

UNIVERSITY OF PENNSYLVANIA - PERELMAN SCHOOL OF MEDICINE
Curriculum Vitae

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Kelly C. Wade, M.D., Ph.D., M.S.C.E.

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If you are not a U.S. citizen or holder of a permanent visa, please indicate the type of visa you have:
none (U.S. citizen)

Education:

1989	B.S.	University of California, Davis (Biochemistry)
1993	M.S.	Yale School of Medicine (Genetics)
1996	Ph.D.	Yale School of Medicine (Genetics)
1997	M.D.	Yale School of Medicine (Medicine)
2010	M.S.C.E.	University of Pennsylvania (Clinical Epidemiology and Biostatistics)

Postgraduate Training and Fellowship Appointments:

1997-2000	Pediatric Residency, Combined Program, Children's Hospital of Boston & Boston Medical Center
2000-2001	Chief Resident in Pediatrics, Children's Hospital of Boston
2001-2004	Fellowship in Neonatal-Perinatal Medicine, Children's Hospital of Philadelphia

Military Service:

[none]

Faculty Appointments:

2004-2008	Instructor A in Pediatrics, Department of Pediatrics, University of Pennsylvania School of Medicine
2008-2014	Assistant Professor of Clinical Pediatrics, University of Pennsylvania School of Medicine
2014-2020	Associate Professor of Clinical Pediatrics, University of Pennsylvania School of Medicine
2020-present	Professor of Clinical Pediatrics, University of Pennsylvania School of Medicine

Hospital and/or Administrative Appointments:

2004-present	Attending Neonatologist, Department of Pediatrics, Children's Hospital of Philadelphia
2004-present	Attending Neonatologist, CHOP Newborn Care at Pennsylvania Hospital

2005-2008	Adjunct Pharmacologist, CHOP, Division of Clinical Pharmacology and Therapeutics
2010-2014	Associate Director, Nurseries, Academics, and Policy, CHOP Newborn Care at Pennsylvania Hospital
2014-present	Associate Director, Therapeutics and Medical Education, CHOP Newborn Care at Pennsylvania Hospital

Other Appointments:

[none]

Specialty Certification:

2000	American Board of Pediatrics
2005	Neonatal-Perinatal Medicine, American Board of Pediatrics
2008	American Board of Pediatrics (recertification)
2015	Neonatal-Perinatal Medicine, American Board of Pediatrics (recertification)
2018	American Board of Pediatrics (recertification)

Licensure:

2001	Pennsylvania
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Awards, Honors and Membership in Honorary Societies:

1988	Phi Beta Kappa
1997	Janet Glasgow Memorial Achievement Citation, American Medical Women's Association
1997	Farr Thesis Prize, Yale School of Medicine
1997	M.D./Ph.D. Thesis Prize, Yale School of Medicine
2001	Sydney Farber House Staff Award, Children's Hospital Boston
2002	Selected Participant, Eunice Kennedy Shriver National Institute of Child Health Conference, Aspen, CO
2005	Faculty Honor Roll, Children's Hospital of Philadelphia
2006	Faculty Honor Roll, Children's Hospital of Philadelphia
2010	PRO-LC Physician of the Year, Pennsylvania Resource Organization for Lactation Consultants
2012	2012 Harrison Fund Recipient, Pennsylvania Hospital
2018	Invited Participant, American Academy of Pediatrics 2018 Annual Leadership Forum

Memberships in Professional and Scientific Societies and Other Professional Activities:National:

1997-Present	American Academy of Pediatrics Section of Clinical Pharmacology and Therapeutics (SOCPT) Section of Neonatal Perinatal Medicine (SPNPM)
2006-2007	American College of Clinical Pharmacology (Member)

2006-2007	American Society of Microbiology (Member)
2006-2008	NICHD funded Pediatric Pharmacology Research Unit
2010-Present	NICHD Pediatric Trials Network - Member, Executive Steering Committee, 2010-present - Member, Publication Review Committee, 2013-present - Member, Caffeine Protocol Development Group, 2014-2018
2010-2016	NIH, eROP-Telemedicine for the evaluation of Retinopathy of Prematurity (NEI funded clinical trial)
2010-Present	Society for Pediatric Research (Member)
2012-2016	NICHD Better Pharmaceutical for Children's Act (BPCA)
2013-present	Food and Drug Administration - Member, Neonatal Advisory Committee, 2013-present - Member, Pediatric Advisory Committee, 2015-present - Chair, Pediatric Advisory Committee, 2019-present
2015-Present	International Neonatal Consortium - Invited participant in the following working groups: Clinical Pharmacology (2015-present), Infectious Disease (2015-2016), Communication (2016-present), Safety and adverse event reporting (2017-present) - Co-Chair, Communication group, (2020-present) - Co-Lead for the retrospective validation of the Standardized Adverse Event Severity Score tool, (2019-present)
2016-2018	American Society for Health-System Pharmacists (Standardize for Safety Project: compounded oral liquid medications)

Local:

2008-Present	Philadelphia Perinatal Society (Member)
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Editorial Positions:

2010-Present	Peer-Reviewer, Journal of Perinatology
2011-Present	Peer-Reviewer, Journal Of Pediatrics
2013-Present	Peer-Reviewer, Pediatric Infectious Disease Journal
2016-present	Peer-Reviewer, Antimicrobial Agents and Chemotherapy
2017-Present	Peer-Reviewer, European Journal of Pediatrics
2017-present	Peer-Reviewer, Ophthalmology

Academic and Institutional Committees:

1998-2001	Co-Chair, Memorial Service Committee, Children's Hospital of
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	Boston
1999-2001	Member, Selection Committee, Boston Combined Residency Program
2000-2001	Member, Investigational Review Board, Children's Hospital of Boston
2000-2001	Chair, Grand Rounds Organizing Committee, Children's Hospital of Boston
2001-2004	Member, Neonatology Clinical Research Group, Children's Hospital of Philadelphia
2002-2004	Co-Chair, Neonatology Fellows Scheduling Committee, Children's Hospital of Philadelphia
2002-2003	Member, Neonatology Consensus Committee, Ventilation of Premature Infants, Children's Hospital of Philadelphia
2003-2004	Member, Neonatology Consensus Committee, Limits of Resuscitation, Children's Hospital of Philadelphia
2004-2005	Chair, Neonatology Consensus Committee, Caring and Responsible End of Life Guidelines, Children's Hospital of Philadelphia
2006-2008	Member, Therapeutic Standards Committee, Children's Hospital of Philadelphia
2006-2008	Member, Neonatology Database Committee, Children's Hospital of Philadelphia
2006-2008	Member, Fetal Palliative Care Consultant Group, Children's Hospital of Philadelphia
2007-2012	Member, Neonatology Fellow Selection Committee, Children's Hospital of Philadelphia
2009-Present	Member, Pharmacy and Therapeutics Committee, Pennsylvania Hospital
2009-2013	Member, Breastfeeding Committee for NICU, Pennsylvania Hospital
2010-Present	Member, Neonatal Intensive Care Unit Based Clinical Leadership Group, Pennsylvania Hospital
2010-Present	Member, ICN Management Committee, Pennsylvania Hospital
2010-2018	Member, Post-partum & Newborn Care Unit Based Clinical Leadership Group, Pennsylvania Hospital
2011-2016	Member, Newborn Care Patient Safety Collaborative, Children's Hospital of Philadelphia
2012-2014	Physician Leader, NICHQ Best-Fed Beginnings Team, Pennsylvania Hospital
2014-2017	Member, Newborn Care Network, Guidelines for glucose monitoring of newborns at risk for hypoglycemia, Children's Hospital of Philadelphia
2018	Member, Resident Education in Neonatology Committee, Children's Hospital of Philadelphia
2018-Present	Chair, Neonatal Pharmacy and Therapeutics Subcommittee, University of Pennsylvania Health System

Major Academic and Clinical Teaching Responsibilities: (last 5 years)

2008-Present	Course Director. Pediatrics 305D Well Newborn, Perelman School of Medicine. Medical student clinical rotation at Pennsylvania Hospital (3-5 students per year, 2-4 week rotation)
2008-Present	Faculty, Perinatal and Neonatal Case Review Noon Conference, Children's Hospital of Philadelphia
2010-Present	Chair, Neonatology Academic Conference, Pennsylvania Hospital
2012-Present	Faculty, Neonatal Fellow Simulation Education, Communication Workshops 2-4 times per year, Children's Hospital of Philadelphia
2014-Present	Faculty Lecturer, UPENN Nursing School, NURS776 High Risk Neonate, Theory, 2 lectures (3 hours)per year: "Guiding Drug Principles to Improve Infectious Disease Outcomes" and "Treatment of Viral and Fungal Infections in the NICU"
2014-Present	CHOP Physician Assistant in Neonatology Resident Lectures. "Basic Pharmacokinetics to improve drug dosing in neonates", "Treatment of viral and fungal infections", "Exchange Transfusion for RH isoimmunization", "Resident Choice", "Comparison of neonatal care in different NICUs", "Fundamentals of Fetal and Neonatal Care" (3-5 lectures per year)
2014-Present	Course Director. CHOP Pediatric Resident, Independent Elective Unit in Neonatology at Pennsylvania Hospital (2-5 residents per year, 1 month rotation)
2015-Present	Pediatric Resident lecture during clinical rotation. "Delivery Room Care and Neonatal Resuscitation Review with simulation"(2-5 times per year), Children's Hospital of Philadelphia
2015-Present	Instructor, Neonatal Resuscitation Program, UPENN Newborn Care at Pennsylvania Hospital
2016-Present	Medical student lectures during clinical rotation at Pennsylvania Hospital. "Newborn Physical Exam for Term and Preterm Infants", "Neonatal Resuscitation in the Delivery Room (NRP review with simulation), "Essential Knowledge for Newborn Care", "Respiratory Distress in Term and Preterm Neonates", "Hypoglycemia in Term Newborns", Evaluation of Risk for Early Onset Sepsis in Newborns", "Evaluation and Management of Hyperbilirubinemia in Term and Preterm newborns"(2-8 lectures per year)
2017	CHOP Neonatal Fellow Lecture in Fellow Physiology Conference series. "Clinical Toxicology - medication in Pregnancy and lactation"
2017	"Maternal Toxoplasmosis Infection in Pregnancy". One lecture given as part of Neonatology Morbidity and Mortality Conference, Children's Hospital of Philadelphia
2017-2018	Resident lectures during clinical rotation in CHOP Newborn and Infant Care Unit. "Management of renal failure in VLBW infants", "Exchange transfusion for isoimmune hemolytic disease in newborn", "Ventilator management in preterm infants", "Comparison of trials evaluating blood transfusions in VLBW

	infants", "Early onset sepsis risk and evaluations in newborns". (5 lectures)
2017-Present	Course Director. CHOP Neonatal-Perinatal Medicine Fellow clinical rotation, Pennsylvania Hospital NICU Rotation (average 6 fellows per year, 1 month rotation)
2018-Present	Course Director. CHOP Hospitalist Medicine Fellow clinical rotation, Pennsylvania Hospital Newborn Nursery Rotation (2 fellows per year, 1 month rotation)
2018-2020	MD307, preceptor neonatal physical exam (4-6 medical students for 8-12 hours per year), University of Pennsylvania School of Medicine
2020	Faculty Lecture for Neonatal Fellowship Didactic Program. "Clinical Toxicology" Children's Hospital of Philadelphia
2020	Faculty Lecture for Neonatal Fellowship Didactic Program. "Neonatal Autopsy" Children's Hospital of Philadelphia

Lectures by Invitation (Last 5 years):

Feb, 2016	"Reducing Medication Errors in the NICU". The NEO Conference. MedNax Pediatric Group. Orlando, FL
Mar, 2016	"Challenges in Conducting Trials to Treat Neonatal Infections/NEC" Panel participant. 2nd Annual Neonatal Scientific Workshop at FDA, sponsored by FDA, Critical Path Institute, International Neonatal Consortium, Washington DC
Apr, 2016	"What's New for Antimicrobial Therapy in the NICU". Neonatal Pharmacology Meeting. Contemporary Forums. Las Vegas, NV
Apr, 2016	"Reducing Medication Errors in the NICU". Neonatal Pharmacology Conference. Contemporary Forums. Las Vegas, NV
May, 2016	"New Guidelines for Antiviral and Antifungal Therapies". 13th Annual CHOP Neonatal Nursing Symposium. Philadelphia, PA
Sep, 2016	"Strategies to reduce medication errors in the NICU", Contemporary Forums Fetus and Newborn Conferences, New Orleans LA
Sep, 2016	"PK knowledge to improve drug dosing in the NICU", Contemporary Forums Fetus and Newborn Conferences, New Orleans LA
Sep, 2016	"Fostering a Culture of Research to Improve Neonatal Outcomes". Applying Regulatory Science to Neonates. 2nd Annual Scientific Workshop, Applying Regulatory Science to Neonates, European Medicines Agency. London, UK. Sponsored by EMA, Critical Path Institute, International Neonatal Consortium. Invited speaker and panelist for Embracing Research Culture. London, UK.
Jan, 2017	"Embracing a Positive Research Culture in the NICU: stories from the trenches to improve drug therapies for neonates", Thomas Jefferson University, Seminars in Human Investigation. Philadelphia, PA
Apr, 2017	"What's new in neonatal pharmacology", Neonatal Pharmacology Conference. Contemporary Forums, San Diego, CA
May, 2017	"New guidelines for antiviral therapies", Southeastern Association of

May, 2017	Neonatologists (AAP sponsored meeting). Marco Island, FL "Improving medication safety in NICU", Southeastern Association of Neonatologists (AAP sponsored meeting). Marco Island, FL
May, 2017	"New considerations for evaluating risk of early onset sepsis in late-preterm and term infants", Southeastern Association of Neonatologists (AAP sponsored meeting). Marco Island, FL.
Nov, 2017	"Implementation of the early onset sepsis calculator: intended and unintended consequences", Contemporary Forums Annual Fetus and Newborn Conference, Las Vegas NV
Nov, 2017	"Respiratory viruses in the NICU? Beware of transmission", Contemporary Forums Annual Fetus and Newborn Conference, Las Vegas NV
Nov, 2017	"Antibiotics and practical aspects of stewardship in the NICU", Contemporary Forums Annual Fetus and Newborn Conference, Las Vegas NV
Jan, 2018	"Neonatal Pharmacokinetics", American Academy of Pediatrics NeoPREP 2018 Conference. Atlanta, GA.
Apr, 2018	"Comparison of nutrition strategies among North American NICUs", Neonatal Pharmacology Conference, Contemporary Forums, Philadelphia, PA
Sep, 2018	"Strategies to reduce medication errors in the NICU". Contemporary Forums Annual Fetus and Newborn Conference, Las Vegas NV
Sep, 2018	"PK knowledge to improve drug dosing in the NICU". Contemporary Forums Annual Fetus and Newborn Conference, Las Vegas NV
Oct, 2018	"Advancing Endpoint Development for Preterm Neonates with Pulmonary Morbidities", Panel Participant. Sponsored by Duke Margolis Center for Health Policy & FDA Center for Drug Evaluation and Research, Washington DC
Mar, 2019	"Better Strategies to Inform Patients on Clinical Research and Trial Participation". Panel Participant. Conference Forum: Patients as Partners, US 2019 meeting, Philadelphia, PA.
Apr, 2019	"Real World Applications - PTN impact on clinical practice in the Neonates", NICHD Pediatric Trials Network Symposium during Pediatric Academic Society 2019 meeting, Baltimore, MD
Feb, 2020	"Guiding principles of neonatal pharmacology", NeoPREP Comprehensive Review of Neonatal Perinatal Medicine Conference. Long Beach, CA
May, 2020	"Prolonged Antibiotic Exposure After Discontinuing Antibiotics in Premature Neonates Receiving Empiric Treatment for Early-Onset Sepsis", Platform presentation, Annual Pediatric Academic Society Meeting, 2020, Philadelphia, PA. Cancelled for CoVID-19. Presented in virtual format, July 2020.
May, 2020	"Neonatal Management of Extreme Prematurity at 22-23 Weeks Gestation". Southeastern Association of Neonatologists annual meeting, Marco Island, FL. Cancelled for CoVID19.

May, 2020	"The Importance of Dose Selection of Antibiotics for the ELBW Infant" Southeastern Association of Neonatologists annual meeting, Marco Island, FL. Cancelled for CoVID19, postponed.
Aug, 2020	"High Yield Essentials of Fetal and Neonatal Care and Genetics". American Academy of Pediatrics, PREP the Cram course. Virtual presentation.
Aug, 2020	"High Yield Inborn Errors of Metabolism". American Academy of Pediatrics, PREP the Cram course. Virtual presentation.

Organizing Roles in Scientific Meetings:

May, 2012	Co-Chair, Topic Symposium "Antimicrobials and Antivirals in the NICU: Getting the Dose RIGHT, Every Time", Pediatric Academic Society Meeting Boston, MA
Jun, 2012	Co-Chair 12th Annual Neonatal Pharmacology Conference, Contemporary Forums Washington DC
Jun, 2013	Chair, 13th Annual Neonatal Pharmacology Conference, Contemporary Forums San Diego, California
Jan, 2014	Planning Committee Member, NEOPREP conference, American Academy of Pediatrics Elk Grove Village, IL
May, 2014	Chair, 14th Annual Neonatal Pharmacology Conference, Contemporary Forums Boston, MA
May, 2015	Chair, 15th Annual Neonatal Pharmacology Conference, Contemporary Forums Scottsdale, AZ
Jan, 2016	Co-Chair, NEOPREP Conference, American Academy of Pediatrics Atlanta, GA
Apr, 2016	Chair, 16th Annual Neonatal Pharmacology Conference, Contemporary Forums Las Vegas, NV
Apr, 2017	Chair, 17th Annual Neonatal Pharmacology Conference, Contemporary Forums San Diego, CA
Jan, 2018	Chair, NeoPREP, Comprehensive review of Neonatal Perinatal Medicine, American Academy of Pediatrics Atlanta, GA
Apr, 2018	Chair, 18th Annual Neonatal Pharmacology Conference, Contemporary Forums Philadelphia, PA
Feb, 2020	Chair, NeoPREP, Comprehensive review of Neonatal Perinatal Medicine, American Academy of Pediatrics Long Beach, CA

Bibliography:

Research Publications, peer reviewed (print or other media):

1. Cant K., Knowles B., Mooseker M., Cooley L.: Drosophila singed, a fascin homolog, is required for actin bundle formation during oogenesis and bristle extension. Journal Cell Biology 125(1): 369, Apr 1994.
2. Cant K., Cooley L.: Single amino acid mutations in Drosophila fascin disrupt actin bundle formation in vivo. Genetics 143(1): 249, Jan 1996.
3. Cant K., Knowles B., Mahajan-Miklos S., Heintzelman M., Cooley L.: Drosophila fascin mutants are rescued by overexpression of villin like protein, quail. Journal Cell Science 111: 213-221, Jan 1998.
4. Alexander, S.W. Wade, K.C. Hibberd, P.L. Parsons, S.K.: Evaluation of risk prediction criteria for episodes of febrile neutropenia in children with cancer. Journal of Pediatric Hematology/Oncology 24(1): 38-42, Jan 2002.
5. Gonzales, L.W. Guttentag, S.H. Wade, K.C. Postle, A.D. Ballard, P.L.: Differentiation of human pulmonary type II cells in vitro by glucocorticoid plus cAMP. American Journal of Physiology - Lung Cellular & Molecular Physiology 283(5): L940-51, Nov 2002.
6. Daugherty, B.L. Mateescu, M. Patel, A.S. Wade, K. Kimura, S. Gonzales, L.W. Guttentag, S. Ballard, P.L. Koval, M.: Developmental regulation of claudin localization by fetal alveolar epithelial cells. American Journal of Physiology - Lung Cellular & Molecular Physiology 287(6): L1266-73, Dec 2004.
7. Wade, K.C. Guttentag, S.H. Gonzales, L.W. Maschhoff, K.L. Gonzales, J. Kolla, V. Singhal, S. Ballard, P.L.: Gene induction during differentiation of human pulmonary type II cells in vitro. American Journal of Respiratory Cell & Molecular Biology 34(6): 727-37, Jun 2006.
8. Cohen-Wolkowicz, M. Benjamin, D.K. Jr. Fowler, V.G. Jr. Wade, K.C. Alexander, B.D. Worley, G. Goldstein, R.F. Smith, P.B.: Mortality and neurodevelopmental outcome after Staphylococcus aureus bacteremia in infants. Pediatric Infectious Disease Journal 26(12): 1159-61, Dec 2007.
9. Lorch, S.A. Wade, K.C. Bakewell-Sachs, S. Medoff-Cooper, B. Escobar, G.J. Silber, J.H.: Racial differences in the use of respiratory medications in premature infants after discharge from the neonatal intensive care unit. Journal of Pediatrics 151(6): 604-10, 610.e1, Dec 2007.
10. Cohen-Wolkowicz, M. Smith, P.B. Benjamin, D.K. Jr. Fowler, V.G. Jr. Wade, K.C.: Daptomycin use in infants: report of two cases with peak and trough drug concentrations. Journal of Perinatology 28(3): 233-4, Mar 2008.

11. Wade, K.C. Lorch, S.A. Bakewell-Sachs, S. Medoff-Cooper, B. Silber, J.H. Escobar, G.J.: Pediatric care for preterm infants after NICU discharge: high number of office visits and prescription medications. Journal of Perinatology 28(10): 696-701, Oct 2008.
12. Wade, K.C. Wu, D. Kaufman, D.A. Ward, R.M. Benjamin, D.K. Jr. Sullivan, J.E. Ramey, N. Jayaraman, B. Hoppu, K. Adamson, P.C. Gastonguay, M.R. Barrett, J.S. National Institute of Child Health and Development Pediatric Pharmacology Research Unit Network.: Population pharmacokinetics of fluconazole in young infants. Antimicrobial Agents & Chemotherapy 52(11): 4043-9, Nov 2008.
13. Bruno, C.J. Smith, L.P. Zur, K.B. Wade, K.C.: Congenital subglottic cyst in a term neonate. Archives of Disease in Childhood Fetal & Neonatal Edition 94(4): F240, Jul 2009.
14. Wade, K.C. Benjamin, D.K. Jr. Kaufman, D.A. Ward, R.M. Smith, P.B. Jayaraman, B. Adamson, P.C. Gastonguay, M.R. Barrett, J.S.: Fluconazole dosing for the prevention or treatment of invasive candidiasis in young infants. Pediatric Infectious Disease Journal 28(8): 717-23, Aug 2009.
15. Wu, D. Wade, K.C. Paul, D.J. Barrett, J.S.: A rapid and sensitive LC-MS/MS method for determination of fluconazole in human plasma and its application in infants with Candida infections. Therapeutic Drug Monitoring 31(6): 703-9, Dec 2009.
16. Kimberlin, D.W., Shalabi, M., Abzug, J., Lang, D., Jacobs, R.F., Storch G., Bradley, J.S., Wade, K.C., Ramilo, O., Romero, J.R., Shelton, M., Leach, C., Guzman-Cottrill, J., Robinson, J., Abughali, N., Englund, J., Griffin, J., Jester, P., Cloud, G.A., Whitley, R.J., NIAID Collaborative Antiviral Study Group.: Safety of oseltamivir compared with the adamantanes in children less than 12 months of age. Pediatric Infectious Disease Journal 29(3): 195-8, Mar 2010.
17. Lorch S.A., Wade K.C., Bakewell-Sachs S., Medoff-Cooper B., Silber J.H., Escobar G.J.: Antibiotic use in premature infants after discharge from the neonatal intensive care unit. Clinical Pediatrics 49(3): 249-57, Apr 2010.
18. Wade K.C., Ellenberg J.H., Grosser T., Brensinger C.M., Kimmel S.E., Hennessy S.: Exogenous estrogen does not attenuate the association between rofecoxib and myocardial infarction in perimenopausal women. Journal Cardiovascular Pharmacology 57(2): 194-200, Feb 2011.
19. Piper L., Smith P.B., Hornik C.P., Cheifetz I.M., Barrett J.S., Moorthy G., Hope W.W., Wade K.C., Cohen-Wolkowicz M., Benjamin D.K.: Fluconazole loading dose pharmacokinetics and safety in infants. Pediatric Infectious Disease Journal 30(5): 375-8, May 2011.

20. Smith P.B., Cohen-Wolkowicz M., Castro L.M., Poindexter B., Bidegain M., Weitkamp J.H., Schelonka R.L., Ward R.M., Wade K., Valencia G., Burchfield D., Arrieta A., Bhatt-Mehta V., Walsh M., Kantak A., Rasmussen M., Sullivan J.E., Finer N., Brozanski B.S., Sanchez P., van den Anker J., Blumer J., Kearns G.L., Capparelli E.V., Anand R., Benjamin D.K. : Population pharmacokinetics of meropenem in plasma and cerebrospinal fluid of infants with suspected or complicated intra-abdominal infections. Pediatric Infectious Disease Journal 30(10): 844-9, Oct 2011.
21. Mossabeb R., Wade K.C., Finnegan K., Sivieri E., Abbasi S.: Language development survey provides a useful screening tool for language delay in preterm infants. Clinical Pediatrics 51(7): 638-44, July 2012.
22. Watt K.M., Benjamin D.K. Jr, Cheifetz I.M., Moorthy G., Wade K.C., Smith P.B., Brouwer K.L., Capparelli E.V., Cohen-Wolkowicz M.: Pharmacokinetics and safety of fluconazole in young infants supported with extracorporeal membrane oxygenation. Pediatric Infectious Disease Journal 31(10): 1042-7, Oct 2012.
23. Cohen-Wolkowicz Michael, Poindexter Brenda, Bidegain Margarita, Weitkamp Joern-Hendrik, Schelonka Robert L, Randolph David A, Ward Robert M, Wade Kelly, Valencia Gloria, Burchfield David, Arrieta Antonio, Mehta Varsha, Walsh Michele, Kantak Anand, Rasmussen Maynard, Sullivan Janice E, Finer Neil, Rich Wade, Brozanski Beverly S, van den Anker John, Blumer Jeffrey, Laughon Matthew, Watt Kevin M, Kearns Gregory L, Capparelli Edmund V, Martz Karen, Berezny Katherine, Benjamin Daniel K, Smith P Brian: Safety and effectiveness of meropenem in infants with suspected or complicated intra-abdominal infections. Clinical infectious diseases : an official publication of the Infectious Diseases Society of America 55(11): 1495-502, Dec 2012.
24. Reiss Errol, Lasker Brent A, Lott Timothy J, Bendel Catherine M, Kaufman David A, Hazen Kevin C, Wade Kelly C, McGowan Karin L, Lockhart Shawn R: Genotyping of *Candida parapsilosis* from three neonatal intensive care units (NICUs) using a panel of five multilocus microsatellite markers: broad genetic diversity and a cluster of related strains in one NICU. Infection, genetics and evolution : journal of molecular epidemiology and evolutionary genetics in infectious diseases 12(8): 1654-60, Dec 2012.
25. Benjamin Daniel K, Hudak Mark L, Duara Shahnaz, Randolph David A, Bidegain Margarita, Mundakel Gracias T, Natarajan Girija, Burchfield David J, White Robert D, Shattuck Karen E, Neu Natalie, Bendel Catherine M, Kim M Roger, Finer Neil N, Stewart Dan L, Arrieta Antonio C, Wade Kelly C, Kaufman David A, Manzoni Paolo, Prather Kristi O, Testoni Daniela, Berezny Katherine Y, Smith P Brian: Effect of fluconazole prophylaxis on candidiasis and mortality in premature infants: a randomized clinical trial. JAMA : the Journal of the American Medical Association 311(17): 1742-9, May 2014.
26. Monk Heather M, Motsney Adam J, Wade Kelly C: Safety of Rotavirus Vaccine in the NICU. Pediatrics 133(6): e1555-60, May 2014.

27. Quinn Graham E, Ying Gui-shuang, Daniel Ebenezer, Hildebrand P Lloyd, Ells Anna, Baumritter Agnieszka, Kemper Alex R, Schron Eleanor B, Wade Kelly: Validity of a telemedicine system for the evaluation of acute-phase retinopathy of prematurity. JAMA ophthalmology 132(10): 1178-84, Oct 2014.
28. Kemper Alex R, Wade Kelly C, Hornik Christoph P, Ying Gui-Shuang, Baumritter Agnieszka, Quinn Graham E: Retinopathy of Prematurity Risk Prediction for Infants with Birth Weight Less than 1251 Grams. The Journal of pediatrics 166(2): 257-61.e2, Nov 2014.
29. Ying Gui-Shuang, Quinn Graham E, Wade Kelly C, Repka Michael X, Baumritter Agnieszka, Daniel Ebenezer: Predictors for the Development of Referral-Warranted Retinopathy of Prematurity in the Telemedicine Approaches to Evaluating Acute-Phase Retinopathy of Prematurity (e-ROP) Study. JAMA ophthalmology 133(3): 304-11, Dec 2014.
30. Watt Kevin M, Gonzalez Daniel, Benjamin Daniel K, Brouwer Kim L R, Wade Kelly C, Capparelli Edmund, Barrett Jeffrey, Cohen-Wolkowicz Michael: Fluconazole population pharmacokinetics and dosing for prevention and treatment of invasive Candidiasis in children supported with extracorporeal membrane oxygenation. Antimicrobial agents and chemotherapy 59(7): 3935-43, Jul 2015.
31. Wade Kelly C, Pistilli Maxwell, Baumritter Agnieszka, Karp Karen, Gong Alice, Kemper Alex R, Ying Gui-Shuang, Quinn Graham: Safety of Retinopathy of Prematurity Examination and Imaging in Premature Infants. The Journal of pediatrics 167(5): 994-1000.e2, Nov 2015.
32. Kemper Alex R, Prosser Lisa A, Wade Kelly C, Repka Michael X, Ying Gui-Shuang, Baumritter Agnieszka, Quinn Graham E: A Comparison of Strategies for Retinopathy of Prematurity Detection. Pediatrics 137(1): 1-10, Jan 2016.
33. Frommelt Peter, Juern Anna, Siegel Dawn, Holland Kristen, Seefeldt Marcia, Yu JiaDe, Uhing Michael, Wade Kelly, Drolet Beth: Adverse Events in Young and Preterm Infants Receiving Topical Timolol for Infantile Hemangioma. Pediatric dermatology 33(4): 405-14, Jul 2016.
34. Quinn Graham E, Barr Charles, Bremer Don, Fellows Rae, Gong Alice, Hoffman Robert, Repka Michael X, Shepard Jennifer, Siatkowski R Michael, Wade Kelly, Ying Gui-Shuang: Changes in Course of Retinopathy of Prematurity from 1986 to 2013: Comparison of Three Studies in the United States. Ophthalmology 123(7): 1595-600, Jul 2016.
35. Momper Jeremiah D, Capparelli Edmund V, Wade Kelly C, Kantak Anand, Dhanireddy Ramasubbareddy, Cummings James J, NedreLOW Jonathan H, Hudak Mark L, Mundakel Gracias T, Natarajan Girija, Gao Jamie, Laughon Matt, Smith P Brian,

Benjamin Daniel K: Population Pharmacokinetics of Fluconazole in Premature Infants with Birth Weights Less than 750 Grams. Antimicrobial agents and chemotherapy 60(9): 5539-45, Sep 2016.

36. Quinn Graham E, Ying Gui-Shuang, Repka Michael X, Siatkowski R Michael, Hoffman Robert, Mills Monte D, Morrison David, Daniel Ebenezer, Baumritter Agnieszka, Hildebrand P Lloyd, Schron Eleanor B, Ells Anna L, Wade Kelly, Kemper Alex R: Timely implementation of a retinopathy of prematurity telemedicine system. Journal of AAPOS : the official publication of the American Association for Pediatric Ophthalmology and Strabismus 20(5): 425-430.e1, Oct 2016.

37. Hwang Michael F, Beechinor Ryan J, Wade Kelly C, Benjamin Daniel K, Smith P Brian, Hornik Christoph P, Capparelli Edmund V, Duara Shahnaz, Kennedy Kathleen A, Cohen-Wolkowicz Michael, Gonzalez Daniel: External Evaluation of Two Fluconazole Infant Population Pharmacokinetic Models. Antimicrobial agents and chemotherapy 61(12): e01352-17, Dec 2017.

38. Wade Kelly C, Ying Gui-Shuang, Baumritter Agnieszka, Gong Alice, Kemper Alex R, Quinn Graham E: Factors in Premature Infants Associated with Low Risk of Developing Retinopathy of Prematurity. JAMA ophthalmology 137(2): 160-166, Nov 2018.

39. Gerhart Jacqueline G, Watt Kevin M, Edginton Andrea, Wade Kelly C, Salerno Sara N, Benjamin Daniel K, Smith P Brian, Hornik Christoph P, Cohen-Wolkowicz Michael, Duara Shahnaz, Ross Ashley, Shattuck Karen, Stewart Dan L, Neu Natalie, Gonzalez Daniel: Physiologically-Based Pharmacokinetic Modeling of Fluconazole Using Plasma and Cerebrospinal Fluid Samples From Preterm and Term Infants. CPT: pharmacometrics & systems pharmacology 8(7): 500-510, Jul 2019.

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1. Laughon M.M., Benjamin D.K., Capparelli E.V., Kearns G.L., Berezny K., Paul I.M., Wade K., Barrett J., Smith P.B., Cohen-Wolkowicz M.: Innovative clinical trial design for pediatric therapeutics. Expert Review of Clinical Pharmacology 4(5): 643-52, Sep 2011.

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Contributions to peer-reviewed research publications, participation cited but not by authorship:

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1. Cant, K.: Genetic and biochemical characterization of Drosophila singed, a homolog of the actin bundling protein, fascin. Yale University, New Haven, CT May 1996. Notes: PhD Thesis.

Abstracts (Last 3 years):

1. GE Quinn, KC Wade, GS Ying, A Baumritter, A Gong, A Kemper, on behalf of the e-ROP Cooperative Group: Identifying Low Birth Weight Premature Infants at Low Risk for Developing ROP Poster Presentation of abstract. Annual meeting of the American Association of Pediatric Ophthalmology and Strabismus (AAPOS), Baltimore, MD March 2018.

2. Agnieszka Baumritter, Kelly C. Wade, Graham E. Quinn, Gui-shuang Ying, Alice Gong, Alex Kemper, on behalf of the e-ROP Cooperative Group: Identifying Low Birth Weight Premature Infants at Low Risk for Developing ROP in the (e-ROP) Study Poster

presentation of abstract. Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO). Honolulu, HI May 2018.

3. Mukhopadhyay, Sagori; Itell, Hannah L.; Hartman, Erica; Kumar, Amit; Wade, Kelly; Permar, Sallie; Puopolo, Karen M: Determining Maternal CMV IgG from Breast Milk among Women Delivering Prematurely. Poster Presentation of abstract. Annual Meeting of the Pediatric Academic Society (PAS), Toronto, Canada. May 2018.

4. Wade, KC, Bodenshtab H, Mukhopadhyay S, McPherson C, Cash J: Pharmacy practice variation among level 3-4 newborn ICUs suggests room for improvement. Poster presentation of Abstract for Annual Pediatric Academic Meeting, Philadelphia PA; May 2020. Cancelled for Covid-19. Encore abstract presented virtually at Pediatric Pharmacy Advocacy Group meeting 2020 May 2020.

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6. Wade KC: Pharmacokinetics. Fanaroff and Martins Neonatal-Perinatal Medicine, 10th Edition. Martin R.J., Fanaroff A.A., and Walsh M.C. (eds.). Elsevier, 2014 Notes: Book Chapter.

7. Kelly C. Wade, Heather M Monk: New Antifungal and Antiviral Dosing. Clinics in Perinatology 42(1): 177-194, January 2015.

8. Kelly C. Wade: Antiviral Dosing Considerations for Term and Preterm Infants. Infectious Disease and Pharmacology 1st Edition, Neonatal Questions and Controversies book series. William E. Benitz and P. Brian Smith (eds.). Elsevier, September 2018.

9. Kelly C. Wade: Pharmacokinetics. Fanaroff and Martins Neonatal-Perinatal Medicine, 11th Edition Martin R.J., Fanaroff A.A., and Walsh M.C. (eds.). Elsevier, June 2019

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10. Kelly C. Wade: TORCH infections. Clinical Care Guidelines in Neonatology Lucky Jain (eds.). McGraw Hill, June 2019.

11. Sagori Mukhopadhyay, Kelly Wade, and Karen Puopolo: Drugs for the Prevention and Treatment of Sepsis in the Newborn. Clinics in Perinatology. Jonathan Davis (eds.). 46(2): 327-347, June 2019.

12. Flannery, D. and Wade K.C.: Immunizations in the NICU. Clinics in Perinatology (in press) 2021.

13. Wade, Kelly and Benjamin, Daniel K Jr: Clinical Pharmacology of Anti-Infective Drugs. Infectious Diseases of the Fetus and Newborn Infant, 9th Edition (in press). Elsevier, 2022.