10/21/2017 - 10/25/2017
- Bigelow A*, Ghanayem N, Thompson N, Scott J, Cassidy L, Woods K, Hoffman G., Arginine Vasopressin Concentration and Chest Tube Output Post Fontan Procedure, Oral presentation at CHOP Cardiology Conference, Scottsdale, AZ, 02/21/2018
- Christian C*, Thompson N, Wakeham M, Trends & Outcomes of Nasotracheal Intubation among patients requiring Mechanical Ventilation in US PICUs, Oral presentation at the 25th Pediatric Critical Care Colloquium (PCCC) Awarded prize for Top 6 abstracts, Baltimore, MD, 10/05/2018 - 10/07/2018
- Kopp W*, Thompson N, Gedeit R, Outcome of Children with Acute Respiratory Failure who Receive Non-Invasive Ventilation, Poster presentation at the 25th Pediatric Critical Care Colloquium (PCCC), Baltimore, MD, 10/05/2018 - 10/07/2018
- Kopp W*, Thompson N, Gedeit R, Outcome of Children with Acute Respiratory Failure who Receive Non-Invasive Ventilation, Poster presentation at the 25th Pediatric Critical Care Colloquium (PCCC), Baltimore, MD, 10/05/2018 - 10/07/2018
- Friedman S*, Kovach J, Thompson N, Methadone Safety Related to Cardiac Conduction in the PICU, Poster presentation at the 14th Pediatric Cardiac Intensive Care Society (PCICS) Annual International Meeting, Miami, FL, 12/13/2018 - 12/16/2018
- Flynn E*, Thompson N, Yan K, Bertrandt R, Impact of Early Extubation in Patients Undergoing Fontan Completion, Poster presentation at the 14th Pediatric Cardiac Intensive Care Society (PCICS) Annual International Meeting, Miami, FL, 12/13/2018 - 12/16/2018
- Bigelow A, Ghanayem N, Thompson N, Scott J, Cassidy L, Woods K, Woods R, Mitchell M, Hraska V, Hoffman G, Safety and Efficacy of Arginine Vasopressin after Completion Fontan: A Randomized Pilot Study, Poster presentation at the 55th annual meeting of the Society of Thoracic Surgeons (STS), San Diego, CA, 01/27/2019 - 01/29/2019
- Thompson N, Hyland H, Early Mobility in Young Children Supported with Paracorporeal Total Artificial Hearts, Oral presentation at the 8th annual Johns Hopkins ICU Rehab conference, Baltimore, MD, 10/12/2019
- Wakeham M, Thompson N, Is Early Extubation after Neonatal Congenital Heart Disease Surgery Associated with Better Outcomes?, Poster presentation at Joint Paediatric Critical Care International Meeting, London, UK, 11/20/2019 - 11/22/2019
- Wakeham M, Thompson N, Early Extubation of Young Children after Congenital Heart Disease Surgery is Associated with a Shorter PICU Length of Stay., Poster presentation at Joint Paediatric Critical Care International Meeting, London, UK, 11/20/2019 - 11/22/2019
- Hoffman GM, Niebler RA, Bertrandt RA, Wakeham MK, Kim FY, Bergstrom CP, Thompson NE, Scott JP, Bivariate hemodynamic assessment with NIRS following the Norwood procedure drives rational vasoactive drug management, Poster presentation at Joint Paediatric Critical Care International Meeting, London, UK, 11/20/2019 - 11/22/2019
- McFadden V, Redfern W, Thielke R, Grosel M, Thompson N, Making Data Manageable: Harnessing Data Power for Good, Improving Pediatric Sepsis Outcomes (IPSO) semi-annual meeting, Dallas, TX, 12/11/2019
- Hoffman GM, Niebler RA, Scott JP, Bertrandt RA, Ghanayem NS, Thompson NE, Wakeham MK, Stuth EA, Woods RK, Mitchell ME, Hraska V, Mussato KA, Tweddell JS, Interventions Associated with Successful Treatment of Low Cardiac Output following Stage 1 Norwood Palliation, Oral presentation at the 56th annual meeting of the Society of Thoracic Surgeons (STS), New Orleans, LA, 01/28/2020
- Thompson NE & Broeckel U, Catechol-O-Methyltransferase (COMT) Enzyme Polymorphisms Impact on the

- Treatment of Children with Septic Shock, Poster presentation at the Pediatric Academic Society (PAS) Meeting, Philadelphia, PA, 05/03/2020
28. Shah P*, Petersen T, Yan K, Zhang L, Thompson NE., Vasoactive-Inotrope Scores in Pediatric Sepsis, Improving Pediatric Sepsis Outcomes (IPSO) semi-annual meeting, Virtual teleconference, 06/2020
 29. Castanada L*, Hanson S, Thompson NE, Rajapreyar P, Influence of Fluid Balance on Morbidity and Mortality of Pediatric Patients Treated with Extracorporeal Membrane Oxygenation., 10th Congress of the World Federation of Pediatric Intensive & Critical Care Societies (WFIPCCS), Virtual world conference, 12/01/2020 - 12/04/2020
 30. Hoffman GM, Niebler RA, Scott JP, Bertrandt RA, Thompson NE, Wakeham MK, Stuth EA, Woods RK, Mitchell ME, Hraska V, Trajectory of Cardiac Power Indices following the Norwood Procedure, 16th Pediatric Cardiac Intensive Care Society (PCICS) Annual International Meeting, Virtual Meeting, 12/09/2020 - 12/11/2020
 31. Shah P*, Petersen T, Yan K, Zhang L, Thompson NE, Vasoactive Inotrope Scores in Pediatric Sepsis, 50th Society of Critical Care Medicine (SCCM) Annual International Meeting, Virtual Meeting, 01/31/2021 - 02/12/2021
 32. Handler S, Frommelt P, Bertrandt RA, Niebler R, Thompson NE, Scott J, Wakeham MK, Szadkowski A, Kim FY, Hoffman G., Distribution of Cardiac Power Indices following the Norwood Procedure, 70th Annual Scientific Session of the American College of Cardiology (ACC), Atlanta, GA, 05/15/2021 - 05/17/2021
 33. Wehrenberg K*, Mitchell M, Zembles T, Yan K, Zhang L, Thompson NE, Multi-drug resistant organism acquisition after treatment of culture negative sepsis in children, 51st Society of Critical Care Medicine (SCCM) Annual International Meeting, Virtual meeting, 04/18/2022 - 04/21/2022
- Thompson N, Colleti J., Research Snapshot Theater – Pediatric Sepsis II., Critical Care Congress. Annual International Meeting of the Society of Critical Care Medicine (SCCM)., 01/22/2024
- Thompson N., Research Snapshot Theater – Adult and Pediatric Pharmacology/Research, Critical Care Congress. Annual International Meeting of the Society of Critical Care Medicine (SCCM)., 01/23/2024

COMMITTEE SERVICE:

Medical College of Wisconsin

- 06/2013 - 07/2013 Member, Internal Review Committee for the Surgical Critical Care Fellowship, Pediatrics, Critical Care, Medical College of WI
- 09/2014 - 06/2019 Member, Pediatric Critical Care Fellowship Evaluation and Performance Review Committee, Pediatrics, Critical Care, Medical College of Wisconsin
- 03/01/2017 - Present Member, Research Operations Team, Pediatrics, Critical Care, Medical College of WI

Hospital

- 07/2008 - 06/2010 Resident Member, Advisory Committee, Downtown Health Center (DHC), Children's of WI
- 07/2011 - Present Member, 2018 Appointed Chair, Pharmaceuticals & Therapeutics Committee, Pharmaceuticals & Therapeutics Committee, Children's of WI
- 04/2014 - 07/2016 Member, Dexmedetomidine Usage Group, Pediatrics, Critical Care, Children's of WI
- 09/2014 - 06/2015 Member, Very Infectious Patient (VIP) care team, Pediatrics, Children's of WI
- 01/2015 - 12/2023 Co-Chair, Institutional Review Board, Pediatrics, Children's of WI
- 04/2015 - 06/2015 Member, Patient Flow Explorer Development Team, Pediatrics, Children's of WI
- 02/2016 - Present Physician Member, Medication Safety Committee, Pediatrics, Children's of WI
- 06/2017 - Present Member, Clinical Decision Support Committee, Pediatrics, Children's of WI
- 04/2018 - Present Member, EHR Decision Team, Pediatrics, Children's of WI
- 06/2018 - 02/2023 Member, Process for Novel Therapy and Niche, Pediatrics, Children's of WI
- 06/2018 - Present Co-physician lead, Septicemia Care Improvement team, Pediatrics, Children's of Wisconsin
- 07/2021 - 04/2022 Member, Children's Specialty Group (CSG) Affiliation Transition: Payer Contracting Governance Committee
- 02/2023 - Present Co-Chair, Process for Novel Therapy and Niche Medications
- 05/2023 - Present Member, CSG Academic Committee on Research

MEDICAL COLLEGE TEACHING ACTIVITIES:

Medical Student Education

- 10/2010 Lecture – Drug Excretion and Metabolism. Pharmacology Foundations Course
- 10/2010 Lecture – Drug Administration, Absorption, and Distribution. Pharmacology Foundations Course
- 08/2012 - Present Physician Scientist Pathway Small Group Facilitator • Moderate discussions for 12 M2/M3 students • 6 hour long sessions per academic year
- 05/2014 Lecture – Analgesia and Sedation • Presented to the M1 class as part of the Bench to Bedside – BASICS curriculum
- 08/2014 - Present Reviewer of History and Physicals • Review and give written feedback on 4 H&Ps of 2 M3 students every other month on their inpatient pediatric rotation
- 08/2014 Small group discussion Facilitator – Sickle Cell Disease • Part of the Molecules to Cells Case based Discussion Curriculum for the M1 class
- 10/2014 Workshop Moderator – Cardiovascular Exam #3 • Demonstrated a basic cardiovascular focused physical exam to 16 M1 students • Part of the Bench to Bedside Cardiovascular Exam Workshop Series
- 10/2014 Workshop Moderator – Cardiovascular Exam #1 • Demonstrated a basic cardiovascular focused physical exam to 16 M1 students • Part of the Bench to Bedside Cardiovascular Exam Workshop Series
- 10/2014 Small group discussion Facilitator – Salicylate Poisoning • Part of the Molecules to Cells Case based Discussion Curriculum for the M1 class
- 02/2015 Lecture -Pharmacokinetics/Pharmacodynamics • Presented to the M1 class as part of the Bench to Bedside – BASICS course
- 02/2015 Workshop Moderator – The Sensory Exam • Demonstrated the sensory portion of a neurologic physical exam to a group of M1 students • Part of the Bench to Bedside Clinical Skills Workshop
- 04/2015 Workshop Moderator – Coordination & Cerebellar Function • Demonstrated the cerebellar portion of a neurologic physical exam to a group of M1 students • Part of the Bench to Bedside Clinical Skills Workshop
- 08/26/2015 Workshop Moderator – Clinical Reasoning - GI • Facilitated exercise on the basic approach to clinical decision making for 16 M1 students • Part of the Bench to Bedside course
- 09/11/2015 Small group discussion Facilitator – Chemotherapy • Part of the Molecules to Cells Case based Discussion Curriculum for the M1 class
- 10/28/2015 Workshop Moderator – Clinical Reasoning CV • Facilitated exercise on the basic approach to clinical decision making for 16 M1 students • Part of the Bench to Bedside course
- 10/29/2015 Small group discussion Facilitator – Salicylate Poisoning • Part of the Molecules to Cells Case based Discussion Curriculum for the M1 class
- 10/2015 Workshop Moderator – Cardiovascular Exam #3 • Demonstrated a basic cardiovascular focused physical exam to 16 M1 students • Part of the Bench to Bedside Cardiovascular Exam Workshop Series
- 10/2015 Workshop Moderator – Cardiovascular Exam #1 • Demonstrated a basic cardiovascular focused physical exam to 16 M1 students • Part of the Bench to Bedside Cardiovascular Exam Workshop Series
- 2015 - 2018 Yearly Workshop Moderator – Clinical Reasoning Neuro • Facilitated exercise on the basic approach to clinical decision making for 16 M1 students • Part of the Bench to Bedside course
- 08/31/2016 Workshop Moderator – Clinical Reasoning - GI • Facilitated exercise on the basic approach to clinical decision making for 16 M1 students • Part of the Bench to Bedside course
- 09/21/2016 Workshop Moderator – Cardiovascular Exam #2 • Demonstrated the assessment of murmurs and gallops on physical exam to 16 M1 students • Part of the Bench to Bedside course
- 10/2016 Workshop Moderator – Cardiovascular Exam #3 • Demonstrated a basic cardiovascular focused physical exam to 16 M1 students • Part of the Bench to Bedside Cardiovascular Exam Workshop Series
- 10/2016 Small group discussion Facilitator – Sickle Cell Disease • Part of the Molecules to Cells Case based Discussion Curriculum for the M1 class
- 11/09/2016 Workshop Moderator – Pulmonary Exam #2 • Demonstrated the assessment of the pulmonary system on physical exam to 16 M1 students • Part of the Bench to Bedside course
- 01/24/2017 Workshop Moderator – Ethics; Impaired Physician • Moderated small group discussion for 16

M2 students •Part of the Foundational Capstone course

01/31/2017 Workshop Moderator – Ethics; Impaired Physician •Moderated small group discussion for 16 M2 students •Part of the Foundational Capstone course

02/22/2017 Team-Based Learning: Pharmacokinetic Principles •Moderated 2 hour workshop for all M1 students teleconferenced to all 3 campuses

03/01/2017 Workshop Moderator – ENT Exam #2 •Demonstrated the assessment of the nose and throat on physical exam to 16 M1 students •Part of the Bench to Bedside course

03/21/2017 Workshop Moderator – Head to Toe Exam •Observed complete history and physical exam performed on a simulated patient for 2 M2 students •Part of the Foundational Capstone course

08/18/2017 Small group discussion Facilitator – Sickle Cell Disease •Part of the Molecules to Cells Case based Discussion Curriculum for the M1 class

09/08/2017 Small group discussion Facilitator – Chemotherapy •Part of the Molecules to Cells Case based Discussion Curriculum for the M1 class

09/13/2017 Workshop Moderator – Musculoskeletal exam – Upper body •Demonstrated the assessment of the upper musculoskeletal system on physical exam for 16 M1 students •Part of the Bench to Bedside course

09/20/2017 Workshop Moderator – Musculoskeletal exam – Lower body •Demonstrated the assessment of the lower musculoskeletal system on physical exam for 16 M1 students •Part of the Bench to Bedside course

11/29/2017 Workshop Moderator – Clinical Reasoning Exercise: Pre/Post Test Probability • Facilitated exercise on the basic approach to clinical decision making for 16 M1 students • Part of the Bench to Bedside course

01/09/2018 Workshop Moderator – Ethics; Informed Consent • Moderated small group discussion for 16 M2 students • Part of the Foundational Capstone course

01/23/2018 Workshop Moderator – Ethics; Informed Consent • Moderated small group discussion for 16 M2 students • Part of the Foundational Capstone course

02/28/2018 Team-Based Learning: Pharmacokinetic Principles •Moderated 2 hour workshop for all M1 students teleconferenced to all 3 campuses

10/19/2018 Small group discussion Facilitator – MCADD • Part of the Molecules to Cells Case based Discussion Curriculum for the M1 class

02/05/2019 Workshop Moderator – Ethics; Conflicts of Interest • Moderated small group discussion for 16 M2 students • Part of the Foundational Capstone course

02/12/2019 Workshop Moderator – Ethics; Conflicts of Interest • Moderated small group discussion for 16 M2 students • Part of the Foundational Capstone course

10/2019 Workshop Moderator – Cardiovascular Exam #1 •Demonstrated a basic cardiovascular focused physical exam to 16 M1 students •Part of the Bench to Bedside Cardiovascular Exam Workshop Series

01/07/2020 Workshop Moderator – Ethics; Spiritual Issues & Physician Assisted Death • Moderated small group discussion for 16 M2 students • Part of the Foundational Capstone course

01/22/2020 Workshop Moderator – Basics of Clinical Reasoning Exercise • Facilitated exercise on the basic approach to clinical decision making for 16 M1 students • Part of the Bench to Bedside course

Resident and Fellow Education

07/2010 - 06/2012 Lecture – Pediatric Brain Death • Part of Critical Care Lecture Series • 1 hr lecture (6x/yr)

06/2011 Lecture – A Case of Post-Operative Thrombocytopenia

06/2011 Preceptor - Pediatric Fellow Simulation Bootcamp

10/2011 Lecture – Pediatric Delirium

2011 - Present Preceptor – Procedural Skills Workshop • Teach Peripheral IV & Lumbar Puncture skills • 1 hr workshop (2x/yr)

01/2012 - 05/2013 Preceptor – Mock Code Simulation • Designed 2 new high-fidelity cases • 4 hr workshop presented 2x/mo (10mo/yr)

02/2012 Lecture – Pharmacokinetics for the Critical Care Physician

07/2012 Preceptor - Pediatric Fellow Simulation Bootcamp

07/2012 - 06/2013 Lecture – Mechanical Ventilation • Part of Critical Care Lecture Series • 1 hr lecture (6x/yr)

11/2014 Simulation Facilitator – Managing Unexpected Events During Procedural Sedation

11/2014 - 06/2016 Preceptor – Simulated Management of Critical Scenarios (SMOCS) • Developed 6 simulated cases for pediatric residents and acute care bedside nurses • Facilitate 1-2 SMOCS per month

11/2014 Lecture – Creating a Specific Aims Page

01/2015 Lecture – High Yield Review for Critical Care Site Exam

01/2015 Lecture – New Research Studies Involving the PICU; the POPS trial

01/2015 - Present Course Director, Scientific Writing Workshop. Pediatric Critical Care Fellowship, Medical College of Wisconsin. Developed and implemented a 6 part workshop designed to improve the writing skills of the fellows and provide insight into the process of peer reviewed publication.

05/2015 Lecture – Body Fluid Composition • Presented as part of monthly SURFBoards lecture series; a board review lecture series for pediatric residents

05/2015 Simulation Facilitator – Cardiac Arrest: Performing Quality CPR and Defibrillator Use

07/2015 - 06/2019 Preceptor - Mock Code Simulation • Facilitate a 3hr mock code simulation event once a month that incorporates 3 separate scenarios and related procedure practice • Involves 5-8 pediatric residents per month

08/10/2015 Lecture – What is a Grant?

09/08/2015 Lecture – Evidence-Based Medicine: A practical approach for clinicians • Presented as part of the Department of Pediatrics Joint Fellowship Curriculum series required for all pediatric subspecialty fellows

09/22/2015 Bedside Teaching Rounds – Management of Difficult Airways

01/2016 - 11/2016 Lecture – High Yield Review for Critical Care Site Exam

02/09/2016 Simulation Facilitator – Informed Consent for Research & Clinical Procedures

08/02/2016 Lecture – Non-Invasive Hemodynamic Monitoring Using Near Infrared Spectroscopy (NIRS) • Presented at Emergency Medicine Fellow conference

10/04/2016 Lecture - Double Outlet Right Ventricle • Presented at CICU Bedside Rounds

10/18/2016 Simulation Facilitator – Rapid Atrial Pacing

12/20/2016 Lecture – Myocarditis • Presented at CICU Bedside Rounds

01/03/2017 Lecture – Cardiac Pharmacology • Presented at CICU Bedside Rounds

04/24/2017 Lecture – The IRB

05/16/2017 Simulation Facilitator – How to Run a High Fidelity Simulation

06/20/2017 Lecture – Pressure Waveform Analysis • Presented at CICU Bedside Rounds

07/18/2017 - 07/08/2017 Lecture – Non-Invasive Hemodynamic Monitoring Using Near Infrared Spectroscopy (NIRS) • Presented at Emergency Medicine Fellow conference

07/25/2017 Lecture – Active Research Studies in the PICU • Presented at Pediatric Critical Care Bedside Rounds

08/14/2017 Lecture – Working with the IRB

09/18/2017 Lecture – Basic Bio-statistics for Boards

09/19/2017 Lecture – CPR in Special Circumstances • Presented at CICU Bedside Rounds

11/27/2017 Lecture – Accessing Investigational Products

02/05/2018 Panel Discussion – Leadership in Academic Medicine

03/20/2018 Lecture – Cardiac Septal Defects • Presented at CICU Bedside Rounds

06/06/2018 Lecture – Adrenergic Pharmacology • Presented at CICU Bedside Rounds

10/23/2018 Lecture – Hemodynamics • Presented at CICU Bedside Rounds

11/09/2018 Lecture – Cardiovascular Function • Presented at PCCM Fellow Board Review

01/22/2019 Lecture – Caring for an Adult in the PICU • Presented at CICU Bedside Rounds

08/19/2019 Lecture – Working with the IRB

10/15/2019 Lecture - Double Outlet Right Ventricle • Presented at CICU Bedside Rounds

01/21/2020 Lecture – Left Ventricular NonCompaction • Presented at CICU Bedside Rounds

10/2020 Lecture – Pharmacology I – Inotropic and Systemic Vasoactive Drugs

05/2021 Lecture – Tetralogy of Fallot

05/2022 Lecture – Tetralogy of Fallot

12/2022 Lecture – Early Post-Op VAD Management

01/2023 Lecture – Pharmacology I – Inotropic and Systemic Vasoactive Drugs

09/2023 Lecture – Initiating a Career in Research

09/2023 Lecture – Pharmacology I – Inotropic and Systemic Vasoactive Drugs

Continuing Medical Education

10/2010 Presenter – Morbidity and Mortality Conference
 11/2010 Presenter – Critical Care Code Conference
 01/2011 Presenter – Morbidity and Mortality Conference
 02/2011 Presenter – Journal Club; Children with single-ventricle physiology do not benefit from higher hemoglobin levels post cavopulmonary connection: results of a prospective, randomized, controlled trial of restrictive versus liberalized red-cell transfusion strategy
 09/2011 Preceptor/Simulation Facilitator AI's Run Conference. Children's Hospital of Wisconsin Simulation Lab, Milwaukee, Wisconsin; Preceptor for 3 high fidelity simulations and 2 procedural stations for 30 participants at this regional meeting (EMS, nursing, EM physicians, and community-based pediatricians).
 02/2012 Presenter – Journal Club; The impact of mechanical ventilation time before the initiation of extracorporeal life support on survival in pediatric respiratory failure: a review of the extracorporeal life support registry
 08/2012 Presenter – Journal Club; Catheter replacement of the needle in percutaneous arteriography
 09/2012 Simulation Facilitator – 4th Annual Pediatric Critical Care Conference. TYKES: Treating Your Kids Emergency Situations. Pediatric Trauma. Children's Hospital of Wisconsin Simulation Lab, Milwaukee, Wisconsin: Preceptor for difficulty airway skills station.
 02/2014 Lecture – Pharmacokinetics/Pharmacodynamics
 08/2014 Lecture – Corticosteroids in the PICU
 03/2015 Lecture – Voriconazole Clinical Practice Guideline • Presented to Oncology/Bone Marrow Transplant Group at monthly Tumor Board meeting
 03/04/2016 Lecture – Standardizing Sedation Practices for Children on Mechanical Ventilation in the PICU • Presented at Combined Surgery/Anesthesia/ICU conference
 01/2017 - 11/2017 Lecture – Pharmacokinetics/Pharmacodynamics
 05/24/2017 Lecture – Utility of Near Infrared Spectroscopy (NIRS) in the ED Setting. • Presented at Emergency Medicine Grand Rounds
 07/06/2017 Simulation Instructor – Pediatric Fundamental Critical Care Support (PFCCS) course for new Critical Care Fellow Orientation. Preceptor for Advanced Integration Scenarios for 14 participants (5 Pediatric Hospitalists, 2 EM fellows, 5 Critical Care fellows, 1 Pediatric Surgical Fellow, and 1 Pediatric PNP)
 08/16/2017 Lecture – Environmental Injuries
 07/03/2018 Instructor – PFCCS course for new Critical Care Fellow Orientation. Preceptor for Sedation, Analgesia, and Neuromuscular Blockade lecture for 7 participants (2 EM fellows, 4 Critical Care fellows, and 1 Pediatric PNP)
 05/07/2019 Lecture – Use of Vasopressin following the Fontan Operation • Presented at HHI research lecture conference

Nursing Student Education

09/2011 Lecture – Renal Anatomy, Physiology, and Renal Replacement Therapies
 09/2012 Lecture – Renal Anatomy, Physiology, and Renal Replacement Therapies
 01/2014 Lecture – Intubated Children with Asthma
 04/2014 Lecture – Withdrawal and Related Syndromes
 08/2014 Lecture – Introduction to Biostatistics
 10/2014 Lecture – Management of Severe Traumatic Brain Injury in Infants, Children, and Adolescents
 10/2014 Lecture – Withdrawal and Related Syndromes
 04/2015 Lecture – Withdrawal and Related Syndromes
 07/2015 Simulation – W11/W12 RN Education day: Bag Mask Ventilation skill station
 10/2015 Lecture – Withdrawal and Related Syndromes
 04/2016 Lecture – Withdrawal and Related Syndromes
 10/2016 Lecture – Withdrawal and Related Syndromes
 03/2017 Lecture – Cardiomyopathy
 06/2018 Lecture – Cardiomyopathy
 08/2018 Lecture – Hemodynamics
 12/2018 Lecture – VV ECMO
 08/2019 Lecture – Neurology in the CICU
 01/2020 Lecture – Pharmacology & Pharmacokinetics

EXTRAMURAL TEACHING:**Medical Student Education**

03/2016 Medical College of Wisconsin, Lecture -Pharmacokinetics/Pharmacodynamics •Presented to the M1 class as part of the Bench to Bedside – BASICS course

Resident and Fellow Education

07/2013 Medical College of Wisconsin, Children's Hospital of Wisconsin Simulation Lab, High fidelity simulations to facilitate combination of task training, teamwork, and team dynamics for 12-14 participants (critical care fellows, emergency medicine fellows, pediatric nurse practitioners, pediatric surgery fellows, and pediatric anesthesia fellows).
06/2020 Lecture – Pulmonary Vein Abnormalities

Continuing Medical Education

02/2013 Medical College of Wisconsin, Lecture – Pharmacokinetics/Pharmacodynamics
02/2015 Medical College of Wisconsin, Lecture – Pharmacokinetics/Pharmacodynamics
07/02/2019 Medical College of Wisconsin, Instructor – PFCCS course for new Critical Care Fellow Orientation. Preceptor for Acute Respiratory Failure and Mechanical Ventilation lecture as well as Cardiopulmonary Dysfunction simulation scenarios for 11 participants (2 EM fellows, 5 Critical Care fellows, 2 Pediatric Hospitalists, 1 Pediatric Surgical Fellow, and 1 Pediatric PNP)

MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:**Medical Students**

Sebastian Sewera, MD, MCW, 01/2024 - Present Summer Research program advisor

Residents

Purabi Sonowal, MD, Medical College of Wisconsin, 07/2014 - 10/2015 Advisor

PROGRAMMATIC DEVELOPMENTS:**Educational Programs****Fellow**

01/2015 - 12/2015 Developed a scientific writing workshop for PCCM fellows
10/2016 Revised Critical Care Fellow Research curriculum

Clinical Programs

04/2015 Voriconazole Clinical Practice Guidelines (CPG) •Co-Developed a CPG for use with the antifungal, voriconazole
08/2018 Parenteral to Enteral Medication Conversion Protocol
12/2020 Revised Sepsis Guidelines • Led multidisciplinary team to revise hospital guidelines for the early management of sepsis, severe sepsis, and septic shock
04/2024 Developed Uniform Hospital Admission Guidelines

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- Med. 2015 Dec;43(12 Suppl 1):24.
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5. Thompson N, Meuler M, Scott JP. Use of Recombinant Factor VIIa utilization Among a Hospitalized Pediatric Population. *J Compr Ped*. 2015;6(3):e25505.
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8. Ahmed M, Thompson NE, Foerster SR, Frommelt MA, Mitchell ME, Scott JP. Ventricular Fibrillation and Myocardial Depression Following Pulmonary Valve Replacement in Tetralogy of Fallot With an Intramural Coronary Artery and Coronary Artery Compression by Chest Tube. *World J Pediatr Congenit Heart Surg*. 2020 Jul;11(4):NP77-NP79.
9. Scott JP, Hong JC, Thompson NE, Woods RK, Hoffman GM. Central ECMO for circulatory failure following pediatric liver transplantation. *Perfusion*. 2018 Nov;33(8):704-706.
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11. Bigelow AM, Ghanayem NS, Thompson NE, Scott JP, Cassidy LD, Woods KJ, Woods RK, Mitchell ME, Hra?ka V, Hoffman GM. Safety and Efficacy of Vasopressin After Fontan Completion: A Randomized Pilot Study. *Ann Thorac Surg*. 2019 Dec;108(6):1865-1874. PMCID: PMC9553092
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13. Christian CE, Thompson NE, Wakeham MK. Use & Outcomes of Nasotracheal Intubations among Patients requiring Mechanical Ventilation across US PICUs - accepted for Publication *Pediatr Crit Care Med*. .
14. Christian CE, Thompson NE, Wakeham MK. Use and Outcomes of Nasotracheal Intubation Among Patients Requiring Mechanical Ventilation Across U.S. PICUs. *Pediatr Crit Care Med*. 2020 Jul;21(7):620-624.
15. Hoffman GM, Niebler RA, Scott JP, Bertrandt RA, Wakeham MK, Thompson NE, Ghanayem NS, Stuth EA, Mitchell ME, Woods RK, Hraska V, Mussatto KA, Tweddell JS. Interventions Associated With Treatment of Low Cardiac Output After Stage 1 Norwood Palliation. *Ann Thorac Surg*. 2021 May;111(5):1620-1627.
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