

Sara E. Jandeska, MD

Office

Rush University Children's Hospital
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Professional Summary

Director of pediatric nephrology service in major metropolitan medical center with ten years' experience in providing state-of-the-art care for medically complex patients. Oversees operation of in-house pediatric dialysis unit and renal transplantation program. Innovative creator of operational solutions, curricula for interdisciplinary education, and research studies.

Education

University of Wisconsin, Madison, WI
BS, Natural Sciences, Major: genetics, June 1995

Rush Medical College, Chicago, IL
MD, June 2001

Post Graduate Medical Training

Riley Hospital for Children, Indianapolis, IN
Pediatrics Internship, July 2001-2002

University of Chicago Hospital for Children
Pediatrics Residency, August 2002-July 2004

Children's Memorial Hospital, Chicago, IL
Pediatric Nephrology Fellowship, August 2004-September 2007

Hospital for Sick Children, Toronto, ON
Sabbatical, Pediatric Renal Transplantation, May 2008-August 2008

Academic Faculty Appointments

Assistant Professor, Department of Pediatrics,
Section of Pediatric Nephrology
Rush University Medical Center, Chicago, IL
October 2007-present

Professional Appointments

Pediatric Nephrology Attending
Rush Children's Hospital
October 2007-September 2011

Director, Pediatric Dialysis
Rush Children's Hospital, Chicago, IL
May 2008-November 2012, September 2014-present

Section Head, Division of Pediatric Nephrology
John H. Stroger, Jr. Hospital of Cook County, Chicago, IL
January 2009-present

Pediatrics Chair, Utilization Management
Rush Children's Hospital, Chicago, IL
June 2011- June 2013

Section Head, Section of Pediatric Nephrology
Rush Children's Hospital, Chicago, IL
October 2011- current

Medical Director, Pediatric Renal Transplantation
Rush University Medical Center, Chicago, IL
January 2013- present

Board Certification

American Board of Pediatrics Nephrology Subspecialty Certification,
June 2008

American Board of Pediatrics Certification, October 2004; recertification
December 2014

Licensure

Illinois Professional Medical License, 2014

Honors and Awards

Herbert T. Abelson Senior Research Project Award, 2004
*Awarded by the Department of Pediatrics at the University of Chicago Hospital for
Children—epidemiologic survey of unintentional scald burns in US children, 2001-2003*

Travel Grant, University of Miami Miller School of Medicine
Renal Week Colloquium, 2006

Finalist, Global Pediatric Innovation Summit, Boston Children's Hospital,
October 2015

Castle Connolly Top Doctor, Pediatric Nephrology, 2015

Heal the Children Grant recipient, May 2016

Professional Societies

American Association of Pediatrics, Fellow, 2004-present

American Society of Pediatric Nephrology, member, 2007-present

- Clinical Affairs/Practice Management committee

International Society of Pediatric Nephrology, member, 2010-present

Midwest Pediatric Nephrology Consortium, member, 2010-present

- Transplant committee

International Society of Pediatric Transplantation, member, 2013-present

NAPRTCS, member, 2016-present

Renal Network

- board member of the Patient Advisory Council, 2017-present

Scientific Reviewer Activities

American Journal of Nephrology, manuscript reviewer, 2004-2007

American Journal of Pediatric Cardiology, manuscript reviewer, 2007-2009

Pediatric Academic Societies' Annual Meeting, abstract reviewer, 2017

Educational Activities

Curriculum Development

Power Point Lectures for Pediatric Dialysis Staff

Developed formal lectures essential for dialysis nursing: Clearance, Anemia, Metabolic Bone Disease of CKD, Fistula Access, Peritonitis

Pediatric Renal Transplant Protocols

Developed formal documentation for: Pre-transplant evaluation including vaccinations, patient-specific transplant protocols (used pre, post transplant during hospitalization), order sets for pre- and post- transplant care (comprehensive, including immunosuppression, fluid management, nursing orders), immunosuppression protocols, protocols for acute cellular and humoral rejection, post-transplant antimicrobial prophylaxis, post-transplant monitoring and outpatient medical management

Pediatric Dialysis Policies and Procedures

Formally evaluated and approved by IDPH during review

Mock Code: hyperkalemia

Mock code scenario developed for use in pediatric dialysis unit with simulation lab staff

Pediatric Dialysis Patient Online Survey

Developed a survey monkey for older children to provide feedback of their dialysis experience in our unit—provides granular data on satisfaction with staff, health, quality of life, academic achievement

LEAP online module: “Pediatric Renal Transplantation”

Developed teaching module for pediatric nurses to understand medical issues, goals of care, and medication requirements of the post-operative kidney transplant patient

Pediatric Hyperkalemia order set

Order set and algorithm developed for pediatric dialysis unit

Cyclophosphamide for Non-Oncologic Application order set

Order set and algorithm developed for pediatric institutional use

Rituximab for Non-Oncologic Application order set

Order set and algorithm developed for pediatric institutional use

Mentoring Activities

Research

“Use of Speckle Tracking Echocardiography in Patients with Chronic Kidney Disease”

Role in project: co-Pi, mentor to Maytham Al-Kubaisi
Sponsor: Clinical Sciences Masters’ Program, Rush University
2015-present

“Transitioning Care of Pediatric Transplant Patients to the Adult Transplant Service”

Role in project: mentor to Colleen Tapia, NP student
2016-present

Presentations

“High’ Blood Pressure”

Katie Kaenchumkorn, pediatrics resident, Rush University Medical Center

Mentor for oral presentation of case at Pediatric Hospitalist Annual Meeting, Chicago 2016

“A Case of Autism and Multiorgan Failure—Sanfilippo Syndrome”

Meng Zheng, medical student, Rush University

Mentor for poster presentations at Pediatric Hospitalist Annual Meeting, Chicago 2016 and University of Florida Pediatric Medical Student Research Forum, Miami 2016

Research

“An Open-Label, Randomized, Parallel Group Study to Assess the Safety and Efficacy of Hectorol in Pediatrics Patients with Chronic Kidney Disease Stages 3 and 4 with Secondary Hyperparathyroidism Not Yet on Dialysis”

Role in project: co-PI

Sponsor: Sanofi Pharmaceuticals

“Acute Kidney Injury Resulting from Vancomycin and Piperacillin/Tazobactam Combination Therapy”

Role in project: co-PI

Sponsor: Rush University Children’s Hospital

“Chronic Kidney Disease in Offspring of Diabetic Gestation: prospective analysis”

Role in project: PI

Sponsor: Heal the Children Grant, Department of Pediatrics

“A Randomized, Open-label, Controlled Study to Assess the Efficacy and Safety of Cinacalcet HCl in Pediatric Subjects With Secondary Hyperparathyroidism and Chronic Kidney Disease Receiving Dialysis”

Role in project: PI, consultant

Sponsor: Amgen Pharmaceuticals

“Bortezomib for Pediatric Antibody Mediated Rejection”

Role in project: participant in multicenter study through Midwest Pediatric Nephrology Consortium

Study premise: evaluating efficacy of bortezomib in treatment of kidney transplant patients with bortezomib

“Donor-Specific Antibodies (DSA) monitoring in Pediatric Renal Transplantation”

Role in project: co-PI of multicenter study through Midwest Pediatric Nephrology Consortium

Study premise: monitoring DSA, rejection, and GFR to evaluate relationship between DSA and clinical outcome

Patents

Provisional US Patent Application 62/286,748

“Apparatus and Method for Preparation of an Anhydrous Peritoneal Dialysis Solution”

Poster Presentations

May 1996	Society of Investigative Dermatology Annual Meeting: “Development of an Animal Model for Cutaneous T Cell Lymphoma”
June 1996	Lurie Cancer Center Annual Poster Conference, Northwestern University Medical School: “IL-12 Gene-Modified Melanoma Cells Reduce Autologous Tumor Growth in Vivo”
October 1996	Lurie Cancer Center Schweppe Colloquium, Northwestern University Medical School: “Interferon-alpha Resistance in Cutaneous T Cell Lymphoma Is Associated with Specific Inhibition in the Jak-Stat Signal Transduction Pathway”
July 2006	European Society for Pediatric Nephrology annual meeting: HW Schnaper, EE Sparks, SC Hubchak, S Jandeska, JF Curley and T Hayashida, “Multiple cytoskeletal events are critical for intracellular signals that mediate transforming growth factor (TGF)-beta-stimulated fibrogenesis”
May 2013	American Society of Pediatric Nephrology Annual Meeting, Boston: Jandeska S, Chand D, Center for Maternal Fetal Medicine. “Antenatal Ultrasound Can Predict Congenital Ureteropelvic Junction Obstruction”

Invited Presentations

May 2005	Children’s Memorial Hospital, Scholarship Recognition Day: “Smad3 Phosphorylation in Renal Fibrogenesis Is Mediated by TGF-B”
May 2006	Children’s Memorial Hospital, Scholarship Recognition Day: “FAK-Mediated ERK Phosphorylation Requires p21-Activated Kinase (PAK) in Human Kidney Mesangial and Epithelial Cells”
June 2006	Children’s Memorial Hospital, Mortality and Morbidity Conference: “Evidence Based Review of Anticoagulation in Pediatric Kidney Transplantation”
November 2006	Northwestern University Medical School Laboratory Colloquium: “Does p21-Activated Kinase Play a Role in Renal Fibrosis?”
January 2009	Rush Children’s and Cook County Hospitals, Grand Rounds: “Diagnosing Hypertension in Children with Ambulatory Blood Pressure Monitors”
May 2010	St. Anthony Hospital, Grand Rounds: “Diagnosing Hypertension in Children with Ambulatory Blood Pressure Monitors”
August 2012	Comer Children’s Hospital, Grand Rounds: “Hemolytic Uremic Syndrome in Children”
November 2013	Rush Children’s and Cook County Hospitals, Grand Rounds: “Kidney Transplantation for the General Pediatrician”
November 2015	Global Pediatric Innovation Summit, Boston Children’s Hospital “Pediatric Dialysis in Developing Nations: an innovation for the underserved”

May 2016

Expert Panel, Nephrotic Syndrome Symposium of the Nephcure Kidney International Symposium Series, Chicago

October 2016

Thirtieth Rush University Transplant Symposium, Oral Presentation: "Pediatric Kidney Transplantation"

Peer-Reviewed Publications

1. Guo Z, Chong AS, Jandeska S, Sun WH, Tian Y, Podlasek W, Shen J, Mital D, Jensik S, Williams JW. Gene gun-mediated gene transfer and expression in rat islets. *Transplantation Proceedings*. 29(4): 2209-10, 1997 June.
2. Sun, WH, Pabon C, Alsayed Y, Jandeska S, Uddin S, Platanius LC, Rosen ST. Interferon-alpha Resistance in a cutaneous T Cell Lymphoma Cell Line Is Associated with Loss of STAT1 Protein. *Blood*. 91(2): 570-6, 1998 Jan 15.
3. HW Schnaper, EE Sparks, SC Hubchak, S Jandeska, JF Curley and T Hayashida Multiple cytoskeletal events are critical for intracellular signals that mediate transforming growth factor (TGF)-beta-stimulated fibrogenesis. European Society for Pediatric Nephrology annual meeting, 2006
4. Schnaper HW, Jandeska S, Runyan CE, Hubchak SC, Basu RK, Curley JF; Smith RD, Hayashida T. TGF-beta signal transduction in chronic kidney disease. *Frontiers in biosciences*. 14: 2448-65, 2009.
5. Section III, Chapter 31: "Dialysis" and "Section III, Chapter 31: Renal Physiology" in *Pediatric Acute Care*, Jones and Bartlett, Philadelphia, 2011
6. Kizilbash SJ, Claes D, Ashoor I, Chen A, Jandeska S, Bou Matar R, Misurac J, Sherbotie J, Twombly K, Verghese PS. Bortezomib in the Treatment of Antibody-mediated Rejection in Pediatric Kidney Transplant Recipients: A Multicenter Midwest Pediatric Nephrology Consortium Study. *Pediatric Transplantation*, in press.

Community Service

Pilsen Homeless Health Services, steering committee member, 1999-2001

National Kidney Foundation of Illinois, patient screening and outreach at Progressive Baptist Church, March 2005

National Kidney Foundation of Illinois, Kidney Walk
June 2014, June 2015, June 2016