

# CURRICULUM VITAE

**Alyssa R. Matuszak**

**APP Inpatient 2  
Department of Pediatrics  
Division of Pediatrics Critical Care  
MSN, RN, CPNP-AC**

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**EDUCATION:**

09/2004 - 05/2008 Bachelor of Science, Human Biology with Health Science Emphasis, University of Wisconsin-Green Bay, Green Bay, WI

05/2010 - 08/2011 Master of Science Degree in Nursing, Acute Care Pediatric Nurse Practitioner, Marquette University, Milwaukee, WI

05/2010 - 05/2014 RN Coursework, Marquette University, Milwaukee, WI

**EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:**

01/2013 - 05/2014 Pediatric Nurse Practitioner Student, Pediatrics, Critical Care, Children's Hospital of Wisconsin/Medical College of Wisconsin, Milwaukee, WI

**HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:**

09/2008 - 04/2014 Clinical Research Nurse, Medicine, Nephrology, Medical College of Wisconsin, Milwaukee, WI

12/2011 - 06/2014 Registered Nurse - Staff Nurse/Patient Care Coordinator, NICU, Wheaton Franciscan Health Care, All Saints, Racine, WI

06/16/2014 - Present Critical Care Pediatric Nurse Practitioner, Pediatrics, Critical Care, Medical College of Wisconsin/Children's Hospital of Wisconsin, 9000 W. Wisconsin Avenue, Milwaukee, WI 53226

07/2022 - Present Co-APP Lead, Pediatrics, Cardiac Intensive Care Unit, Children's Wisconsin, Milwaukee, WI

**RESEARCH ADMINISTRATIVE APPOINTMENTS:**

06/2007 - 09/2007 Research Assistant, Adolescent Medicine, Gastroenterology, Medical College of Wisconsin, Milwaukee, WI

06/2008 - 09/2008 Research Assistant, Adolescent Medicine, Gastroenterology, Medical College of Wisconsin, Milwaukee, WI

**HOSPITAL STAFF PRIVILEGES:**

07/01/2014 - Present Pediatric Critical Care Nurse Practitioner, Pediatrics, Critical Care, Children's Hospital of Wisconsin/Medical College of Wisconsin, Milwaukee, WI

**SPECIALTY BOARDS AND CERTIFICATION:**

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
BLS	Children's Hospital of Wisconsin		04/2024

PALS Children's Hospital of Wisconsin 04/2024

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
RN (WI)		2011	09/30/2024
DEA		02/09/2014	01/31/2026
PNCB (Acute care)		07/25/2014	02/28/2024
WI APN		08/2014	09/30/2024

**AWARDS AND HONORS:**

2014 Summa Cum Laude Honors, Marquette University  
2017 Tom B. Rice Critical Care Award for Integrity, Medical College of Wisconsin  
2019 Tom B. Rice Critical Care Award for Integrity

**MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:**

2005 - Present Beta Beta Beta Honor Society (Member)  
2013 - Present National Association of Pediatric Nurse Practitioners (NAPNAP), Wisconsin Chapter, Special interest group: Acute Care Pediatrics (Member)  
2017 - Present Society of Critical Care Medicine (Member)

**RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:**

**Prior**

Non-Peer Review

Title: A Phase III, Randomized, Double-Blind, Placebo-Controlled Study of AST-120 for Prevention of Chronic Kidney Disease Progression in Patients with Moderate to Severe Chronic Kidney Disease including Assessment of Quality of Life.  
Source: Mitsubishi Pharmaceuticals, Inc.  
Role & Effort: Research Assistant  
PI: Blumenthal, Samuel S.  
Dates: 10/2008 - 2012

Title: PYR-210: A Randomized, Double-blind, Placebo-controlled Study Evaluating the Safety & Efficacy of Pyridorin in T2DM Subjects w/ Nephropathy  
Source: NephroGenex Inc.  
Role & Effort: Research Assistant  
PI: Blumenthal, Samuel S.  
Dates: 10/2008 - 09/2010

Title: Phase III, Randomized, Double-Blind, Placebo-Controlled Withdrawal Study Comparing MCI-196 vs. Placebo Following a 12-Week Dose Titration Period with MCI-196 in CKD Subjects on Dialysis (Stage V) with Hyperphosphatemia  
Source: Mitsubishi Pharma America, Inc.  
Role & Effort: Research Assistant  
PI: Blumenthal, Samuel S.

Dates: 10/2008 - 03/2010

Title: Evaluation of Cinacalcet HCl Therapy to Lower CardioVascular Events (EVOLVE)

Source: Amgen, Inc.

Role & Effort: Research Coordinator

PI: Blumenthal, Samuel S.

Dates: 10/2008 - 12/2012

Title: A Multi-Center, Double-Blind, Placebo-Controlled, Parallel Group, Randomized, Phase 2 Trial to Evaluate the Glycemic Efficacy, Renal safety, Pharmacokinetics, and Pharmacodynamics of Dapagliflozin in Subjects with Type II Diabetes Mellitus and Moderate Renal Impairment Who Have Inadequate Glycemic Control

Source: Bristol-Myers Squibb/AstraZeneca

Role & Effort: Research Assistant

PI: Blumenthal, Samuel S.

Dates: 10/2008 - 09/2011

Title: Phase II, Double-Blind, Placebo-Controlled, Parallel Group, Fixed Dose Study of AMG 223 in Subjects with CKD on Hemodialysis with Hyperphosphatemia

Source: Amgen

Role & Effort: Research Assistant

PI: Blumenthal, Samuel S.

Dates: 10/2008 - 04/2009

Title: A Randomized, Double-Blind, Placebo-Controlled, Dose-Ranging Study Using Genz-644470 and Sevelamer Carbonate in Hyperphosphatemic Chronic Kidney Disease Patients on Hemodialysis

Source: Genzyme Corporation

Role & Effort: Research Assistant

PI: Blumenthal, Samuel S.

Dates: 02/2009 - 09/2009

Title: PHX1149-PROT306: A Randomized, Double-Blind, Placebo- and Sitagliptin-Controlled, Multi-Center Study to Evaluate Safety and Efficacy of Dutoglipitin in Type 2 Diabetes Mellitus Subjects with Moderate and Severe Renal Impairment Including Subjects on Hemodialysis

Source: Phenomix Inc.

Role & Effort: Research Assistant

PI: Blumenthal, Samuel S.

Dates: 08/2009 - 12/2009

Title: Evaluation of Monthly Darbepoetin alfa Dosing for the Treatment of Anemia in Chronic Kidney Disease (CKD) Patients Not Receiving Dialysis: An Active-controlled, Double-blind Study  
Source: Amgen Inc  
Role & Effort: Research Assistant  
PI: Blumenthal, Samuel S.  
Dates: 08/2009 - 01/2010

Title: Randomized Evaluation of efficacy and safety of ferric carboxymaltose in Patients with iron deficiency Anemia and Impaired Renal function  
Source: Luitpold Pharmaceuticals, Inc.  
Role & Effort: Research Assistant  
PI: Blumenthal, Samuel S.  
Dates: 09/2009 - 2011

Title: An Exploratory Phase 2 Study to Assess the Effect of Dapagliflozin on Glomerular Filtration Rate (GFR) in Subjects with Type 2 Diabetes who have Inadequate Glycemic and Blood Pressure (BP) Control MB102-035  
Source: Bristol-Myers Squibb/AstraZeneca  
Role & Effort: Research Assistant  
PI: Blumenthal, Samuel S.  
Dates: 09/2009 - 05/2011

Title: A 4-Week Dose-Ranging and Efficacy Trial of KRX-0502 (ferric citrate) in Patients with End-Stage Renal Disease (ESRD) Following a Two-Week Washout Period  
Source: Keryx Biopharmaceuticals  
Role & Effort: Research Coordinator  
PI: Blumenthal, Samuel S.  
Dates: 12/2009 - 2011

Title: A multicenter, randomized, double-blind, parallel group, active-controlled study to evaluate the efficacy and safety of LCZ696 compared to enalapril on morbidity and mortality in patients with chronic heart failure and reduced ejection fraction  
Source: Novartis Pharmaceuticals  
Role & Effort: Research Assistant  
PI: Ptacin, Michael  
Dates: 12/2009 - 04/2014

Title: H9V-MC-GFRF: A Randomized, Double-Masked, Placebo-Controlled, Multicenter, Phase 2 Study to Evaluate the Safety and Renal Efficacy of LY2382770 in Patients with Diabetic

Kidney Disease due to Type 1 or Type 2  
Diabetes  
Source: Eli Lilly & Co.  
Role & Effort: Research Coordinator  
PI: Blumenthal, Samuel S.  
Dates: 06/2010 - 04/2014

Title: A Three-Period, 58-Week Safety and Efficacy Trial of KRX-0502 (ferric citrate) in Patients with End-Stage Renal Disease (ESRD) on Dialysis  
Source: Keryx Biopharmaceuticals  
Role & Effort: Research Coordinator  
PI: Blumenthal, Samuel S.  
Dates: 03/2011 - 2012

Title: Bardoxolone methyl evaluation in patients with chronic kidney disease and type 2 diabetes: the occurrence of renal events (BEACON)  
Source: Reata Pharmaceuticals, Inc.  
Role & Effort: Research Coordinator  
PI: Blumenthal, Samuel S.  
Dates: 09/2011 - 10/2012

Title: A multi-centered, randomized, double-blind, placebo-controlled, Phase IV trial to evaluate the effect of saxiglipitin on the incidence of cardiovascular death, myocardial infarction or ischemic stroke in patients with type 2 diabetes (SAVOR)  
Source: AstraZeneca  
Role & Effort: Research Coordinator  
PI: Blumenthal, Samuel S.  
Dates: 2011 - 2013

Title: A Long-Term Safety Extension Trial of KRX-0502 (ferric citrate) in Patients with End-Stage Renal Disease (ESRD) on Dialysis  
Source: Keryx Biopharmaceuticals  
Role & Effort: Research Coordinator  
PI: Blumenthal, Samuel S.  
Dates: 2013 - 2014

Title: Nutrition Practices and Outcomes for Children on Non-Invasive Ventilation (NPO/NIV)  
Source: PALISI  
Role & Effort: Co-Investigator  
PI: Theresa Mikhailov, M.D., PharmD  
Dates: 06/2017 - 06/2018

Title: Catechol-O-Methyltransferase (COMT) Enzyme Polymorphisms as a Predictor of Outcomes for Children with Septic

Shock

Source: Children's Hospital of Wisconsin/Medical College of Wisconsin

Role & Effort: Co-Investigator

PI: Nathan Thompson, M.D., PharmD

Dates: 06/2017 - 01/2019

Title: Prevention of Central Venous Associated – Thrombosis in Critically Ill Children (CRETE)

Source: Yale School of Medicine/American Heart Association/Eunice Kennedy Shriver National Institute of Child Health and Human Development

Role & Effort: Co-Investigator

PI: Sheila Hanson, MD

Dates: 06/2018 - 06/2019

#### **INVITED LECTURES/WORKSHOPS/PRESENTATIONS:**

##### **National**

Rajapreyar P, Powell M, Andres J, Matuszak A, McDermott K, Murkowski K, Kasch M, Gray C, O'Brien K, Petersen T, Wakeham M, Gedeit R., Development of Standardized Clinical Assessment and Management Plan for Pediatric Acute Respiratory Distress Syndrome, Pediatric Acute Lung injury and Sepsis Investigators, San Diego, CA, 03/2018

Rajapreyar P, Powell M, Andres J, Matuszak A, McDermott K, Murkowski K, Kasch M, Gray C, O'Brien K, Petersen T, Wakeham M, Gedeit R., Development of Standardized Clinical Assessment and Management Plan for Pediatric Acute Respiratory Distress Syndrome, 33rd Pediatric Acute Lung injury and Sepsis Investigators Meeting, PreVent Subgroup Meeting, Boston, MA, 09/2018

Rajapreyar P, Powell M, Andres J, Matuszak A, McDermott K, Murkowski K, Kasch M, Gray C, O'Brien K, Petersen T, Wakeham M, Gedeit R., Development of Standardized Clinical Assessment and Management Plan for Pediatric Acute Respiratory Distress Syndrome., 33rd Pediatric Acute Lung injury and Sepsis Investigators Meeting, PreVent Subgroup Meeting, Snowbird, UT, 03/2019

Rajapreyar P, Powell M, Andres J, Matuszak A, McDermott K, Murkowski K, Kasch M, Gray C, O'Brien K, Petersen T, Wakeham M, Gedeit R., Development of Standardized Clinical Assessment and Management Plan for Pediatric Acute Respiratory Distress Syndrome, 34th Pediatric Acute Lung injury and Sepsis Investigators Meeting, PreVent Subgroup Meeting, Vancouver, Canada, 09/2019

Matuszak A, Rajapreyar P, Wakeham M., Failed Conventional Mechanical Ventilation in Severe Pediatric ARDS: A Single Center Experience., 50th Annual Critical Care Congress Virtual Conference, Virtual, 01/2021

##### **Local**

Greenley RN, Doughty A, Medication Adherence and Barriers to Adherence Among Teens with Inflammatory Bowel Disease, Annual Department of Pediatrics Summer Research Student Fair, Milwaukee, WI, 07/2008

Cranial Computed Tomographic Findings in Large Group of Children with Drowning: Diagnostic, Prognostic, and Forensic Implications., Pediatric Critical Care Nurse Practitioner Monthly Administrative Meeting – Educational Session, Children's of Wisconsin, 11/06/2015

Journal Club – Pediatric ARDS Part 1, Pediatric Critical Care Nurse Practitioner Monthly Administrative Meeting, Children's of Wisconsin, 02/15/2016

Journal Club – Use of Methylene Blue in Septic Shock, Pediatric Critical Care Nurse Practitioner Monthly Administrative Meeting – Educational Session, Children's of Wisconsin, 08/15/2016

Journal Club – Kounis Syndrome: A Case Report, Critical Care Nurse Practitioner Monthly Administrative Meeting – Educational Session, Children's of Wisconsin, 04/17/2017

New Critical Care Nurse Education Course – ARDS, Children's of Wisconsin, 10/17/2017

New Critical Care Nurse Education Course – ARDS, Children's of Wisconsin, 04/17/2018

Code Review Presentation, Recurring monthly presentation to Critical Care Group, Children's Wisconsin/Medical College of Wisconsin, 05/2019 - Present  
Slit Ventricle Syndrome, Pediatric Neuro Critical Care Conference, Children's of Wisconsin, 12/2020

**PEER REVIEWED WORKSHOPS/PRESENTATIONS:**

**Local**

Journal Club – Cranial Computed Tomographic Findings in a Large Group of Children with Drowning: Diagnostic, Prognostic, and Forensic Implications, Pediatric Nurse Practitioner Monthly Administration Meeting - Educational Session, Children's Hospital of Wisconsin, 11/06/2015  
Journal Club – Pediatric ARDS Part 1, Pediatric Nurse Practitioner Monthly Administration Meeting - Educational Session, Children's Hospital of Wisconsin, 02/15/2016  
Journal Club– Use of Methylene Blue in Septic Shock, Pediatric Nurse Practitioner Monthly Administration Meeting - Educational Session, Children's Hospital of Wisconsin, 08/15/2016  
Journal Club – Kounis: A Case Report, Journal Club– Use of Methylene Blue in Septic Shock, Children's Hospital of Wisconsin, 04/17/2017  
New Critical Care Nurse Education Course - ARDS, Journal Club– Use of Methylene Blue in Septic Shock, Children's Hospital of Wisconsin, 10/17/2017  
New Critical Care Nurse Education Course - ARDS, Journal Club– Use of Methylene Blue in Septic Shock, Children's Hospital of Wisconsin, 04/17/2018

**COMMITTEE SERVICE:**

**Medical College of Wisconsin**

2015 - 05/2017 Member, Education Group - Ultrasound Guided Procedures, Critical Care, Pediatrics, Medical College of Wisconsin  
2015 - 08/2018 Co-Lead, PNP Journal Club and Educational Series, Critical Care, Pediatrics, Medical College of Wisconsin  
2016 - Present Member, PNP Representative, Fellow Clinical Competency Committee, Critical Care, Pediatrics, Children's Wisconsin/ Medical College of Wisconsin  
2019 - Present Member/ PNP Representative, Research Operations Committee (CCROC), Critical Care, Pediatrics, Medical College of Wisconsin

**Hospital**

2016 - 2022 Member, Medication Reconciliation Committee, Pediatrics, Children's Hospital of Wisconsin  
2017 - 2022 Member, Respiratory Failure Team, Pediatrics, Children's of Wisconsin  
2018 - Present Member, 24 Hour Readmission to PICU Committee, Critical Care, Pediatrics, Children's Wisconsin  
2019 - Present Member, PICU Code Committee, Critical Care, Pediatrics, Children's Wisconsin  
2019 - 2020 Member, PICU Intra-PICU Transfer Workgroup, Critical Care, Pediatrics, Children's Wisconsin  
07/2023 - Present Member, CLOT Workgroup, Critical Care, Pediatrics, Children's Wisconsin  
07/2023 - Present Member, Surgical Home Workgroup, Critical Care, Pediatrics, Children's of Wisconsin

**EXTRAMURAL TEACHING:**

**Graduate Student Education**

2015 - Present Marquette University, Acute Care Pediatric Nurse Practitioners  
2019 - Present Marquette University, Preceptor - Acute Care Pediatric Nurse Practitioner Students

**Continuing Medical Education**

07/2015 - Present Medical College of Wisconsin/Children's Hospital of Wisconsin, Instructor - Pediatric Fundamental of Critical Care Support (PFCCD)

**COMMUNITY SERVICE ACTIVITIES:**

11/2021 - Present Be The Match/NMDP Advocacy

## **BIBLIOGRAPHY**

### **Refereed Journal Publications/Original Papers**

1. Prakadeshwari Rajapreyar, Jenny Andres, Christina Pano, Khris O'Brien, Alyssa Matuszak, Katie McDermott, Matt Powell, Kathy Murkowski, Mary Kasch, Stacey Hay Tara L. Petersen, Rainer Gedeit, Martin Wakeham. Development of a Standardized Clinical Assessment and Management Plan for Pediatric Acute Respiratory Distress Syndrome Journal of Pediatric Intensive Care. 01/09/2021

### **Non-Refereed Journal Publications/Original Papers**

1. Greenley RN, Stephens M, Doughty A, Raboin T, Kugathasan S. Barriers to adherence among adolescents with inflammatory bowel disease. Inflamm Bowel Dis. 2010 Jan;16(1):36-41.
2. Greenley RN, Doughty A, Stephens M, Kugathasan S. Brief report: development of the inflammatory bowel disease family responsibility questionnaire. J Pediatr Psychol. 2010 Mar;35(2):183-7.

### **Abstracts**

1. Greenley RN, Doughty A Medication Adherence and Barriers to Adherence Among Teens with Inflammatory Bowel Disease .
2. Matuszak A, Rajapreyar P, Wakeham M, Failed Conventional Mechanical Ventilation in Severe Pediatric ARDS: A Single Center Experience, SCCM Brief, January 2021