CURRICULUM VITAE

**Date of Revision:** August 12, 2022

**Name:** Richard William Pierce, M.D., M.S.

**Proposed for Reappointment as**: Assistant Professor, Department of Pediatrics, Section of Critical Care Medicine, Clinician-Scientist Track

**Term:** July 1, 2022 to June 30, 2025

**School:** Yale School of Medicine

**Education:**

B.A. Oberlin College (Chemistry, Biochemistry, Biology) 2002

M.S. University of Illinois at Urbana-Champaign (Organic Chemistry) 2007

M.D. University of Illinois at Urbana-Champaign 2010

**Career/Academic Appointments:**

2010-2011 Intern, Pediatrics, Connecticut Children’s Medical Center, Hartford, CT

2011-2013 Resident, Pediatrics, Connecticut Children’s Medical Center, Hartford, CT

2013-2016 Fellow in Pediatric Critical Care, Yale-New Haven Hospital, New Haven, CT

2016-2018 Instructor, Department of Pediatrics, Yale School of Medicine, New Haven, CT

2018-present Assistant Professor, Department of Pediatrics, Yale School of Medicine, New Haven, CT

**Administrative Positions:**

2018- present Associate Program Director, Pediatric Critical Care Medicine Fellowship, Department of Pediatrics, Yale School of Medicine

2019-present Pediatric Critical Care Representative to Pediatric Surgery Fellowship

2021- present Co-Director of the Mentored Clinical Experience, Medical Research Scholars Program

2022-present Society for Pediatric Research Grant Writing 101 Program Cohort leader

2022-2024 Pediatric Acute Lung and Sepsis Investigator Network Clinical Research Course Co-Chair

**Board Certification:**

2013-present American Board of Pediatrics, General Pediatrics Certified

2016-present American Board of Pediatrics, Critical Care Medicine Certified

**Professional Honors & Recognition:**

**International/National/Regional**

2022-present North American Vascular Biology Organization Mentorship Program Leader

2021 Induction into the Society for Pediatric Research, Full Member

2019, 2021 HFP Leadership Skills for New Principal Investigators

2018 National Institute of Health Early Career Reviewers Program

2018 National Institute for Child Health and Development Young Investigator Conference

2018 Society for Pediatric Research Young Investigator Coaching Award

2016-present North American Vascular Biology Organization Regional Representative

2014-2021 NIH Pediatric Loan Repayment Award (3competitive renewals)

**University/Hospital**

2022 Yale School of Medicine Department of Pediatrics Mae R. Gailani Junior Faculty Award

2021-present Yale School of Medicine Janeway Scholar

2019-2021  Yale School of Medicine Center for Clinical Investigation Faculty Scholar

2018-2021 Nominated for the Charles W. Bohmfalk Prize in Clinical Science Education

2018-present Department of Pediatrics Warshaw Scholar

2018  Howard A. Pearson Faculty Teaching Award

2017-2021 Yale Pediatric Residency Faculty Honor Roll

2017, 2020 Nominated for Charles W. Bohmfalk Prize in Basic Science Education

2017 Yale-New Haven Hospital PEACE Award

2017 Connecticut Children’s Medical Center Faculty Recognition Award

2016 Human Translation Immunology Annual Retreat Best Abstract Award

2015 Yale Pediatric Housestaff Fellow Teaching Award

2014-2017 Yale-New Haven Hospital Medical Staff Patient Experience Award

2009 Dr. David & Nancy Morse Excellence in Medicine Scholarship, UIUC-COM

2007 Hazel I. Craig Research Fellowship, College of Medicine, UIUC

2001, 2002 White House Scholarship, Oberlin College

2001 Eli Lilly & Company Fellowship for Undergraduate Research, Oberlin College

**Grants and Clinical Trials History:**

**Active Grants**

Agency: NIH/NHLBI

# ID #: K08 HL136898

# Title: Mechanisms of Endothelial Cell Dysfunction in Critically Ill Children

PI: Richard Pierce

Percent effort: 75%

Direct costs per year: $157,300

Total cost for the project period: $786,500

Project period: 7/1/2019-6/30/2024

Agency: Hartwell Foundation

ID #: N/A

Title: Catalyzing Acute Lung Injury Therapeutics through Immune Response Profiling

PI: Richard Pierce

Percent effort: 0%

Total cost for the project period: $300,000

Project period: 4/1/2020-3/31/2023

**Past Grants**

Agency: NIH/NIAAA

ID: R21 AA028432

Title: Identification of Biomarkers and Novel Pathways of Alcoholic Liver Disease by Leveraging Metabolomics, Tissue Imaging Mass Spectrometry, and Integrative Machine Learning

PI: Vasilis Vasiliou

Role: Co-Investigator

Percent effort: 0%

Total cost for the project period: $150,000

Project period: 9/5/2021-3/31/2021

Agency: Yale School of Medicine and Department of Pediatrics

COVID19 Supplemental Funding Grant

PI: Richard Pierce

Percent effort: 0%

Total cost for the project period: $60,000

Project period: 11/1/2020-10/31/2021

Agency: NIH/NCATS

ID #: UL1 TR001863, Yale Center for Clinical Investigation

Title: Coupling Single-Cell RNA-Sequencing and Metabolomic Analysis to Profile the Pulmonary Immune Response of Critically Ill Children with Viral Induced Acute Lung Injury

PI: Richard Pierce

Percent Effort: 0%

Total cost for the project period: $40,000

Project period: 7/1/2019-6/30/2021

Agency: NIH/NIGMS

ID #: R01 GM113838

Title:Sepsis-Induced Red Cell Dysfunction (SIRD)

PI: Allan Doctor (Washington University)

Role: Subaward PI

Percent effort: Per patient enrolled

Total cost for the project period: N/A, per patient enrolled

Project period: 12/1/2016-1/31/2020

Agency: Charles H. Hood Foundation

ID #: Child Health Research Awards Program

Title: Investigating Capillary Leak in Critically Ill Children and Primary Cell Culture

PI: Richard Pierce

Percent effort: 1%

Total costs for project period: $150,000

Project period: 1/1/2018-12/31/2019

Agency: YCGA/Illumina Pilot Program Award

ID #: 10x Genomics

Title: Profiling the vascular and pulmonary responses to critical illness

PI: Richard Pierce

Percent effort: 0%

Total costs for project period: $6,000

Project period: 11/2019

Agency: NIH/NICHD

ID #: K12 HD047349

Title: Mechanisms of Endothelial Cell Dysfunction in Critically Ill Children

PI: Heather Keenan (University of Utah)

Role: Subaward PI

Percent effort: 75%

Total costs for project period: $57,938

Project period: 1/1/19-6/30/19

Agency: NIH/NICHD

ID #: T32 HD068201

Title: Yale Pediatric Basic Science Training Program

PI: Marie Egan

Role: Trainee

Percent Effort: 75%

Total cost for the project period: $128,000

Project period: 7/1/2014-6/30/2016

**Invited Speaking Engagements, Presentations, and Workshops Not Affiliated with Yale:**

**International/National**

2022 Keynote Speaker, Pediatric Critical Care in Resource Limited Settings, Recorded Lecture, “Oxygen Delivery in Pediatric Shock”

2022 Invited Panelist, PALISI Spring Meeting, San Diego, California, “PODIUM Roundtable Discussion”

2022 Invited Panelist, PALISI Spring Meeting Clinical Research Course, San Diego, California,

 “Translational Scientist” and “Independent Scientist K to R Pathway” panels

2022 Invited Speaker, PALISI Spring Meeting Clinical Research Course, San Diego, California, “Research Timelines”

2021 Keynote Speaker, Pediatric Critical Care Fellows National Boot Camp, “Approach to shock” given virtually and simultaneously at Stanford CA, St. Louis MO, Salt Lake City UT, Durham and Charlotte NC

2021 Grand Rounds Presenter, Pediatric Grand Rounds, University of Oklahoma, OK “Challenges and opportunities in defining capillary leak in critically ill children” July 14

2021 Grand Rounds Presenter, Pediatric Grand Rounds, Loma Linda University, CA “Challenges and opportunities in defining capillary leak in critically ill children” May 15

2017 Grand Rounds Presenter, National Institute of Health, Institute of Allergy and Infectious Disease, Bethesda, MD, “Identification of a putative gene for pediatric systemic capillary disease”

2015 Invited Speaker, Pediatric Acute Lung and Sepsis Investigator Network, Austin, TX, “Capillary leak in the PICU: Development of a survey to identify clinically meaningful variables”

2015 Invited Speaker, Research Training Consortium for Pediatric Critical Care Medicine, United States, “Investigation in a rare case of pediatric systemic capillary disease” This national meeting for showcasing fellows research occurs quartery over Zoom.

2014 Invited Speaker, Research Training Consortium for Pediatric Critical Care Medicine, United States, “Effect of plasma from children with septic shock on endothelial barrier integrity”

**Regional**

2019-present Keynote Speaker, Pediatric Critical Care Fellows Regional Boot Camp, Philadelphia, PA and Boston, MA, “Approach to shock”

2019 Invited Speaker, American Academy of Pediatrics Project ECHO, Pediatric Emergency Medicine, Hartford, CT, “Respiratory support in non-intubated child with respiratory failure”

2018 Keynote Speaker, Pediatric Critical Care Fellows Regional Boot Camp, Philadelphia, PA, “Shock”

2018 Invited Speaker, Pediatric Acute Lung Injury and Sepsis Investigator Meeting, Boston, MA, “Definition and detection of capillary leak in critically ill children”

2016 Invited Speaker, Pediatric Critical Care Colloquium, New York City, NY, “A case of pediatric systemic capillary disease implicating RhoB as a novel regulator of capillary permeability”

2014 Grand Rounds Presenter, Hospital for Special Care, Grand Rounds, New Britain, CT, “Hypercalcemia of immobility: A cased based review”

**Peer-Reviewed Oral Presentations Given at Meetings Not Affiliated with Yale:**

**International/National**

2021 Oral Presentation, Pediatric Critical Care and Trauma Scientist Development Program, Park City, Utah, “ArhGEF12 selectively activates Rap1A in capillary endothelial cells to promote barrier function”

2020 Oral Presentation, Pediatric Critical Care and Trauma Scientist Development Program, Park City, Utah, “Identification of oncostatin-M as a regulator of capillary leak in critically ill children”

2019 Oral Presentation, Pediatric Critical Care and Trauma Scientist Development Program, Park City, Utah, “Mechanisms of endothelial cell dysfunction in critically ill children”

2018 Oral Presentation, Pediatric Academic Society Annual Meeting, Toronto, ON, Canada, “Sera from children after cardiopulmonary bypass reduces permeability of capillary endothelial cell barriers”

2016 Oral Presentation, Pediatric Academic Society Annual Meeting, Baltimore, MD, “Association of Thrombophilia and catheter-associated thrombosis in children: a systematic review and meta-analysis”

2016 Oral Presentation, Society for Critical Care Medicine 45th Congress, Orlando, FL, “Investigation in a rare case of pediatric systemic capillary disease”

# Professional Service:

# Peer Review Groups/Grant Study Sections

2021 Early Career Reviewer, NHLBI Integrative Vascular Physiology and Pathology Section

2019 Japan Society for the Promotion of Science, Grants-In-Aid Scientific Reviewer

2017-2021 Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Review Group

**Journal Service:**

Editor/Editorial Board Member

2019- 2022 Critical Care Section Editor, Current Pediatric Reports

2019- present Editorial Board Member, Scientific Reports

2019- present Review Editor Board Member, Pediatric Critical Care Medicine

2017-2021 Editorial Board Member, Journal of Pediatric Intensive Care

Article Reviewer

2015- present Annals of Internal Medicine, Scientific Reports, Circulation Research International Journal of Medical Research, American Journal of Respiratory and Critical Care Medicine, Pediatric Critical Care, Medicine, Cardiology in the Young, SM Emergency Medicine and Critical Care, ATVB, Respiratory Care, Journal of Clinical Pathology, Frontiers in Pediatrics

**Professional Service for Professional Organizations:**

***North American Vascular Biology Organization***

 2022-present North American Vascular Biology Organization Membership Committee

2017- present Regional Representative

2013- present Member

***Microcirculatory Society***

2021-present Member

***Society of Critical Care Medicine***

2017-2019 Member, Committee on Education, Section of Current Concepts Pediatrics

2013- present Member, General, Research, and Pediatric Sections

***Society for Pediatric Research***

2021- present Full Member

2013- 2021 Junior Member, Young Investigator Section Member

***Shock Society***

2017-2018 Executive Council Member

2014-2020 Member

***American Academy of Pediatrics***

2013-2018 Subcommittees on Pediatric Critical Care and Young Physicians

2010-2018 Member

**Yale University Service:**

***Medical School Committees***

2021- present Yale School of Medicine Medical Student Thesis Committee

2022-present Yale School of Medicine Admission Committee

***Departmental Committees***

2020- present Group Leader, Yale Pediatrics Peer Mentorship Committee on Grant Writing

2017-2020 Yale Pediatric Residency Clinical Competency Committee

2017-2019 Yale University Pediatric Pulmonology Fellow Scholarly Oversight Committee

2017-2018 Space Committee, Department of Pediatrics

***Hospital Boards and Committees***

2018- present Yale-New Haven Children’s CAR-T Inpatient Care Committee

2016- present Yale-New Haven Children’s Hospital Cardiac Intensive Care Nurse Training

2016- present Yale-New Haven Children’s Hospital ECMO Team Training

2015- present Yale-New Haven Children’s Hospital Pediatric Critical Care Nursing Orientation

2014- present Yale-New Haven Children’s Hospital PALS Instructor

**Public Service/Media Presence:**

2021- present Established [Pierce Laboratory Website](https://medicine.yale.edu/lab/pierce/) and Twitter (@Pierce\_Vasc\_Lab) Media Presence

2017-2019 Yale University Pediatric Residency Humanism Curriculum Facilitator

2016- present Yale-New Haven Hospital Auxiliary Medic/Paramedic/EMS Training

**Bibliography:**

**Peer-Reviewed Original Research**

1. Craig NC, Hanson KA, **Pierce RW,** Saylor SD, Sams RL. Rotational analysis of bands in the high-resolution infrared spectra of the three species of butadiene-1,4-d2; refinement of the assignments of the vibrational fundamentals, *Journal of Molecular Spectroscopy*. 2004, 228:401-13.
2. Yew WS, Fedorov AA, Fedorov EV, Rakus JF, **Pierce RW**, Almo SC, Gerlt JA. Evolution of enzymatic activities in the enolase superfamily: L-fuconate dehydratase from Xanthomonas campestris*.* *Biochemistry*. 2006, 45:14582-97.
3. Neshat-Vahid S, **Pierce RW,** Faustino EVS. Association of Thrombophilia and Catheter-Associated Thrombosis in Children: A Systematic Review and Meta-Analysis*, Journal of Thrombosis and Haemostasias*. 2016, 14:1749-58.
4. Liu R, Lauridsen HM, Amezquita RA, **Pierce RW,** Jane-Wit D, Fang C, Pellowe AS, Kirkiles-Smith NC, Pober JS. IL-17 Promotes neutrophil-mediated immunity by activating microvascular pericytes and not endothelium*. Journal of Immunology*. 2016, 197:2400-8.
5. **Pierce RW**, Luckett PM, Faustino EVS. A survey of pediatric critical care providers on the presence, severity and assessment of capillary leak in critically ill children*. Journal of Pediatric Intensive Care*, 2017, 6:145-151.
6. **Pierce, RW**, Merola, J, Kluger MS, Lavik, JP, Huttner, A, Khokha MK, Pober, JS*.* A Mutation in p190BRhoGAP prolongs RhoB activation and may explain a fatal case of systemic capillary leak syndrome. *Journal of Experimental Medicine.* 2017, 214:3497-3505.
7. **Pierce, RW**, Abou Zahr, R, Kandil, S, Faustino, EVS, Pober, JS. Effect of serum of children undergoing cardiopulmonary bypass on capillary endothelial cell barriers, *Pediatric Critical Care Medicine*. 2018,19: 609-618
8. Zheng DJ, Hooper M, Spencer-Manzon M, **Pierce RW.** A Case of Succinyl-CoA:3-Oxoacid CoA Transferase Deficiency Presenting with Severe Acidosis in a 14-Month-Old Female: Evidence for Pathogenicity of a Point Mutation in the OXCT1 Gene, *Journal of Pediatric Intensive Care* 2018, 7: 062-066
9. Vermette, D, Hu, P, Canarie, M, Funaro, M, Glover, J, **Pierce, RW**, Tight junction structure, function and assessment in the critically ill: A systematic review, *Intensive Care Medicine Experimental*. 2018, 6:37
10. **Pierce, RW**, Shabanova, V, Canarie, M, Pinto, M, da Silva YS, Bhandari V, Giuliano, JS. Angiopoietin Level Trajectories in Toddlers with Severe Sepsis and Septic Shock and Their Effect on Capillary Endothelium. *Shock.* 2019, 51: 298-305
11. Penque, BA, Su, L, Wang, J, Ji, W, Bale, A, Luh, F, Fulbright, RK, Sarmast, U, Spencer-Manzon, M, Yen, Y, **Pierce, RW**, Lakhani, SA. A Homozygous Variant in RRM2B is Associated with Severe Metabolic Acidosis and Early Neonatal Death*, European Journal of Medical Genetics*, 2019, 62:103574
12. **Pierce, RW**, Ji, W, Chan, EC, Zie, Z, Long, LM, Khokha, M, Lakhani, S, Druey, KM. Whole exome sequencing of adult and pediatric cohorts of the rare vascular disorder Systemic Capillary Leak Syndrome*, Shock*. 2019, 52:183-19
13. Merola J, Reschke M, **Pierce RW**, Qin L, Spindler S, Manes TD, Li G, Bracaglia L, Kirkiles-Smith N, Baltazar T, Saltzman WM, Tietjen GT, Tellides G, Pober JS. Progenitor-Derived Human Endothelial Cells Evade Alloimmunity by CRISPR/Cas9-Mediated Complete Ablation of MHC Expression, *JCI Insight*, 2019, 4:129739
14. Maitoza LA, Neeman E, Funaro M, **Pierce RW**, Relevance of microvascular flow assessments in critically ill neonates and children: A systematic review, *Pediatr Crit Care Med*, 2020, 4:373-384
15. Li Z, Yin M, Zhang H, **Pierce RW**, Huan J, Zhou Z, Min W, BMX Represses Thrombin-PAR1-Mediated Endothelial Permeability and Vascular Leakage During Early Sepsis*,* *Circ Res*, 2020, 126(4):471-485
16. Otero Luna AV, Johnson R, Funaro M, Canarie MF, **Pierce RW***.* Methylene blue for refractory shock in children: A systematic review and survey practice analysis*.* *Pediatr Crit Care Med*, 2020, 21(6): 378-386
17. Ravindra NG, Alfajaro MM, Gasque V, Habet V, Wei J, Filler RB, Huston NC, Wan H, Szigeti-Buck K, Wang B, Wang G, Montgomery RR, Eisenbarth SC, Williams A, Pyle AM, Iwasaki A, Horvath TL, Foxman EF, **Pierce RW**, van Dijk D, Wilen CB, Single-cell longitudinal analysis of SARS-CoV-2 infection in human airway epithelium, *PLoS Biol*. 2021 Mar 17;19(3):e3001143
18. Ramaswamy A, Brodsky NN, Sumida TS, Comi M, Asashima H, Hoehn KB, Li N, Liu Y, Shah A, Bishai J, Khan A, Lau W, Unterman A, Habet V, Rice AJ, Catanzaro J, Chandnani H, Lopez M, Kaminski N, Tsang J, Yan X, Kleinstein SH, van Dijk D, **Pierce RW**, Hafler DA, Lucas CL. Post-infectious inflammatory disease in MIS-C patients features innate and adaptive immune triggering. *J. Immun.* 2021
19. Yuan Q, Basit A, Liang W, Xu X, Qu R, Luan Y, Liu X, Yang C, Guo A, **Pierce RW**, Wang G, Zhang L, Turk B, Liu D, Hu X, Li F, Cui W, Li R, Huang D, Mo L, Sessa W, Kluger Y, Su B, Tang W, He J. Pazopanib ameliorates acute lung injuries via inhibition of MAP3K2 and MAP3K3, Science Translational Medicine,
20. Schupp JC, Adams TS, Cosme C, Raredon MSR, Yuan Y, Omote N, Poli S, Chioccioli M, Rose KA, Manning EP, Sauler M, DeIuliis G, Ahangari F, Neumark N, Habermann AC, Gutierrez AJ, Bui LT, Lafyatis R, **Pierce RW**, Meyer KB, Nawijn MC, Teichmann SA, Banovich NE, Kropski JA, Niklason LE, Pe'er D, Yan X, Homer RJ, Rosas IO, Kaminski N. Integrated Single-Cell Atlas of Endothelial Cells of the Human Lung. Circulation, 2021 Jul 27;144(4):286-302, PMC8300155
21. Khan A, Ni W, Lopez-Giraldez F, Kluger MS, Pober JS, **Pierce RW.** Tumor necrosis factor-induced ArhGEF10 selectively activates RhoB contributing to human microvascular endothelial cell tight junction disruption. *FASEB*, 2021 Jun;35(6):e21627, PMID: 33948992
22. Khan A, Ni W, Lopez-Giraldez F, Pober JS, **Pierce RW.** ArhGEF12 activates Rap1A and not RhoA in human dermal microvascular endothelial cells to reduce tumor necrosis factor-induced leak. *FASEB J.* 2022 Apr;36(4):e22254, PMID: 35294066
23. Al-Ali S, Jeffries L, Faustino EVS, Jia W, Misa E, Zerillo C, Ackerman K, Alanay Y, Al-Ammouri I, Azab B, Gulsun S, Hatirnaz O, Jiang Y, Spencer-Manzon M, McGlynn J, Romberg N, Steiner L, Tremblay T, Brodsky B, Lucas C, **Pierce RW**, Deniz E, Khokha MK, Lakhani SA. A retrospective cohort analysis of the Yale Pediatric Genomics Discovery Program. American Journal of Genetics, 2022, Accepted

**Chapters, Books, and Reviews**

1. **Pierce, RW.** Evolutionary limits of intrinsic and designed substrate promiscuity of the structural homologues within the mandelate-racemace subgroup of the enolase superfamily*.* Thesis, University of Illinois at Urbana-Champaign, 2007
2. **Pierce RW,** Bigham MT, Giuliano JS. Use of procalcitonin for the prediction and treatment of acute bacterial infections in children,In *Current Opinions in Pediatrics*. 2014, 26:292-8
3. **Pierce, RW,** Giuliano, JS, Pober, JS. Endothelial cell function and dysfunction in critically ill children. In *Pediatrics*. 2017, 140:1
4. Lakhani, SA, **Pierce, RW**. Rethinking what constitutes a diagnosis in the genomics era: a critical illness perspective,In *Current Opinions in Pediatrics*. 2019, 31:317-321

**Peer-Reviewed Educational Materials**

1. **Pierce, RW**. Cardiopulmonary Interactions Module**.***Pediatric Emergency and Critical Care-University of Nairobi/Seattle Children’s Hospital Collaborative*, 2017
2. **Pierce, RW.** Tracheostomy Care and Emergencies Module, *Pediatric Emergency and Critical Care-University of Nairobi/Seattle Children’s Hospital Collaborative*, 2017
3. **Pierce, RW**. Shock Module, *LearnPICU*, 2018, Available from learnpicu.com
4. **Pierce, RW**. Pulmonary Hypertension Module, *Pediatric Emergency and Critical Care-University of Nairobi/Seattle Children’s Hospital Collaborative*, 2018
5. **Pierce, RW**. PICU Survival Guide. *LearnPICU*, March 2018 to present, Available from learnpicu.com
6. **Pierce, RW.** Oxygen Delivery in Pediatric Shock Module, *Pediatric Critical Care in Resource Limited Settings,* 2022. Available at https://www.pccirls.com/

**Invited Editorials and Commentaries**

1. He, L, **Pierce, RW**, Min W. Rare and Low-frequency Variant of ARHGEF17 is Associated with Intracranial Aneurysms*. Circulation Genomics and Precision Medicine*. 2018, 11:e002248

**Practice Guidelines, Standards, and Consensus Statements**

1. **Pierce, RW**, Giuliano, JS, Whitney, JE, Ouellette, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Group. Endothelial Dysfunction Criteria in Critically Ill Children: The PODIUM Consensus Conference, *Pediatrics*, 2022, 149(Supp 1):S97-S102. PMID: 34970676.
2. Bembea MM, Agus M, Ayse AA, Alexander P, Basu R, Bennett TD, Bohn D, Brandao LR, Brown AM, Carcillo JA, Checchia P, Cholette J, Cheifetz IM, Cornell T, Doctor A, Eckerle M, Erickson S, Farris RW, Faustino EVS, Fitzgerald JC, Furham DY, Giuliano JS, Guillams K, Gaies M, Gorga SM, Hall M, Hanson SJ, Hartman M, Hassinger AB, Irving SY, Jeffries H, Jouvet P, Kanna A, Kram O, Khemani RG, Kissoon N, Lacroix J, Laussen P, Menon K, Monagle P, Muszynski JA, Odetola F, Parker R, Pathan N, **Pierce RW**, Pineda J, Prince JM, Robinson KA, Rowan CM, Ryerson LM, Sanchez-Pinto LN, Schlapbach LJ, Selewski DT, Selerdemian LS, Simon D, Smith LS, Squire JE, Squire RH, Sutherland SM, OuelletteY, Spader MC, Srinivasan V, Steiner ME, Tasker RC, Thiagarajan R, Thomas N, Tissieres P, Traube C, Tucci Marisa, Typpo KV, Wainwright MS, Ward SL, Watson RS, Weiss S, Whitney J, Wilson D, Wynn JL, Yehya N, Zimmerman JJ. Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Contemporary Organ Dysfunction Criteria: Executive Summary. *Pediatrics*, 2022, 149(Supp 1):S1-S12. PMID: 3497067.

**Case Reports, Technical Notes, and Letters**

1. **Pierce, RW,** See PS. *Photo Clinic:* A case of congenital benign isolated macrodactyly, *Consultant for Pediatricians.* 2009, 8:308
2. McStay CS, **Pierce RW**, Riley CL. Complete recovery following acute zonisamide overdose in an adolescent female*, Pediatric Emergency Care*. 2018, 34:30-32.
3. **Pierce, RW**. Letter in response to “Vascular endothelial cadherin shedding is more severe in sepsis patients with severe acute kidney injury*.” Critical Care*, 2019; 23:167.

**Scholarship Submitted**

1. Egozi A, Olaloye A, Werner L, Silva T, McCourt B, **Pierce RW**, An X, Wang F, Chen K, Pober JS, Shoval D, Itzkovitz S, Konnikova L, Single cell atlas of the neonatal small intestine with necrotizing enterocolitis. Nature Medicine, submitted. https://www.biorxiv.org/content/10.1101/2022.03.01.482508v1