DEPARTMENT OF PEDIATRICS
2008-2009 ANNUAL REPORT
SAINT LOUIS UNIVERSITY SCHOOL OF MEDICINE
Welcome
Welcome to the Annual Report of the Department of Pediatrics at Saint Louis University School of Medicine

This has been a very successful year for the Department of Pediatrics at Saint Louis University School of Medicine with regards to development of clinical programs, recruitment and teaching.

In the area of new faculty recruitment, we welcome David Wathen and Beth Sugarbaker in General Academic Pediatrics. In Cardiology we were joined by Kalyani Trivedi, Jamie Sutherell, and Renuka Peterson. Nadim Kanafani joined the Endocrinology division and Ajay Jain joined the GI division. The division of Pediatric Emergency Medicine was joined by former chief resident Kathy Lehman-Huskamp and Michael Zahra returned from Miami to take a faculty position in Pediatric Critical Care. Kim Twymann returned from South Carolina to join the Knights of Columbus Developmental Center and Kevin Powell joined the Division of Pulmonary Medicine.

With regards to clinical programs, we have opened the Dorothy and Larry Dallas Heart Center on the ground floor of the new West Tower. We continue to grow in a number of areas such as outreach clinics, the emergency department and the autism program. Under Dr. Paruthi’s leadership the sleep lab has been upgraded to a Pediatric Sleep and Research Center and received full accreditation from the American Academy of Sleep Medicine on August 14, 2009. The weight management program has also been reorganized under Dr. Kanafani’s leadership.

Our education programs continue to be developed. Pediatrics is a popular rotation with medical students and we have accommodated the increase in class size (with some challenges to be overcome). The Pediatric Residency program is ably led by Drs. Sallee, Doerhoff, and Brooker. The residency review committee (RRC) gave us a positive report and 3 year accreditation. Simulation has been a growing area for us. The SLU Simulation Center is directed by our own Dr. Tony Scalzo and we are using it to teach medical students, residents, nurses and military personnel (through the C-STARs contract).

Our growth in research has been affected by the reduced funding available from the NIH. This is affecting all schools of medicine. We continue to have 8 active basic science labs and our principal investigators are having a fair degree of success with funding. We were saddened by the sudden demise of Terry Leet, PhD who passed away April 29, 2009. Terry was the PI for the National Children’s Study and a search is in progress for a new PI for the St. Louis site. In March we held the third Pediatric Science Days and the visiting professor was Alan Jobe from Cincinnati. Joyce Koenig organized a very full and interesting program.

Administratively the department continues to be stable. It enjoys great relationships with Cardinal Glennon Children’s Medical Center and SLU School of Medicine. Dr. Sue Heaney and Dr. Gary Albers are the Vice-President of Medical Affairs and the Medical Director of the Ambulatory Care Center respectively. Dr. Tim Fete left to become Chair of Pediatrics at the University of Missouri so we are searching for a new Director of General pediatrics. The hospital has been making progress with recruitment in other departments and it has been good to witness the growth in pediatric surgery, radiology and otolaryngology.

—Robert W. Wilmott, MD
IMMUNO Professor and Chair
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Division of Adolescent Medicine
Introduction and Description

The Division of Adolescent Medicine continues to grow and offer a diversity of services to the adolescent population of the St. Louis region. The division’s goals are to improve the health of adolescents in the St. Louis region as well as educate health care providers about adolescent health issues.

Clinical services are provided at the Cardinal Glennon Children’s Medical Center location on a daily basis. These services include care for all health issues with a focus on high-risk behaviors, gynecological evaluation and treatment, and care of teens with chronic illness. The Eating Disorder Program has grown over the past year and offers care for individuals as young as 8 years old through adolescence. Linda Shofner, MSN, RN, PMHCNS-BC, Nancy Lawson, RD, and Marian Hartung, LCSW, collaborate in the program. This program serves both inpatients and outpatients with eating disorders. Dr. Dunstan provides ongoing medical care to the youths at two Division of Youth Services facilities: Missouri Hills and Hogan Street. Dr. Marianne Dunstan, Dr. Meghan Guerra, Dr. Victoria Cornelius, and Jenny Furtak, RN, CPNP provide coverage for adolescent inpatients and consultations and for the general Adolescent Clinic and the Eating Disorders Clinic.

The division provides educational opportunities to medical students and residents. Each intern of the Pediatric Residency program and each 2nd year Internal Medicine/Pediatrics Resident program spends a month with the division. Sites for education include: Adolescent Clinic, Eating Disorders Clinic, Sports Medicine Clinic, and Weight Management Clinic. Each resident visits a Division of Youth Services facility where primary medical care is provided by Dr. Marianne Dunstan, and McKendree College with Dr. Jay Noffsinger.

Faculty Profile

Victoria Cornelius, MD, Associate Professor Pediatrics and Internal Medicine
Research Interests: Alternative medicine, nutrition, weight management
Board Certification: Pediatrics; Adolescent Medicine; Internal Medicine
Medical College: University of Louisville Medical School
Residency: Saint Louis University School of Medicine, Internal Medicine and Pediatrics

Marianne Dunstan, MD, Assistant Clinical Professor
Research Interests: Parenting of teens, growth and development, normal puberty
Board Certification: Pediatrics
Medical College: Saint Louis University School of Medicine
Residency: Saint Louis University School of Medicine, Cardinal Glennon Children’s Hospital

Meghan Guerra, MD, Clinical Instructor
Research Interests: Normal growth and development, Obesity, Eating disorders, Menstrual disorders
Board Certification: Pediatrics
Medical College: Saint Louis University
Residency: Saint Louis University School of Medicine, Cardinal Glennon Children’s Hospital
Staff

Jenny Furtak, RN, CPNP, Certified Pediatric Nurse Practitioner

Interests: Gynecology, Sexually transmitted diseases, Eating disorders
Certification: Pediatric Nurse Practitioner
College: University of Missouri, Columbia

Theresa Forsythe, Medical Secretary

Presentations

Jenny Furtak, RN

Introduction and Description

Service Overview
The Allergy/Immunology Division in the Department of Pediatrics provides clinical care of allergic and immunologic diseases, including:

- Asthma
- Allergic conjunctivitis
- Urticaria/angioedema
- Eosinophilic esophagitis/gastroenteritis
- Latex allergy
- Anaphylaxis
- Allergic bronchopulmonary aspergillosis
- Sinusitis, fungal sinusitis
- Acquired immunodeficiency diseases, e.g. PAIDS
- Allergic and non-allergic rhinitis
- Atopic dermatitis (eczema)
- Food allergy
- Drug allergy
- Adverse reaction to vaccines
- Insect allergy
- Hypersensitivity pneumonitis
- Congenital immunodeficiency diseases

Special Services

Immunodeficiency Clinics. The immunodeficiency program at Cardinal Glennon Children’s Medical Center is a referral center for the Jeffrey Modell Foundation (JFM) and Immunodeficiency Foundation (IDF). The Immunodeficiency Treatment Clinic is located in Hall 4 to treat immunodeficiency patients. The Division works with the Bone Marrow Transplantation Division in transplantation of severe T-cell immunodeficiencies. We are a center in an NIH sponsored Primary Immunodeficiency Disease Transplantation Consortium headed by Dr. Mort Cowan at University of California San Francisco.

Allergy Challenge Clinic. The Allergy/Immunology Division has developed special clinics to perform food and drug challenges to evaluate for these allergic diseases.

Asthma Center for Children. The Divisions of Allergy/Immunology and Pulmonology formed an Asthma Center to provide care for pediatric asthma patients.

A/I Fellowship Training Program. The Pediatric and Internal Medicine Allergy/Immunology Divisions provides an Allergy/Immunology Fellowship Training Program. In addition, the Division regularly provides electives for Pediatric residents and medical students. Division members are active in the AAAA/I serving on committees, presenting talks and abstracts.

Clinical Immunology Laboratory. The Allergy/Immunology Divisions maintains a Clinical Immunology Laboratory as a reference laboratory to Pathology that is CAP and CLIA certified. The Laboratory performs diagnostic cellular functional studies, including lymphocytes proliferation, cellular cytotoxicity and cytokine synthesis. In addition, specialized studies to analyze T-cell signaling, CD40L expression and NBT are available.

Community Service. Division members are active in the St. Louis Regional Asthma Consortium, the American Lung Association of Missouri, and the Asthma and Allergy Foundation, St.
Division of Allergy/Immunology

Louis Chapter. We also coordinate a St. Louis site for the ACAAI National Asthma Screening, this year for the St. Louis Cardinals Redbird Rookies, Busch Stadium, June 21, 2008.

Faculty Profiles

**Bradley A. Becker, MD, FAAAAI,** Associate Professor of Pediatrics, Co-Director of Asthma Center for Children

**Research Interests:** Asthma, allergic rhinitis, sinusitis, atopic dermatitis, drug allergy, food allergy, immunodeficiency disorders

**Board Certification:** Pediatrics; Internal Medicine; Allergy & Immunology

**Medical College:** Loyola University of Chicago Stritch School of Medicine

**Residency:** University of Tennessee College of Medicine

**(Combined Pediatrics and Internal Medicine)**

**Fellowship:** University of Pennsylvania/Children’s Hospital of Philadelphia

**Alan P. Knutsen, MD, FAAAAI,** Professor of Pediatrics, Director of the Division of Allergy/Immunology

**Research Interests:** Allergic bronchopulmonary aspergillosis, immunodeficiency disorders, food allergy, asthma, sinusitis

**Board Certification:** Pediatrics; Allergy & Immunology

**Medical College:** Saint Louis University School of Medicine

**Residency:** Saint Louis University School of Medicine, Cardinal Glennon Children's Hospital

**Fellowship:** NIH Training Grant, Duke University Medical Center, Durham, NC

**Manoj R. Warrier, MD, FAAAAI,** Assistant Clinical Professor

**Board Certification:** Pediatrics; Internal Medicine; Allergy & Immunology

**Medical College:** Saint Louis University School of Medicine

**Residency:** Saint Louis University Combined Internal Medicine/Pediatrics

**Fellowship:** Saint Louis University

Allergy/Immunology Fellows

**Kevin Dooms, MD**

Fellowship: July 1, 2007 to June 30, 2009

Future plans: private practice in Bellingham, WA

**Theresa R. Jordan, MD**

Fellowship: July 1, 2008 to June 30, 2010

**Douglas R. Lotz, MD**

Fellowship: July 1, 2008 to June 30, 2010

**Kim Waterhouse, MD**

Fellowship: July 1, 2009 to June 30, 2011

Allergy/Immunology Research Nurse/Coordinator

**Wendy Sanders, RN**

Publications


Division of Allergy/Immunology


Knutsen AP. Cartilage hair hypoplasia. Emedicine 2009, May 19.


Abstracts


Honors and Other Academic Activities

Bradley A. Becker, MD
Journal Reviewer

Committees

AAAAI
Quality Care for Asthma Committee, 1997-present
Anaphylaxis Committee, 2007-present
American Lung Association of the Central States
Asthma Educators Certification Course, Planning Committee and Faculty, 1998-present
AAFA, Saint Louis Chapter
Programming Committee, 2007-present

Alan P. Knutsen, MD
Editorial Board

Current Pediatric Review
eMedicine – Pediatric Allergy & Immunology Section
Journal of Allergy
Pediatric Asthma Allergy Immunology
The Open Pediatric Medicine Journal
Division of Allergy/Immunology

Journal Reviewer
American Journal of Respiratory and Critical Care Medicine
Chest
Clinical Immunology
Journal of Allergy and Clinical Immunology
Journal Clinical Investigation
Journal of Pediatrics
Medical Mycology
Pediatric Asthma Allergy Immunology
Pediatric Infectious Disease Journal
Pediatric Pulmonology

Communications Committee, 2007-08

Committees
AAAA&I
Allergic Bronchopulmonary Aspergillosis Committee, 2001-present
Member AAAA/I Training Program Directors
In-Service AAAA/I Training Examination; 2005-present
Allergic Fungal Lung Diseases Task Force, 2009-2010

Clinical Immunology Society
Communications Committee, 2007-2008
Jeffrey Modell Foundation Referral Center, 2007-present
Council for Primary Immune Deficiency Diseases, 2008-present

Presentations
Bradley A. Becker, MD
Childhood Asthma and Allergic Disorders, Physician Assistant Student Lecture, Saint Louis University Allied Health Building, St. Louis, MO, November 4, 2008.
Food Allergy in Children, St. Anthony’s Medical Center, Department of Pediatrics, St. Louis, MO, April 21, 2009.

Alan P. Knutsen, MD
Immunodeficiency Work-up for the Community Pediatrician Prior to Immunology Referral, Hannibal Regional Hospital Pediatric Grand Rounds, Hannibal, MO, November 14, 2008.
Pulmonary Disease Impact on Stem Cell, Louisiana State University/Jeffrey Modell Foundation Center Conference, New Orleans, LA, November 21, 2008.

Grants
Genentech/Novartis
1-1-09 to 12-31-09
Alan P. Knutson - Principal Investigator
Alternaria antigens in mold-sensitive asthmatic patients with moderate to severe persistent asthma.

Novartis
4-1-09 to 3-31-2011
Alan P. Knutson - Principal Investigator (site)
A 2 year Prospective, Multi-Center, Observational and Epidemiologic Outcomes Study of the Disease Course and Unmet Needs in Children with Symptomatic Moderate to Severe Allergic Asthma (BUS)

Ryan White Title IV
8-1-08 to 7-31-09
Alan P. Knutson - Coordinating Institution Co-Investigator
Project ARK (AIDS/HIV Resources for KIDS)
Division of Allergy/Immunology

**Genentech**
9-21-2004 - on-going
Alan P. Knutsen - Principal Investigator (site)

**CSL**
7-11-2006 to 12-28-2008
Alan P. Knutsen - Principal Investigator (site)
A phase IV trial evaluating health related quality of life and serious bacterial infections in subjects with primary immunodeficiency disorder (PI) treated with SQGG following conversion from IVIG.

**ZLB Behring, AG**
11-7-2006 to 12-1-2008
Alan P. Knutsen - Principal Investigator (site)
A phase III open-label, prospective, multicenter study of the efficacy, tolerability, safety, and pharmacokinetics of immune globulin subcutaneous (human), IgPro20 in subjects with primary immunodeficiency disorder (PIID). This is an extension study examining the efficacy and safety of a new intravenous gammaglobulin in persons with B-cell immunodeficiency.

**MAP Pharmaceuticals, Inc**
2-5-2008 to 1-31-2010
Alan P. Knutsen - Principal Investigator (site)
A randomized, double blind, placebo controlled, parallel group, dose ranging study investigating the safety and efficacy 12 weeks of MAP0010 in asthmatic infants and children 6 months to 8 years of age. This study examines the use of a new nebulized form of budesonide in children with asthma.
Division of Pediatric Cardiology

Introduction and Description

The Division of Cardiology provides patient care, medical student and resident teaching, and research opportunities related to cardiovascular diseases in neonates, children, adolescents and adults with congenital and acquired heart disease. In addition, fetal cardiology services are provided with support from Neonatology, Perinatology and Cardiovascular Surgery.

The Dorothy and Larry Dallas Heart Center opened January 13, 2009, making the outpatient experience at Cardinal Glennon more accessible and friendly for patients and more efficient for our physicians and staff. The Dallas Heart Center will allow more than 23,000 visits and procedures to be performed at Cardinal Glennon each year. Radiology and laboratory facilities are located adjacent to the new space, centralizing cardiology care within the medical center.

Patient care encompasses initial evaluation and follow-up in the outpatient clinic at Cardinal Glennon Children’s Medical Center. These clinics are held on a daily basis. In addition, outreach clinics provide services to other areas in central and eastern Missouri and southern Illinois, providing pediatric cardiology support to those areas that are without local expertise. Procedures performed in the Cardiac Catheterization Laboratory include diagnostic catheterizations as well as the complete spectrum of interventional and therapeutic procedures, including balloon valvuloplasties and device closure of anatomic defects. Outpatient pacemaker and electrophysiology services are also provided, as well as electrophysiologic studies and catheter ablation procedures. Inpatient services include management of patients admitted with congenital and acquired cardiac conditions, cardiac consultation, and post-operative management of congenital heart disease. The Cardiac Transplantation Service evaluates patients for transplantation and manages these patients before and after cardiac transplantation. Specialized clinics caring for patients with lipid disorders and adults with congenital heart disease also exist.

Teaching of introductory pediatric cardiology is provided by cardiology faculty and includes education of medical students, interns, residents and community physicians. The division also provides education to nurses and other allied health providers. Teaching settings include inpatient rotations and daily ward rounds, outpatient clinics, and didactic lectures.

Clinical and translational research projects are a focus of the Cardiology Division, and the faculty have been active in producing abstracts leading to regional and national presentations, as well as published manuscripts in peer-reviewed journals. Faculty members work closely with students and residents who are interested in carrying out clinical research projects.

Faculty Profile

Burt I. Bromberg, MD, Director, Children’s Heart Center, St. John’s Mercy Medical Center, Adjunct Professor, Division of Pediatric Cardiology, Cardinal Glennon Children’s Medical Center

Research Interests: Ablation therapy for arrhythmias, genetically based arrhythmias
Board Certification: Pediatrics; Pediatric Cardiology
Medical College: University of South Alabama, Mobile, AL
Residency: Tulane University School of Medicine, New Orleans, LA
Fellowship: C.S. Mott Children’s Hospital, University of Michigan Medical School, Ann Arbor, MI
Su-chiung Chen, MD, Professor Emeritus, Pediatrics

**Research Interests:** Cardiomyopathy in children, genetic heart disease, morphometric study in pulmonary vascular disease

**Board Certification:** Pediatrics; Pediatric Cardiology
**Medical College:** National Taiwan University Medical School
**Residency:** University of Chicago Hospital
**Fellowship:** University of Chicago Hospital

Grace Freire, MD, Assistant Professor of Pediatrics

**Research Interests:** Non-invasive cardiology, echocardiography, imaging, fetal cardiology, 3-D echocardiography, arrhythmias

**Board Certification:** Pediatrics
**Medical College:** Central University of Ecuador School of Medicine Quito, Ecuador
**Residency:** Flushing Hospital Medical Center, affiliated with Albert Einstein College of Medicine, Montefiore Medical Center, NY, NY
**Fellowship:** The Heart Institute for Children; Hope Children’s Hospital, Advocate Christ Medical Center and the University of Illinois.

Saadeh B. Jureidini, MD, Professor of Pediatrics

**Research Interests:** Echocardiography with particular emphasis on assessment of the coronary arteries by echocardiography, pulmonary hypertension, cardiac imaging, interventional cardiology

**Board Certification:** Pediatrics; Pediatric Cardiology
**Medical College:** Baghdad University School of Medicine
**Residency:** American University of Beirut Hospital and King Faisal Specialist Hospital and Research Center
**Fellowship:** Medical College of Georgia

Mohammad Babak Rahimi, MD, Assistant Professor of Pediatrics

**Research Interests:** Echocardiography, stress testing, holter monitoring

**Board Certification:** Pediatrics
**Medical School:** St. George's University, School of Medicine, Basic Sciences Grenada, West Indies
**Residency:** UMDNJ, Robert Wood Johnson Medical School; Robert Wood Johnson University Hospital; St. Peter’s University Hospital, New Brunswick, NJ
**Fellowship:** Pediatric Cardiology, Northshore/LIJ Health System, Schneider Children’s Hospital, New Hyde Park, NY

Kenneth O. Schowengerdt Jr., MD, Wieck-Sullivan Professor of Pediatrics, Director, Division of Pediatric Cardiology

**Research Interests:** Pediatric heart transplantation, study of non-invasive methods of rejection surveillance, myocarditis, mechanisms of cardiac inflammation

**Board Certification:** Pediatric Cardiology
**Medical School:** Saint Louis University School of Medicine, St. Louis, MO
**Residency:** Baylor College of Medicine/Texas Children’s Hospital, Houston, Texas
**Fellowship:** The Lillie Frank Abercrombie Section of Pediatric Cardiology, Baylor College of Medicine, Texas Children's Hospital and Texas Heart Institute, Houston, Texas
Division of Pediatric Cardiology

Kalyani R. Trivedi, MD, Associate Professor of Pediatrics, Division of Pediatric Cardiology

Research Interests: Interventional cardiac catheterization, echocardiography, cardiac devices
Board Certification: Pediatrics; Pediatric Cardiology
Medical School: Government Medical College, South Gujarat University, Surat, India
Smt. N.H.L. Municipal Medical College, Gujarat University, Gujarat, India
Residency: KM School of Post Graduate Medicine, Gujarat University, Ahmedabad, India
Babies & Children’s Hospital of New York Columbia Presbyterian Medical Center New York, NY
Fellowship: (Pediatric Cardiology) Babies & Children’s Hospital of New York, Columbia Presbyterian Medical Center, New York, NY
(Pediatric Interventional Cardiology) Hospital for Sick Children, Toronto, Canada

Academic Secretaries
Mary Kay Thompson, Medical Secretary
Shelly Ayers, Medical Secretary

Cardiology Clinic Support Staff
Sue Yates, Cardiology Manager
Michael Czajka, RN, MSN
Donna Marshall, RN
MaryPat Spillane, RN
Pam Ameis, RN
Jodie Hundly, RN
Shannon Holloran, RN
Barbara Stewart
Kim McHenry
Cheryl Doeschot
Crystal Goff
Elaine Mastin
Tara Hollins

Cardiac Catheterization Laboratory
Kathy Tinker, LPN
Lisa Bade, RT

Echo Lab
Cindy Marino, RDCS
Chrissy Seithel
Lisa Hohmann
Ermina Keric
Joel Rhodes

PACS Coordinator
Dave Bash, RT
Division of Pediatric Cardiology

Research Highlights
Su-chiung Chen MD: Prognosis, risk factors and treatment strategies in survival of patients with cardiomyopathies
Grace A. Freire MD: 1. Selective up regulation of activator protein-1 in heart failure due to chronic volume overload in rats; 2. Accelerated idioventricular rhythm in newborns
Saadeh B. Jureidini MD: 1. Assessment of the coronary artery normal flow dynamics by Doppler echocardiography and abnormal variations in the coronary artery in congenital and acquired heart disease; 2. Effect of thrombolysis on clots in the heart and great vessels; 3. Pulmonary hypertension and its influence on the pulmonary artery pulsatility and size as assessed by echocardiography; 4. Interventional cardiology techniques
M. Babak Rahimi MD: Heart Rate Variability and QTc prolongation in HIV infected pediatric patients.
Kalyani R. Trivedi MD: Cardiac devices and interventional cardiology

Publications

Honors and Other Academic Activities
Kenneth Schowengerdt, MD
Best Doctor’s in St. Louis, 2007-2009
Journal Reviewer
Journal of Heart and Lung Transplantation
The Journal of Pediatrics
European Journal of Echocardiography

Presentations
Burt Bromberg, MD
Screening Newborns for Heart Disease: The Role of Pulse Oximetry, Resident Noon Conference – 07/29/08 – Cardinal Glennon Children’s Medical Center.
Evaluating Syncope: Searching for the Needle in the Haystack, SLU Pediatric Practical Pediatric – 11/19/08 – Cardinal Glennon Children’s Medical Center.
Screening ECGs: The Good, The Bad and The Ugly, SLU Pediatric Grand Rounds – 12/17/08 – Cardinal Glennon Children’s Medical Center.
Proarrhythmic Effect of Noncardiac Drugs, Resident Noon Conference – 01/13/09 – Cardinal Glennon Children’s Medical Center.

Grace Freire, MD
Congestive Heart Failure, Resident Noon Conference – 09/30/08 – Cardinal Glennon Children’s Medical Center.
Division of Pediatric Cardiology

**Saadeh Jureidini MD**
The Hybrid Procedure in the Management of Neonates with Large Left Ventricular Tumours. Oral presentation at the 32nd Annual Midwest Pediatric Cardiology Society meeting, Minneapolis, MN September 25 – 26, 2008.

*What can the Interventional Cardiologist do to Help Kids with Heart Disease?*, Talk for Pre-Med Students at SLU 07/17/08.

*Kawasaki Disease*, Resident Noon Conference 11/24/08 – Cardinal Glennon Children’s Medical Center.
Quarterly Cath Lab Update to Resident 12/15/08 – Cardinal Glennon Children’s Medical Center.
Quarterly Cath Lab Update to Resident 03/25/09 – Cardinal Glennon Children’s Medical Center.

*ECG Interpretation*, Resident Noon Conference 05/14/09 – Cardinal Glennon Children’s Medical Center.

*Heart Murmurs*, Resident Noon Conference 06/02/09 – Cardinal Glennon Children’s Medical Center.
Quarterly Cath Lab Update to Residents 06/09/09 – Cardinal Glennon Children’s Medical Center.

**Babak Rahimi, MD**

*Acyanotic Heart Defects*, Resident Noon Conference – 08/08/08 – Cardinal Glennon Children’s Medical Center.

*Cardiac Emergencies in Pediatric Practice*, Resident Noon Conference – 02/13/09 – Cardinal Glennon Children’s Medical Center.


**Kenneth Schowengerdt, MD**

*Chest Pain and Syncope in Childhood*, Fifth Annual Regional Pediatric Symposium of the Black Hills, Rapid City, SD, June 2008.

*Syncope*, Resident Noon Conference – 10/29/08 – Cardinal Glennon Children’s Medical Center.

*Chest Pain in Childhood and Adolescence*, SLU Pediatric Grand Rounds - 11/05/08 – Cardinal Glennon Children’s Medical Center.

*Pulmonary Hypertension*, Resident Noon Conference – 06/10/09 – Cardinal Glennon Children’s Medical Center.

**Grants**

*NIH ROI*

Kenneth O Schowengerdt Jr., MD Co-Investigator (0.1 FTE)
Neutrophil Apoptosis and Neonatal Inflammation

*Children’s Heart Foundation* September 1, 2006 – August 31, 2008 $140,000 (Total)

Kenneth O Schowengerdt, Jr., MD – Principle Investigator
The Role of Neutrophil-Derived Factors in the Pathogenesis of Cardiac Allograft Vasculopathy
Division of Child Protection

Introduction and Description

The Division of Child Protection utilizes a multidisciplinary approach while providing expert assessment of victims and suspected victims of child maltreatment including physical abuse, sexual abuse, and neglect. Both inpatient and outpatient consultative services are provided at Cardinal Glennon Children’s Medical Center. Outpatient clinical services are also provided through the St. Clair County Child Advocacy Center. Expert medical consultation and testimony is provided to the legal community.

Educational responsibilities include medical students and faculty at Saint Louis University School of Medicine as well as residents, fellows, and staff at Cardinal Glennon Children’s Medical Center. Educational opportunities are available to the medical, legal, child protective services, and law enforcement communities. Education and crisis intervention are provided to families on a regular basis.

Faculty Profile

Karen Bly, RN, BSN, MA, Med, Nurse Counselor

Nursing School: Vanderbilt University  
Graduate School: Webster College, UMSI

Cara Christianell, MSN, RN, CPNP, Nurse Practitioner, Clinical Instructor, Department of Mental Health, Family, Community, and Systems Nursing

Research Interest: Child sexual abuse  
Board Certification: Pediatric Nursing Certification Board

Nursing School: Saint Louis University  
Graduate School: Saint Louis University

Ann DiMaio, MD, Assistant Professor

Research Interest: Child maltreatment, cervical injury  
Board Certification: Pediatrics; Pediatric Emergency Medicine

Medical School: SUNY Health Science Center of Brooklyn  
Residency: The New York Hospital / Cornell Medical Center

Timothy J. Kutz, MD, Associate Professor, Division Director of Child Protection

Research Interest: Child maltreatment, head injury  
Board Certification: Pediatrics

Medical School: University of Missouri-Columbia  
Residency: Loyola University Medical Center

Fellowship: Child Abuse and Neglect. University of Colorado, Children’s Hospital-Denver

Staff

Theresa Forsythe, Medical Secretary
Honors and Other Academic Activities

Cara Christanell, MSN, RN, CPNP
Past President, St. Louis Association of Pediatric Nurse Practitioners

Timothy J. Kutz, MD
Member, Ray Helfer Society (honorary society recognizing contributions to the field of child maltreatment)

Presentations

Karen Bly, RN, BSN, MA, Med
Sexual Abuse Management-Initial Assessment & Triage, Cardinal Glennon Children’s Medical Center, St. Louis, MO. October 23, 2008

Cara Christanell, MSN, RN, CPNP
Sexual Abuse, (presentation for online education), Saint Louis University School of Nursing, St. Louis, MO. October, 2008
Sexual Abuse Management-Diagnosis & Treatment, Madison County CAC Medical Training, Edwardsville, Il. December 15, 2008
Sexual abuse case management, (workshop format), Stepping Stones for Safe Kids Conference, Jefferson City, MO. March 19, 2009

Ann DiMaio, MD
Child Neglect, Madison County CAC Medical Training Edwardsville, Il. December 15, 2008
Medical Child Abuse, Madison County CAC Medical Training Edwardsville, Il. December 15, 2008

Timothy J. Kutz, MD
Abusive Head Trauma, Southeast Missouri Network Against Sexual Violence, The CAPE Conference, Cape Girardeau, Missouri. October 16, 2008
Abusive Head Trauma, Sister Noreen McGowan Pediatric Conference Creve Coeur, MO. October 24, 2008
Bone Fractures in Child Abuse, Madison County CAC Medical Training Edwardsville, Il. December 15, 2008
Mimics of Child Abuse, Madison County CAC Medical Training Edwardsville, Il. December 15, 2008
Child Sexual Abuse, Child Abuse Investigation Training, Park Hills Police Academy, Park Hills, MO. December 17, 2008
Skin and Bones, Kids First Stepping Stones Conference, Jefferson City, MO. March 20, 2009
Child Sexual Abuse Medical Evaluation, The Downstate Conference on Child Abuse, Mt. Vernon, IL. April 22, 2009

Research Highlights

Ann DiMaio, MD
The Division of Pediatric Critical Care is heavily committed to patient care, but also participates in multidisciplinary education, community service, and biomedical research. Our intent is to provide state of the art medical management for critically ill children while improving the care of future patients through our education and research efforts. We provide community service through the individual specialized interests of our members.

Members of the Division staff the Pediatric Intensive Care Unit (PICU) at Cardinal Glennon Children’s Medical Center 24 hours/day with in house coverage. We will occasionally provide care in other locations including the Emergency Room, Operating Room, and Transitional Care Unit. Intensivists respond to life threatening emergencies throughout the hospital and lead the hospital’s Medical Response Team. The Division also provides sedation services for routine outpatient and inpatient procedures as well as procedural assistance for patients with difficult vascular access.

Our role in the PICU centers on the delivery of state of the art respiratory, circulatory and neurological management of critically ill children. Our service volume is roughly 400 patients/year. However, we also facilitate the care provided by other divisions and departments through co-management and/or consultation of every patient admitted to the PICU. We establish the daily goals on all patients in the PICU and lead a multidisciplinary team composed of nurses, therapists, dieticians, social workers and others to achieve those goals.

Our clinical workload helps provide educational opportunities to pediatric residents, medicine/pediatric residents, surgery residents, emergency medicine fellows, nurses and medical students. Residents spend two months on service and fellows in Pediatric Emergency Medicine spend 1 month in the Pediatric Intensive Care Unit becoming familiar with management issues and procedures related to critical care. Historically, the division has provided continuing medical education on a local, regional, national, and international basis.

**Faculty Profile**

**Teresa Louise Andreone, MD, PhD, Assistant Professor**

*Research Interests:* Diabetes mellitus  
*Board Certification:* Pediatrics; Pediatric Critical Care  
*Medical College:* University of Health Sciences/ The Chicago Medical Schools  
*Residency:* University of Cincinnati Hospitals Children’s Hospital Medical Center, Cincinnati, Ohio  
*Fellowship:* Division of Critical Care Medicine, University of Cincinnati Children’s Hospital Medical Center, Cincinnati, Ohio

**Gordon Gale, MD, Professor**

*Research Interests:* Procedural sedation  
*Board Certification:* Pediatrics; Pediatric Hematology and Oncology; Pediatric Critical Care Medicine  
*Medical College:* Saint Louis University  
*Residency:* Saint Louis University, Cardinal Glennon Children’s Hospital  
*Fellowship:* American Cancer Society (Pediatric Oncology), The Children’s Hospital of Philadelphia University of Pennsylvania
Division of Critical Care Medicine

Jeremy S. Garrett, MD, Associate Professor
Research Interests: Production of and release of cellular growth factors in the pathogenesis of and recovery from critical illness, outcomes based/evidence based research in the PICU, non accidental trauma/child abuse
Board Certification: Pediatrics; Pediatric Critical Care Medicine
Medical College: University of Nebraska Medical Center
Residency: University of California Los Angeles
Fellowship: University of Utah; Primary Children’s Medical Center

Jambunathan Krishnan, MD, Assistant Professor
Research Interests: Course of platelets and the implications of thrombocytopenia in the Pediatric Intensive Care Unit
Board Certification: Pediatrics; Pediatric Critical Care Medicine
Medical College: Dayanand Medical College, Ludhiana, Punjab, India
Residency: Mt. Sinai School of Medicine, New Jersey
Fellowship: University of Maryland, Baltimore, MD

Christina Mannix, MD, Assistant Professor
Research Interests: Procedural sedation
Board Certification: Pediatrics
Medical College: SIU Springfield Medical School
Residency: Naval Medical Center, Portsmouth, Virginia
Fellowship: University of Minnesota Hospitals

Robert Stephen Ream, MD, Associate Professor, Interim Division Director (September 2008 to present)
Research Interests: Respiratory disease and sepsis, quality assurance activities
Board Certification: Pediatrics; Pediatric Critical Care and Internal Medicine
Medical College: Jefferson Medical College, Philadelphia
Residency: Saint Louis University School of Medicine, Cardinal Glennon Children’s Hospital
Fellowship: Children’s Hospital of Philadelphia

Jason Werner, MD, Assistant Professor
Research Interests: Intraabdominal hypertension
Board Certification: Pediatrics; Pediatric Critical Care
Medical College: University of Missouri-Columbia
Residency: Saint Louis University School of Medicine, Cardinal Glennon Children’s Medical Center
Fellowship: Children’s Hospital of St. Louis, Washington University

Research Highlights

Jason Werner, MD
Dr. Werner has submitted an IRB protocol for correlating intraabdominal pressures with measures of tissue ischemia.

Robert Ream, MD
Dr. Ream has been granted an IRB continuation of a NACHRI initiative to reduce central venous line associated infections. The project has thus far reduced the infection rate by 88%.
Division of Critical Care Medicine

Staff

Georgene Menshouse, RHIT, Medical Secretary

Honors and Other Academic Activities

Teresa Andreone, MD, PhD
St. Louis Magazine’s Best Doctors in St. Louis, 2006-2009
Best Doctors in America, 2007-09

Jeremy Garrett, MD
St. Louis Best Doctors in America, 2007-09

Robert Ream, MD
St. Louis Magazine’s Best Doctors in St. Louis, 2005-09
Best Doctors in America, 2007-09
Division of Dermatology

Introduction and Description

The Division of Dermatology completed its second full year and continues to provide tertiary medical, surgical and investigative dermatology services for children with all forms of skin disease. Ambulatory, Emergency Room, Same Day surgical, in-house consultation and hospitalized dermatology patients are seen at Cardinal Glennon Children’s Medical Center. Ambulatory patients are also seen at 2 SSM owned off-site offices: St. Anthony’s and St. Charles Medical Park. The division directs industry-sponsored clinical trials utilizing the infrastructure of the Department of Pediatrics Clinical Trials Unit. The division also provides training for residents, medical students, allied health students and Cardinal Glennon Children’s Medical Center staff.

Faculty Profile

Elaine C. Siegfried, MD, Director, Professor of Pediatrics and Dermatology

Research Interests: Severe inflammatory skin disease, drug development
Medical School: University of Missouri-Columbia (MD 1985)
Residencies: University of Iowa (Pediatrics 1988; Dermatology 1991)

Staff

Yolanda Caufield, LPN, Certification: Citi Collaborative Institutional Training Initiative

Katie Jercinovic, RN

Lisa Jones, Medical Secretary, Certification: Citi Collaborative Institutional Training Initiative

Cathy Driver, Medical Secretary, Certification: Citi Collaborative Institutional Training Initiative

Clinical Activity

Outpatient Clinics
ACC (130-160 patients/month), includes monthly combined Derm/Ent/Allergy Clinic
St. Anthony’s (50-70 patients/month)
St. Charles Medical Park (50-70 patients/month)

Operating Room (3-7 cases/month)
Inpatient and ER Consults (15-50 patients/month)
Dermatology Service Inpatient Admissions (2-5 patients/month)
Curbside Consultation

Research Highlights

Clinical Trials: Amgen Phase 2, An Open-Label Extension Study to Evaluate the Safety of Etanercept in Pediatric Subjects with Plaque Psoriasis.

Pending projects include:
Pierre Fabray – The safety and efficacy of propranolol in the treatment of infantile hemangiomas
Leo—Safety and efficacy of Taclonex ointment in adolescents with psoriasis
Abbott—The safety and efficacy of Adalimumab in Pediatric Psoriasis
Centocor—The safety and efficacy of Ustekinumab in pediatric psoriasis
Novartis—Review of Elidel (pimecrolimus) in Nethertons
Symbio—DBPC trial comparing generic Miconazole Nitrate/zinc oxide ointment to vusion to treat diaper dermatitis

Honors and Other Academic Activities

Elaine Siegfried, MD
Best Doctors in America, 1994-2009
American Dermatological Association (an honorary society recognizing contributions to the field of dermatology), 2006-present
Board of Directors, American Board of Dermatology (since 2001); President Elect (2009);
Chair, Pediatrics Curriculum Committee (since 2006).
Fellow, American Academy of Dermatology (since 1989)
Member, Environment and Drugs Committee (since 2004)
Vice Chair (2006-2007), Chair (2007-present)
Member, Council on Government Affairs Health Policy & Practice (since 2007)
Member, Patient Advocacy Task Force (since 2004)
National Foundation for Ectodermal Dysplasias Scientific Advisory Board
Dermatology Times Editorial Advisory Board
Missouri Dermatologic Society (since 1991)
Board of Directors (since 2007)
St. Louis Dermatologic Society (since 1991)
Society for Pediatric Dermatology (since 1988)
Executive Committee (1995-present)
Chair, Certification Committee (since 2001)
Co-Chair, Residency and Training, Strategic Planning Committee (since 2006)
Member, Iowa Dermatological Society (since 1988)
Honorary Lifetime Member (since 2003)
Fellow, American Academy of Pediatrics (since 1989)
Member, Section on Dermatology

Publications

Submitted:
Presentations
Elaine Siegfried, MD
2008
July 9 SLU Derm Resident Conference—Eczema
July 24 Ectodermal Dysplasias; University of Iowa Grand Rounds
July 25 National Foundation for Ectodermal Dysplasia Family Conference
July 28 SLU Derm Resident Conference—Hemangioma
Sept 17 Southern IL Perinatal Program Conference—Common Newborn Skin Abnormalities
Sept 24 Ped Resident Noon Conference—Pediatric Dermatology
Oct 2 Dinner presentation: Atopic Dermatitis
Nov 14-15 Royal Dermatologic Society, Dublin; Annual Meeting

2009
Jan 19 Winter Clinical Dermatology Conference—Pediatric Update, Kona, HI
Jan 25 Expert Panel on Atopic Dermatitis, Maui, HI
Jan 28 Severe Skin Disease in Children, Maui Derm
Feb 4 Dinner presentation: Atopic Dermatitis
Mar 7 Severe Skin Disease Forum, AAD, San Francisco, CA

Book Chapters

Abstracts
Introduction and Description

The Division of Developmental Pediatrics and Rehabilitation Medicine, Department of Pediatrics, St. Louis University School of Medicine, is located in the Knights of Columbus Developmental Center and the Pediatric Rehabilitation Unit of SSM Cardinal Glennon Children’s Medical Center. The Knights of Columbus organization, with their mission of identifying programs supporting children and families with mental retardation, began continuous funding of the center in April, 1980.

The Knights of Columbus Developmental Center provides diagnostic evaluation, follow-up, and support and advocacy in the community for children and their families with a broad range of neurodevelopmental disabilities and behavioral concerns. This includes children and adolescents with global developmental delay and mental retardation, prematurity, cerebral palsy, communication disorders, particularly autism spectrum disorder, attention deficit/hyperactivity disorder and learning disabilities, and acquired/traumatic brain injuries.

The Pediatric Rehabilitation Unit, founded in 1991, provides intensive and comprehensive inpatient hospitalization for children recovering from acute neurologic injuries and medical illnesses. This includes children and adolescents with traumatic brain injury, spinal cord injury, neuromuscular diseases, and medical illnesses such as bacterial meningitis.

The Knights of Columbus Developmental Center is recognized by the State of Missouri as an Autism Center of Excellence. This designation is accompanied by a State contract that provides for physical expansion of the center; recruitment of two new developmental pediatricians; two new pediatric psychologists devoted to the care of children with autism; a social worker to serve as a family service coordinator; a director of education for the Autism Center of Excellence; and additional support staff. Funding is available through the contract to support a broadly expanded interdisciplinary approach to children presenting with features of autism spectrum disorders. There is additional financial support to dramatically increase the education of physicians, allied health professionals and families regarding autism spectrum disorders.

Within the Department of Pediatrics, the teaching goal of the division is to support the educational needs of trainees at different levels of their undergraduate and professional education. We have produced a comprehensive, web-based developmental/behavioral pediatrics and rehabilitation medicine curriculum, geared to the pediatric trainees and primary care physicians and the problems they may encounter in their office or clinic setting. In addition, we participate in the 1st and 2nd year medical school curriculum, the core lecture series for the third year medical students and pediatric residents, and we have our own subspecialty lecture series during the developmental/behavioral pediatrics elective. Each month we have 2 to 3 trainees rotating with us, including 4th year medical students and pediatric, combined medicine/pediatric, and psychiatry residents. Over the last several years, we have supported undergraduate and graduate research assistants, participating in our research projects.
Division of Developmental Pediatrics & Rehabilitation

school districts, and support and advocacy groups, both in the greater St. Louis region and nationally.

Faculty Profiles

**Timothy J. Fete, MD, MPH**, Interim Division Director (through December 2008)

*Research Interests:* Developmental delay, Failure to thrive, Ectodermal dysplasias, Care for children with special health needs

*Board Certification:* Pediatrics

*Medical College:* Washington University School of Medicine-St. Louis

*Residency:* St. Louis Children’s Hospital

*Fellowship:* Ambulatory Pediatrics, Saint Louis Children’s Hospital

*Masters Public Health:* St. Louis University

**Caryn Garriga, MD, MPH**

*Research Interests:* Children with learning disabilities, attention deficit hyperactivity disorder

*Board Certification:* Pediatrics

*Medical College:* Temple University School of Medicine

*Residency:* University of Rochester (NY), Pediatrics

*Fellowship:* Developmental and Behavioral Pediatrics, University of Rochester

*Masters Public Health:* St. Louis University

**Rolanda Maxim, MD**, Medical Director, Autism Center of Excellence

*Research Interests:* Autism spectrum disorders, developmental screening, nonverbal learning disability, ADHD

*Board Certification:* Pediatrics; Developmental/Behavioral Pediatrics

*Research Training:* Autism Diagnostic Inventory (ADI); Autism Diagnostic Observation Schedule (ADOS); Broader Phenotype Autism Symptom Scale (BPASS)

*Medical School:* Faculty of Medicine, Bucharest, Romania

*Residency:* Carmel Hospital, Technion Institute School of Medicine, Haifa, Israel

*Fellowship:* Child Development Center, Hasbro Children’s Hospital, Brown University School of Medicine

**Shulamit Portnoy, MD**

*Research Interests:* Children with developmental, behavioral and mental health conditions

*Medical College:* Chernovtsy State Medical Institute, Ukraine

*Residency:* Sackler School of Medicine, Tel-Aviv, Israel (Pediatrics)

*Fellowship:* Sackler School of Medicine, Tel-Aviv, Israel (Neonatology)

*Residency:* St. Louis Children’s Hospital, Washington University (Pediatrics)

*Fellowship:* St. Louis Children’s Hospital, Washington University (Pediatric Neurology)

**Adrienne G. Tilbor, DO**, Medical Director, Pediatric Rehabilitation

*Research Interests:* Medical management of traumatic brain injury and neuromuscular disease

*Board Certification:* American Board of Physical Medicine and Rehabilitation

*Medical School:* Philadelphia College of Osteopathic Medicine

*Internship:* Internal Medicine, Bryn Mawr Hospital/Jefferson Medical College

*Residency:* Physical Medicine and Rehabilitation, New York University Medical Center/Rusk Institute of Rehabilitation Medicine

*Fellowship:* Pediatric Physical Medicine and Rehabilitation, Texas Children’s Hospital/Baylor College of Medicine
Division of Developmental Pediatrics & Rehabilitation

Monica H. Ultmann, MD, Medical Director, Reach Out and Read Gateway/St. Louis Coalition

Research Interests: Chronic illness and development, autism spectrum disorders, early intervention, literacy

Board Certification: Pediatrics; Developmental/Behavioral Pediatrics

Medical School: Columbia University College of Physicians and Surgeons

Residency: The Babies Hospital, Columbia University College of Physicians and Surgeons

Fellowship: Children’s Evaluation and Rehabilitation Center, Albert Einstein College of Medicine

Staff Members

Elizabeth Judd, RN, C.P.N.P., Pediatric Nurse Practitioner, Office Manager, Knights of Columbus Developmental Center

Laura Middleton, PhD, Pediatric Psychologist

Darla Swann, PhD, Pediatric psychologist

Pat Deutsch, RN, Clinical Nurse Coordinator

Sandy Bugalski, Social Worker

Lynn Bock, CCC-SLP, Speech and Language Specialist

Lindsey Eversmeyer, Community Health Specialist

Emily Korte-Stroff, Occupational Therapist

Joy Gonulson, RN, Clinical Nurse Coordinator

Cassandra Slattery, BA, Education Director, ACE Program

Diane Luna-Morales, Clinic Coordinator and Secretary

Deanna Bonner, Secretary

Kristi Schwantner, CCC- SLP, Speech and Language Therapist and Evaluator, Southern Illinois Medical Diagnostic Network

Research Highlights

Rolanda Maxim, MD
Served as Principal Investigator and collaborated with Tim Fete, M.D. of the Division of General Academic Pediatrics and Terry Leet, Ph.D., in the School of Public Health, in the study of the Psychoeducational Characteristics, Adaptive Behavior, and Prevalence of Attention Deficit Hyperactivity Disorder in Children with Hypohidrotic Ectodermal Dysplasia.” Served as Principal Investigator and collaborated with Dr. Mo Shah, of the Division of Medical Genetics, in the study of the “Psychoeducational Profiles of Children and Adults with Gorlin Syndrome.” Serves as Principal Investigator for the Saint Louis University site of a multicenter study (Senior P.I.’s: John Constantino, M.D., Department of Psychiatry, Washington University School of Medicine and Catherine Lord, Ph.D., University of Michigan Autism Center, Ann Arbor, MI) funded by the Simons Foundation: “Simplex Autism Resource: African American Missouri Families.” Begun a collaboration with Missouri Families for Effective Autism Treatment (MOFEAT) and Parents as Teachers on the project “Early Detection of Autism Spectrum Disorder in Children 0-18 Months of Age.” Serves as a research mentor for Katrina Lundquist, a SLU medical student, on her project “Perinatal Risk Factors in Autism Spectrum Disorders.” Serves as a research mentor for Jennifer Poon, M.D., a 3rd year pediatric resident, on her project “Impact of Risperidone on Lipid Profile, Glycemia, and Growth in Children with Autism Spectrum Disorder.”

Monica H. Ultmann, MD
Serves as a Co-Investigator for the Saint Louis University site of a multicenter study (Senior P.I.’s: John Constantino, M.D., Department of Psychiatry, Washington University School of Medicine and Catherine Lord, Ph.D., University of Michigan Autism Center, Ann Arbor, MI) funded by the Simons Foundation: “Simplex Autism Resource: African American Missouri Families.”
Division of Developmental Pediatrics & Rehabilitation

Honors and Other Academic Activities

Rolanda Maxim, MD
Journal Reviewer
   Ad hoc Reviewer, Pediatrics
   Ad hoc Reviewer, Journal of Pediatrics

Grants

Monica H. Ultmann, MD
Developmental Pediatric Consultant, Southern Illinois Medical Diagnostic Network/ Child and Family Connections, Department of Human Services, State of Illinois
Medical Director, Reach Out and Read Gateway/St. Louis Coalition, Reach Out and Read National Center, Boston, MA

Rolanda Maxim, MD
Washington University's Subaward No WU-08-261 Simons Foundation May1, 2007- April 30, 2009
Title of the Grant: Simplex Autism Resource: Saint Louis Missouri Families, Multi site study
Total funding: Year 1: $67877, Year 2: $67877
Division of Emergency Medicine

Introduction and Description

The Division of Pediatric Emergency Medicine has primary responsibility for the care of patients at Cardinal Glennon Children’s Medical Center (CGCMC) Emergency Department, a Level I Pediatric Trauma Center. In the past year, we project that over 44,000 children will have been seen in our Emergency Department, including approximately 400 requiring Trauma Activations. Approximately 12% of our visits result in 56% of the yearly admissions to the hospital, with over 400 requiring admission to the Pediatric Intensive Care Unit.

The PEM Division also coordinates and is responsible for medical control for all referrals that come through thru the Emergency Department as well as for all transports involving the CGCMC transport team. Twenty four hours a day a member of the department is on site and available for assistance in patient care, discussion for the need to transfer, and needed transport team support. In addition, either a fellow or attending is available 24 hours day for the rare situations when a physician is required to accompany the transport team. John Peter, MD, the Director of the Pediatric of the Pediatric Emergency Department, also serves as the Medical Director for the Transport Team.

As an institution of medical education, CGCMC has numerous trainees of varying levels who receive training in our Emergency Department, including the following: 1) Fellows in Pediatric Emergency Medicine; 2) Saint Louis University Pediatric and Combined Internal Medicine/Pediatric Residents; 3) Family Practice Residents from affiliated hospitals; 4) Medical Students from Saint Louis University; and 5) beginning in July 2009, Saint Louis University Emergency Medicine Residents.

We are also proud to have offered over 20 years of PACTS/PALS courses to over 6400 physicians, nurses, EMT’s, paramedics, and respiratory therapists. We now have a WEB based PALS course, streamlining the on-site time commitment for this certification and thus allowing for a more efficient venue for the health care providers.

Faculty Profile

Rachel Charney, MD, Assistant Clinical Professor

Educational Interests: Disaster preparedness, resident and fellow education
Research Interests: Disaster preparedness
Board Certification: Pediatrics; Pediatric Emergency Medicine
Medical College: Northwestern University Medical School, Chicago, IL
Residency: New York Hospital—Cornell Medical Center
Fellowship: Pediatric Emergency Medicine, St. Louis Children’s Hospital, Washington University School of Medicine, St. Louis, MO

Faye E. Doerhoff, MD, Associate Professor, Associate Director of Pediatric Residency Training Program

Educational Interests: Medical student, resident, fellow education, excellence in response for emergency care
Board Certification: Pediatrics; Pediatric Emergency Medicine
Medical College: University of Missouri School of Medicine
Residency: University of Missouri at Columbia Medical Center, University of Texas Medical Branch
Chief Resident: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital
Division of Emergency Medicine

Robert G. Flood, MD, Associate Professor, Division Director

Educational Interests: Medical student, resident and fellow education
Research Interests: Treatment of soft tissue infections in children, care of simple lacerations in children, pulmonary diseases in children
Board Certification: Pediatric Emergency Medicine
Medical College: University of Miami
Residency: University of Miami/Jackson Memorial Hospital Combined Internal Medicine/Pediatrics
Chief Resident: University of Miami/Jackson Memorial Hospital Combined Internal Medicine/Pediatrics
Fellowship: Children’s Hospital of Boston Pediatric Emergency Medicine Residency

James M. Gerard, MD, Associate Professor

Educational Interests: Simulation training, PACTS/PALS
Research Interests: Simulation training, web-based PALS education
Board Certification: Pediatrics; Pediatric Emergency Medicine
Medical College: Saint Louis University School of Medicine
Residency: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital
Chief Resident: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital
Fellowship: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital

Parisa Jamshidi, MD, Assistant Professor

Educational Interests: Resident and fellow education
Board Certification: Pediatrics; Pediatric Emergency Medicine
Medical College: Hacettepe University School of Medicine, Ankara, Turkey
Residency: Crozer Chester Medical Center, St. Christopher’s Hospital for Children, Philadelphia, PA;
SUNY at Brooklyn-Children’s Medical Center of Brooklyn, Brooklyn, New York
Fellowship: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital

Steven P. Laffey, MD, Associate Professor

Education Interests: Pediatric advanced life & trauma education courses, disaster planning/management
Research Interests: PACTS/PALS
Board Certification: Pediatrics; Pediatric Emergency Medicine
Medical College: Saint Louis University School of Medicine
Residency: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital
Fellowship: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital

Alicia R. Lynn, MD, Assistant Professor

Educational Interests: Resident and fellow education
Research Interests: Pain control for children in the emergency department
Board Certification: Pediatrics; Pediatric Emergency Medicine
Medical College: University of Missouri – Columbia
Residency: University of Tennessee – Memphis
Fellowship: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital
MPH Program: Saint Louis University, School of Public Health
Division of Emergency Medicine

Albert K. Nakanishi, MD, MPH, Associate Professor
Educational Interests: Resident and fellow education, asthma care and intervention in the ED
Research Interests: Reactive airway disease in children, treatment of dehydration in children, treatment of simple lacerations in children
Board Certification: Pediatrics; Pediatric Emergency Medicine
Medical College: Northeastern Ohio Universities College of Medicine
Residency: Children’s Hospital of Akron, Ohio
MPH Program: Saint Louis University, School of Public Health

John R. Peter, MD, Professor, Medical Director of the Pediatric Emergency Department, Medical Director of Transport Team
Educational Interests: Fellow education, transport efficiency & safety of pediatric patients
Research Interests: Treatment of soft tissue infections in children
Board Certification: Pediatrics; Pediatric Emergency Medicine
Medical College: Southern Illinois University School of Medicine
Residency: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital
Chief Resident: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital
Fellowship: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital

Ann D. Ricci, MD, Assistant Clinical Professor
Educational Interests: Child Protection
Board Certification: Pediatrics; Pediatric Emergency Medicine
Medical College: SUNY Health Sciences Center – Brooklyn, New York
Residency: New York Hospital – Cornell Medical Center
Fellowship: Child Protection – Saint Louis University School of Medicine/Cardinal Glennon Children’s Medical Center

Anthony J. Scalzo, MD, Professor, Medical Toxicologist and Medical Director of the Regional Poison Control Center, Director of Toxicology
Educational Interests: Toxicology, PACTS/PALS, medical simulation
Research Interests: Toxicology, PACTS/PALS, medical simulation
Board Certification: Pediatrics; Pediatric Emergency Medicine; Medical Toxicology
Medical College: Saint Louis University School of Medicine
Residency: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital

Teresa Schiff, MD, Assistant Professor
Board Certification: Pediatrics
Medical College: Autonomous University in Guadalajara, Jalisco, Mexico
Residency: St. Francis Medical Center/University of Illinois, Peoria, Il.

Trevor Tredway, MD, PhD, Assistant Professor, Pediatric Emergency Medicine Fellowship Director
Educational Interests: Fellow education, PACTS/PALS, emergency management
Research Interests: Care of simple lacerations in children, cardiac troponin I in children with major trauma
Board Certification: Pediatrics; Pediatric Emergency Medicine
Medical College: Saint Louis University School of Medicine
Residency: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital
Chief Resident: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital
Fellowship: Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital
Division of Emergency Medicine

**Fellows**

**Kathy Lehman-Huskamp, MD,** Third Year Fellow

*Educational Interests:* Disaster preparedness, resident and fellow education  
*Research Interests:* Cardiac markers in children with major trauma, disaster preparedness, environmental exposures/toxicology  
*Board Certification:* Pediatrics  
*Medical Education:* Saint Louis University School of Medicine  
*Residency:* Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital  
*Chief Resident:* Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital – Department of Pediatrics

**Kristi Kinder, DO,** First Year Fellow

*Educational Interests:* Disaster preparedness, resident and fellow education  
*Research Interests:* Bedside ultrasound applications, reactive airway disease in children  
*Medical Education:* Kirksville College of Osteopathic Medicine, Kirksville, MO  
*Residency:* Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital

**Steven Krebs, MD,** First Year Fellow

*Educational Interests:* Disaster preparedness, resident and fellow education  
*Research Interests:* Reactive airway disease in children  
*Medical Education:* University of Nevada Medical School, Reno NV  
*Residency:* St. Louis Children’s Hospital, Washington University School Medicine, St. Louis, MO

**Staff**

**Danette Kurtzeborn,** Medical Secretary, PEM Fellowship Program Coordinator

**Research Highlights**

**Kathy Lehman-Huskamp and Anthony Scalzo**  

**Kathy Lehman-Huskamp, Trevor Tredway, and John Peter**  
Cardiac Troponin and Correlation with Outcome in a Pediatric Tertiary Center: A Retrospective Chart Review. Current status: manuscript preparation.

**Kathy Lehman-Huskamp, Trevor Tredway, and John Peter**  
Cardiac Enzymes and Correlation with Outcome in Pediatric Patients with Major Trauma: A Prospective Pilot Study. Current status: manuscript preparation.

**Alicia Lynn**  

**James Gerard and Anthony Scalzo**  

**Trevor Tredway and Robert Flood**  
Cosmetic Outcomes of Absorbable Versus Non-absorbable Sutures in Pediatric Facial Lacerations: A Randomized, Prospective Study. Current status: active enrollment of patients.

**Kevin Germino and John Peter**  
Rachel Charney  

Rachel Charney and Kathy Lehman-Huskamp  

Kathy Lehman-Huskamp, Rachel Charney, and Anthony Scalzo  

Publications


Honors and Other Academic Activities
John Peter, MD
Best Doctors in Saint Louis 2008

Anthony Scalzo, MD
Best Doctors in Saint Louis 2008

Presentations


Grants
Missouri Department of Health & Senior Services April 2009—August 2009
Kathy L. Lehman-Huskamp, Principal Investigator
and Anthony Scalzo
Emergency Preparedness AHLS (Advanced HAZMAT Life Support) Grant, estimate $23,000 (pending)
Division of Endocrinology

Introduction and Description

The Division of Pediatric Endocrinology in the Department of Pediatrics is dedicated to improving the health of children through clinical care, teaching, and research. The faculty in the Division currently includes four pediatric endocrinologists. In addition, two Pediatric Nurse Practitioners, who are also Certified Diabetes Educators, provide care for children with diabetes. One clinical nurse performs specialized endocrine function testing, provides education in endocrine disorders, and coordinates the four large post-marketing surveillance programs of growth hormone therapy for the Division. Three clinical nurses (2.1 FTE), one of whom is a Certified Diabetes Educator, and an APN clinical nurse specialist, provide in- and out-patient diabetes education, instruct patients in intensive insulin regimens, including CSII, and maintain a high level of in-patient diabetic care through education of the hospital nursing staff. In addition, a dietitian, a social worker, and a child psychologist are available to offer nutritional guidance and psychosocial evaluation and advice.

Clinical care for infants, children, and adolescents with growth disorders, complex endocrine system disorders, diabetes, and metabolic bone disease is comprehensive and state-of-the-art. The Division is an official referral center for the newborn screening programs for the states of Missouri and Illinois. In calendar year 2008, 5570 new and return out-patient visits were made to the Division’s clinics in the Ambulatory Care Center at Cardinal Glennon Children’s Hospital and in the South County and Anderson Hospital Glennon Care facilities; in addition, there were 354 visits made to the outreach clinics at Southeast Missouri Hospital in Cape Girardeau, MO. One faculty member is responsible for patient care on the in-patient service. Most newly-diagnosed diabetic children are hospitalized for a brief period to initiate therapy and education. Consultations to assess and assist in the management of complex in-patients are also provided, as requested by other services.

The teaching programs of the Division of Pediatric Endocrinology are closely intertwined with both the Department of Pediatrics and the Division of Endocrinology in the Department of Internal Medicine. In addition to departmental conferences, which include Grand Rounds and Practical Pediatrics, six lectures in the Core Curriculum lecture series for residents and a lecture every 8 weeks for third year medical students are given by Division faculty. A popular elective is offered to residents, and third and fourth year medical students are supervised in the out-patient clinics. Finally, the Division assists in the training of fellows from the Division of Endocrinology in the Department of Internal Medicine by its supervision of fellows in a one-month rotation and its participation in a combined case conference.

Members of the Division of Pediatric Endocrinology have participated in clinical trials of growth hormone (GH) therapy and have contributed patient information to post-marketing surveillance programs for many years. In addition, in response to the growing epidemic of type 2 diabetes in childhood, Division faculty members have participated in industry-sponsored trials investigating drugs for type 2 diabetes in children and are currently participating in the NIH-funded, multi-center TODAY (Treatment Options for type 2 Diabetes in Adolescents and Youth) Study.
Division of Endocrinology

Faculty Profiles

David P. Dempsher, MD, PhD, Associate Professor

Special Interests: Disorders of growth and puberty, genital ambiguity, diabetes
Board Certifications: Pediatrics; Pediatric Endocrinology
Medical College: Johns Hopkins University School of Medicine, Baltimore, MD
Residency: Vanderbilt University Hospital, Nashville, TN
Fellowship: Fellow in Pediatric Endocrinology and Metabolism, St. Louis Children’s Hospital, Washington University School of Medicine, St. Louis, MO

Mark C. Eddy, MD, Assistant Professor

Special Interests: Metabolic bone disease
Board Certifications: Pediatrics
Medical College: University of Missouri–Columbia School of Medicine, Columbia, MO
Residency: Children’s Mercy Hospital, University of Missouri–Kansas City School of Medicine, Kansas City, MO
Fellowship: Fellow in Pediatric Endocrinology and Metabolism, St. Louis Children’s Hospital, Washington University School of Medicine, St. Louis, MO

Susan E. Myers, MD, Professor

Special Interests: Disorders of growth and puberty, Prader-Willi syndrome, thyroid disorders, diabetes
Board Certifications: Pediatrics; Pediatric Endocrinology
Medical College: University of Cincinnati School of Medicine, Cincinnati, OH
Residency: Children’s Hospital Medical Center, University of Cincinnati School of Medicine, Cincinnati, OH
Fellowship: Clinical Fellow in Pediatric Endocrinology, Duke University Medical Center, Durham, NC
Fellow in Pediatric Endocrinology, University of Cincinnati School of Medicine, Cincinnati, OH

Sherida E. Tollefsen, MD, Professor and Division Director

Special Interests: Disorders of growth and puberty, thyroid disorders, congenital adrenal hyperplasia, diabetes
Board Certifications: Pediatrics; Pediatric Endocrinology
Medical College: Washington University School of Medicine, St. Louis, MO
Residency: St. Louis Children’s Hospital, Washington University School of Medicine, St. Louis, MO
University of Colorado Affiliated Hospitals, Denver, CO
Fellowship: Clinical Fellow in Pediatric Endocrinology, University of Colorado School of Medicine, Denver, CO
Pediatric Endocrinology and Metabolism, Washington University School of Medicine, St. Louis, MO

Research Highlights

The research studies of Dr. Susan E. Myers in the Division of Pediatric Endocrinology, Dr. Barbara Y. Whitman, and their collaborators continue to contribute significantly to our understanding of the efficacy of GH treatment in children and adults with Prader-Willi syndrome (PWS). PWS is a complex genetic disorder with errors in genomic imprinting, generally due to a paternal deletion of chromosome 15q11-q13 region or to maternal disomy 15. Dr. Myers and her colleagues recently published an analysis of the growth and gestational data of 167 infants with PWS to determine if there were differences between the two genetic subtypes (J Assist Reprod Genet 2009 - see below). No significant differences in growth data at birth or average gestational ages were found between the two
Division of Endocrinology

genetic subgroups; however, post-term deliveries (>42 weeks gestation) were more common in the maternal disomy group compared with the deletion group. The distribution of gestational ages in the deletion group was more bell-shaped or normal, while the distribution in the maternal disomy group suggested a bimodal pattern. They concluded that maternal disomy 15 in PWS may contribute to disturbances in gestational age and delivery.

Dr. Sherida E. Tollefsen is the principle investigator and Dr. David P. Dempsher is the co-investigator of the Saint Louis University site of a large multi-center study entitled "Treatment Options for type 2 Diabetes in Adolescents and Youth (TODAY)", which is funded by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) of the National Institutes of Health. The research protocol is designed to evaluate the efficacy of three treatment regimens (metformin alone, metformin plus rosiglitazone, and metformin plus intensive lifestyle intervention) on time to treatment failure based on glycemic control. Secondary aims are as follows: to compare and evaluate the safety of the three treatment regimens; to compare the effects of the three treatments on the pathophysiology of type 2 diabetes; to evaluate the influence of individual and family behaviors on treatment response; and to compare the relative cost effectiveness of the three treatment regimens. Nationwide, 704 subjects have been randomized into one of the treatment regimens and will be followed for at least two years. By the end of recruitment, 54 subjects had been screened, 48 subjects had proceeded to run-in, and 39 subjects had been randomized at the SLU site. Dr. Tollefsen is also participating in Genetics 2500, an ancillary study under the TODAY protocol funded to collect blood and phenotypic information on patients diagnosed with type 2 diabetes prior to their 18th birthday in order to explore relationships between candidate genes and type 2 diabetes, as well as obesity, insulin resistance, and cardiovascular complications of insulin resistance. Dr. Tollefsen is a member of the Steering Committee, chairs the Laboratory Monitoring Committee, and is a member of two writing groups for the TODAY Study Group.

Publications


Honors and Other Academic Activities
David Dempsher, MD Selection to The Best Doctors in St. Louis 2008
Susan Myers, MD Member of the Scientific Advisory Board, National Prader-Willi Syndrome Association
Sherida Tollefsen, MD Selection to The Best Doctors in St. Louis 2008

Presentations
David Dempsher, MD
“Update of Congenital Hypothyroidism”, Practical Pediatrics, Department of Pediatrics, Cardinal Glennon Children’s Hospital, St. Louis, MO, September 2008.

Mark Eddy, MD
“Recent Changes in Vitamin D Recommendations for Children and Adolescents”, Practical Pediatrics, Department of Pediatrics, Cardinal Glennon Children’s Hospital, St. Louis, MO, September 2008.

Susan Myers, MD
“New Treatment Options for Precocious Puberty”, Practical Pediatrics, Department of Pediatrics, Cardinal Glennon Children’s Hospital, St. Louis, MO, September 2008.


Sherida Tollefsen, MD
“Pediatric Type 2 Diabetes and the TODAY Study”, CME presentation, Cape Girardeau, MO, February 2009.
Whelan T, Wolf B, Carnes S, Brasken MK, Floreen A, Boyce M, Dempsher DP, Tollefsen SE: “Status of the Treatment Options for Type 2 Diabetes in Adolescents and Youth (TODAY) Study at SLU”, Third Annual Pediatric Science Day Symposium, Department of Pediatrics, Saint Louis University, St. Louis, MO, April 2009.
Grants

– New

**Lilly Research Laboratories**  
5/9/08–4/18/10  
$62,891  
David P. Dempsher – Principal Investigator  
Safety and Efficacy of Exenatide as Monotherapy and Adjunctive Therapy to Oral Antidiabetic Agents in Adolescents with Type 2 Diabetes

**National Institutes of Health (NIDDK)**  
3/1/09-2/29/12  
extension (see below)  
3/1/09-2/28/11  
*Genetics 2500 Study*  
Sherida E. Tollefsen – Principal Investigator  
Treatment Options for type 2 Diabetes in Adolescents and Youth

– Continuation

**Foundation for Prader-Willi Research**  
10/1/07-9/30/12  
$100,000  
Susan E. Myers and Barbara Y. Whitman  
The Effect of Growth Hormone Replacement on Physical and Behavioral Sexual Development in Persons with Prader-Willi Syndrome

**Pfizer**  
5/3/01–8/31/08  
$117,464 for 2005-2008  
Susan E. Myers and A.L. Carrel – Principal Investigator  
The Metabolic Effects of Growth Hormone on Body Composition in Infants and Toddlers with Prader-Willi Syndrome

**National Institutes of Health (NIDDK)**  
3/1/03–2/28/04  
$169,740 funded - $100,741 spent  
3/1/04–2/28/05  
$263,692 funded - $209,878 spent  
3/1/05–2/28/06  
$292,315 funded - $236,922 spent  
3/1/06–2/28/07  
$255,566 funded - $228,988 spent  
3/1/07–2/29/08  
$269,787 funded – $238,921 spent  
3/1/08–2/28/09  
$321,132 funded – $275,808 spent  
extension 3/1/09-2/29/12  funded  
3/1/09-2/28/10  
$246,881 funded

Sherida E. Tollefsen – Principal Investigator  
Treatment Options for type 2 Diabetes in Adolescents and Youth (TODAY)

**Genentech**
Sherida E. Tollefsen—Principal Investigator  
National Collaborative Growth Study: Post-Marketing Surveillance Program

**Pharmacia and Upjohn/Pfizer**
Sherida E. Tollefsen—Principal Investigator  
KABI International Growth Study: Post-Marketing Surveillance Program

**Lilly Research Laboratories**
Sherida E. Tollefsen—Principal Investigator  
The Genetics and Neuroendocrinology of Short Stature International Study

**Novo Nordisk, Inc.**
Sherida E. Tollefsen—Principal Investigator  
Norditropin National Registry
Introduction and Description

The Division of Pediatric Gastroenterology and Hepatology cares for infants, children, and adolescents with a variety of gastrointestinal and liver diseases, has active research programs in several diverse areas and participates regularly in award-winning medical education at the medical student and pediatric resident level. The range of the division’s clinical activities is very broad. Many of our patients are generally healthy but are burdened with gastroesophageal reflux disease, chronic abdominal pain, irritable bowel syndrome, chronic constipation, or other conditions which significantly disrupt their normal developmental patterns, families and school functioning. However, the division also sees a large number of patients with chronic, life-altering and life-threatening disease, which involves complex diagnostic work-ups, as well as long term management. The pediatric GI division follows more than 100 patients with Crohn’s disease and ulcerative colitis, as well as many patients with chronic liver dysfunction and metabolic diseases. The Division has an active service caring for infants and children with short bowel syndrome, many of whom are supported with long term total parenteral nutrition and some of whom have had small bowel and liver transplants. The staff of the GI division reviews on a weekly basis all inpatients at Cardinal Glennon Children’s Medical Center who are supported on parenteral nutrition.

Our division has a very successful liver transplant program for infants and children with chronic liver disease as well as for the treatment of acute fulminant liver failure. We have performed 70 liver transplants at CGCMC over the past 19 years. Our outcomes are at, or above, national benchmarks.

The pediatric GI division is involved with the Pediatric Weight Management Program, which is a novel multidisciplinary approach to the treatment of overweight children and adolescents. The Weight Management Programs includes an integrated approach to the care of these children with physicians, nurses, nutritionists and psychologists interacting with the entire family in a health and behavior plan that includes long term follow up and support. The program is frequently featured in local and national media reports on the epidemic of pediatric obesity.

The GI service also provides consultations on the care of children with nutritional disorders, or other chronic, non-gastrointestinal diseases which impact on the child’s feeding, nutrition, growth, or causes symptoms involving the GI tract. This includes advising on the placement and long-term management of feeding tubes and the analysis of specialized diets. Ongoing clinical connections are maintained between the GI service and the CF clinic regarding nutrition, GI function and liver disease management. The GI service commonly interacts with the allergy service on the evaluation and management of food allergies and eosinophillic GI disease, the pulmo-nary service regarding the contribution of GERD to asthma and respiratory disease, and with neonatology on issues including infantile feeding, liver dysfunction, and GERD.
The feeding team at Cardinal Glennon is an interdisciplinary group dedicated to the evaluation and treatment of infants and children with medical and psychological feeding and nutritional difficulties, and which interacts heavily with the GI service.

These clinical services total nearly 4,000 outpatient visits per year, more than 200 inpatient consults per year, nearly 3000 inpatient hospital days per year, and 900 endoscopic procedures per year. Our services are delivered at a variety of sites centered around our inpatient activities at Cardinal Glennon Children’s Medical Center. Outpatients are seen weekly at Cardinal Glennon, St. Anthony’s Medical center in South St. Louis County, St. Joseph’s Medical Park in St. Charles County, and monthly in Jefferson City, Missouri.

Faculty Profiles

Jose Derdoy, MD, Assistant Professor

Interests: Hepatology
Board Certification: Pediatrics; Pediatric Gastroenterology; Transplant Hepatology
Medical College: Facultad de Medicina, Universidad Nacional de Buenos Aires, Argentina
Residency: Monmouth Medical Center, Long Branch, New Jersey
Fellowship: Children’s Hospital Los Angeles, Los Angeles, California

Thomas M. Foy, MD, Associate Professor

Interests: Nutrition/short bowel syndrome
Board Certification: Pediatric Gastroenterology and Nutrition
Medical College: Vanderbilt University
Residency: Strong Memorial Hospital, Rochester, New York
Fellowship: Baylor College of Medicine

Jeffrey H. Teckman, MD, Associate Professor of Pediatrics and Biochemistry and Molecular Biology, Director

Interests: Pediatric liver disease, general gastroenterology and research
Board Certification: Pediatrics
Medical College: Washington University School of Medicine
Residency: St. Louis Children’s Hospital
Fellowship: Washington University School of Medicine

Clinic Support

Kathleen Spranaitis, RN, CPNP, Functions as a provider, with six outpatient clinic sessions weekly, which includes new patients and follow up appointments.

Kim Killebrew, RN, Clinical Nurse

Laura Hotle, RN, CPNP, Clinical Nurse

Staff

Emily Hermann, Medical Secretary

Erica Blackmon, Senior Patient Coordinator
Division of Gastroenterology & Hepatology

Research

Dr. Jose Derdoy continues to participate in NIH funded research as part of a multi-center study of fatty liver disease. He is the Principle Investigator for our site (one of 8 centers nationally).

Dr. Thomas Foy is the Principle Investigator for the PIBDNet collaborative database on pediatric inflammatory bowel disease. This is a multi-center study of pediatric inflammatory bowel disease and the largest collection of pediatric data ever compiled for this disease.

Dr. Jeffrey Teckman has an ongoing, NIH-funded basic science research program in liver injury using the genetic disease, alpha-1-antitrypsin deficiency as the primary model system. Dr. Teckman has had 15 years of continuous research funding in this area and has been involved in basic science studies and human drug trials. In June 2009 Dr. Teckman was awarded a new, private foundation basic science grant, in addition to his existing funding. Dr. Teckman is also the Principle Investigator for our site of an NIH funded, multi-center study (one of 11 centers nationally) in pediatric metabolic liver disease. Dr. Teckman also collaborates on funded projects with Canadian investigators on genetic studies of cystic fibrosis liver disease, and is funded for pediatric drug trails through Ception therapeutics.

Publications


Derdoy J, Hofstra T, Genyk Y, Thomas DW. Medically Treated Aplastic Anemia in Children Transplanted for Fulminant Non-Typable Viral Hepatitis (submitted for publication).

Simpson N, Simpson P, Derdoy JD, Thomas D, Gonzalez I, Laine L. Familial Autoimmune Enteropathy Affecting an Adult Patient and Her Two Children (submitted for publication).


Honors and Other Academic Activities

Jose Derdoy, MD
HRC Pediatrics Clinic, August 2007/2008
Committees
Member, Argentinean Pediatric Association, 1993-present
Member, Argentinean National Academy of Medicine, 1994-present
Member, American Academy of Pediatrics, 1997-present
Member, North American Society for Pediatric Gastroenterology, Hepatology and Nutrition, 2000-present
Member, American Gastroenterological Association, 2001-present

Thomas Foy, MD
“Best Doctors in St. Louis,” 2008
“Best Doctors in America” 2008
Volunteer coverage of pediatric outreach clinic
Committees
American Society for Parenteral and Enteral Nutrition
North American Society for Pediatric Gastroenterology and Nutrition
Chairman, Nutrition Advisory Committee
Housestaff Advisory Committee, SLU Department of Pediatrics
Division of Gastroenterology & Hepatology

**Jeffrey Teckman, MD**

“Best Doctors in St. Louis,” 2008
“Best Doctors in America” 2008
Physician Appreciation Award, Alpha-1 Association
Alpha-1 Kids Service Award
Alpha-1 Foundation Educational Material Working Group
Board of Directors, Friends of the Saint Louis University Liver Center
Patient Education Speaker, Alpha-1 Association, Alpha-1 Foundation
Alpha-1 Foundation Grants Review Working Group
Speakers Bureau, American Liver Foundation
Committees
  - Alpha-1 Foundation Medical and Scientific Advisory Committee
  - Organizing Committee, Alpha-1 National Patient Education Conf.
  - Crohn’s and Colitis Foundation, Medical Advisory Committee

**Presentations/Lectures**

**Jose Derdoy, MD**

**Thomas Foy, MD**
Diagnosis of Inflammatory Bowel Disease,” Practical Pediatrics Lecture Series, Saint Louis University Department of Pediatrics, October 31, 2007.

**Jeffrey Teckman, MD**
“Updates in Pediatric Gastroenterology” Lecture, July 10, 2008. Cape Girardeau, MO.
Speaker, Newborn Screening Workshop, Arlington, VA. September, 2008.
Pediatric Grand Rounds, Washington University School of Medicine, St. Louis, MO, March, 2009.

**Division Staff**
Support of Crohns and Colitis Foundation pediatric summer camp
American Liver Foundation fund raising dinner
Operation Lift-off, travel experience for liver transplant patients

**Grants**

**NIH/NIDDK U01-DK 61718-01**
  Jose J. Derdoy—Co-Investigator
  Hyperinsulinemia and Hepatogenesis of NASH

**AHRQ 1K08 HS 013901-01 03 yr**
  Neuschwander-Tetri -Principal Investigator
  Jose J. Derdoy -Principal Investigator
  Improving Obesity Care in the Pediatrician’s Office $100,000 (direct costs)
Division of Gastroenterology & Hepatology

Teckman JH

NIH: Cholestatic Liver Disease in Children (CLiC) Research Consortium
Shepherd-Principal Investigator
Jeffrey Teckman-Co-Investigator 04-05; Consultant 05; Center Principal Investigator 05-09

NIH: Therapy for Alpha-1-AT Deficiency Liver Disease NIH RO1-DK067489
Jeffrey Teckman-Principal Investigator
01 yr $150,000 (direct costs)

NIH(subcontract) Hepatitis B Research Network NIH U01 DK082871 10/1/08-9/30/15
Adrian DiBisceglie-Principal Investigator
Jeffrey Teckman-Pediatric Center Principal Investigator

1/1/09-present
Ception Therapeutics multi-center study of Reslizumab for eosinophilic esophagitis
Jeffrey Teckman-Center Principal Investigator

Hospital for Sick Children and Genome Canada 3/31/07- present
Durie-Principal Investigator
Jeffrey Teckman-Center Principal Investigator
The Contribution of Genetic Modifiers of Disease Severity in Cystic Fibrosis to other Diseases with Similar Phenotype.
Mission Statement: Through quality patient care, innovative education, creative research, and vigorous advocacy, the Division of General Academic Pediatrics of the Saint Louis University School of Medicine partners with patients, parents and the community to assure that the physical, emotional, and spiritual needs of this and future generations of children will be met with competence, dignity, justice and compassion. Division members provide a wide variety of medical services to patients at SSM Cardinal Glennon Children’s Medical Center. University Pediatrics is the primary care practice of the Department of Pediatrics, serving as the medical home for approximately 10,000 patients with 15,000 visits per year. The patients cared for at University Pediatrics have more serious acute and chronic medical problems and more social/ economic problems than patients in a typical community practice. The General Academic Pediatrics faculty is actively involved in inpatient care of patients at Cardinal Glennon, accounting for one half of the inpatient faculty attending positions on the ward services.

The Medical Diagnostic Clinic, a consultation service offered to referring physicians, is operated by the General Academic Pediatrics Faculty. Division members have broad expertise, with special interest in failure to thrive; adoption medicine; community pediatrics; advocacy; urinary tract infections; voiding dysfunction; adolescent health care; sports medicine; the effect of media on children; health care needs of gay and lesbian youth; international child health; endocrinology; developmental delay; attention deficit hyperactivity disorder; newborn medicine; neurofibromatosis and care of the child with special health care needs.

Members of General Academic Pediatrics are recognized for their interest and expertise in the education of students at all levels of pediatric education: PA students; medical students; residents (Pediatrics, Med-Peds, Family Medicine, and others); and community physicians. Dr. Jay Noffsinger, the Medical Student Education Coordinator, has been awarded seven Golden Apple Awards by the graduating classes from the School of Medicine, including this years award. Members of the Division have been recognized with innumerable teaching awards by the residents in pediatrics, and have been cited as excellent teachers by several other disciplines. Teaching is provided at University Pediatrics; on the general ward services; in the newborn nursery at St. Mary’s Health Center; through formal and informal conferences for students and residents; in specialty clinics staffed by General Academic Pediatrics faculty. Dr. Heidi Sallee is the Residency Program Director. Dr. Mark Eddy coordinates Continuing Medical Education for community physicians. Dr. Jay Noffsinger is the Associate Director for the Saint Louis University Sports Medicine Fellowship program and Director of Medical Student Education for the Department of Pediatrics as well as serving as Interim Director of the General Academic Division of Pediatrics since January 2009. Advocacy for the needs of all children, but particularly for the underserved, is a major focus of the Division of General Academic Pediatrics. Dr. Ken Haller is Chairman of the Department of Pediatrics Advocacy Committee. Division members serve on countless community boards, including Catholic Charities, Special School District, Head/Start, and many others. Dr. Haller is a member of the School of Medicine working group to develop curricula to teach culturally competent approaches to disease management. Dr. Sandy McKay supervises a model program for
immersion of residents in the community, through the Community Health Rotation. Dr. Heidi Sallee and Dr. Shahida Naseer is actively involved in curriculum development related to screening for Intimate Partner and Teen Dating Violence. Dr. Jennifer Ladage offers International Adoption Medicine Consultation Services through the FACES Program. She is also a regular participant in medical mission trips to Malawi. Dr. Jay Noffsinger has served as the Assistant Medical Director for NCAA Division I National Hockey Championships, National Wrestling Championships and Regional and National Basketball Tournaments.

General Academic Pediatric Faculty play key roles in both Saint Louis University Administration, as well as SSM Cardinal Glennon Children’s Medical Center Administration. Dr. Susan Heaney serves as Vice-President for Medical Affairs for Cardinal Glennon; Interim Director for Adolescent Medicine Division; Chair, Faculty Affairs Committee of the Saint Louis University School of Medicine; and Member, Admissions Committee of the Saint Louis University School of Medicine.

Dr. Timothy Fete served as Associate Chairman for Clinical Affairs, as well as on the UMG Governing Board and the Legal Committee of the UMG before departing in January 2009. Outcomes Research is an area of new development for the division.

Dr. Donna Halloran is conducting studies related to infant outcomes using insurance claims data and birth certificate data and is networking with faculty from the SLU Center for Outcomes Research, the SLU School of Public Health, and the Washington University Clinical Research Training Center. She remains a recipient of the KL2 award from the Multidisciplinary Clinical Research Development Program.

**Faculty Profiles**

**Shahnaz Ahmad, MD,** Clinical Assistant Professor

- **Board Certification:** Board Eligible
- **Medical College:** Nishtar Medical College, Pakistan
- **Residency:** Cardinal Glennon Children’s Hospital
- **Fellowship:** Ambulatory Pediatrics, Cardinal Glennon Children’s Hospital

**Elizabeth Babusis, MD,** Adjunct Assistant Professor

- **Special Interests:** Vaccine research and development, weight management, lipid disorders
- **Board Certification:** Pediatrics; Internal Medicine
- **Medical College:** Saint Louis University
- **Residency:** Saint Louis University Hospital and Cardinal Glennon Children’s Hospital

**James Bowers, MD,** Clinical Professor

- **Special Interests:** Primary care pediatrics and newborn care
- **Board Certification:** Pediatrics
- **Medical School:** Saint Louis University
- **Residency:** Cardinal Glennon Children’s Hospital
General Academic Pediatrics

David P. Dempsher, MD, PhD, Associate Professor

Special Interests: Diabetes mellitus, disorders of growth
Board Certifications: Pediatrics; Pediatric Endocrinology
Medical College: Johns Hopkins University
Residency: Vanderbilt University Hospital
Fellowship: Endocrinology, Washington University School of Medicine-St. Louis

Mark C. Eddy, MD, Assistant Professor

Special Interest: Inherited disorders of bone and connective tissue
Board Certification: General Pediatrics
Board Eligible: Pediatric Endocrinology
Medical College: University of Missouri-Columbia School of Medicine
Residency: The Children’s Mercy Hospital, Kansas City, Missouri
Fellowship: Pediatric Endocrinology, Washington University School of Medicine-St. Louis

Timothy J. Fete, MD, MPH, Division Director, (until January 2009) Professor

Special Interests: Developmental delay, failure to thrive, ectodermal dysplasias, care for children with special health needs
Board Certification: Pediatrics
Medical College: Washington University School of Medicine-St. Louis
Residency: St. Louis Children’s Hospital
Fellowship: Ambulatory Pediatrics, Saint Louis Children’s Hospital
Masters Public Health: Saint Louis University

Kenneth A. Haller, MD, Associate Professor

Special Interests: Resident education in community settings, advocacy for underserved populations, public relations, effect of media on children, health care needs of gay and lesbian youth
Board Certification: Pediatrics
Medical College: Creighton University School of Medicine
Residency: Lenox Hill Hospital
Fellowship: Winthrop University Hospital

Donna R. Halloran, MD, MSPH, Assistant Professor

Special Interests: Infant outcomes research
Board Certification: Pediatrics
Medical College: The University of Texas Health Science Center at San Antonio
Residency: Vanderbilt University
Fellowship: General Academic Pediatrics, University of Alabama-Birmingham
Masters Public Health: University of Alabama-Birmingham

M. Susan Heaney, MD, MPH, Associate Professor

Special Interests: Adolescent health care in a primary care setting, failure to thrive, pediatric residency training in primary care, medical administration, mentoring
Board Certification: Pediatrics
Medical College: Creighton University School of Medicine
Residency: Cardinal Glennon Children’s Hospital
Masters Public Health: Saint Louis University School of Public Health
Barbara Huber, RN, CPNP
Special Interests: Primary care in underserved populations
PNP Education: Washington University School of Medicine-St. Louis

Timothy Kutz, MD, Associate Professor
Special Interests: Child protection, head injury, forensic medicine
Board Certification: Pediatrics
Medical College: University of Missouri-Columbia
Residency: Loyola University Medical Center, Chicago
Fellowship: Child Protection, University of Colorado

Gene LaBarge, MD, Adjunct Assistant Professor
Special Interests: Primary care
Board Certification: Pediatrics
Medical College: Saint Louis University
Residency: Cardinal Glennon Children’s Medical Center

Jennifer S. Ladage, MD, Assistant Professor
Special Interest: Adoption medicine
Board Certification: Pediatrics
Medical College: Saint Louis University School of Medicine
Residency: Cardinal Glennon Children’s Hospital

Sandra McKay, MD, MS, Instructor
Special Interests: Newborn care, community pediatrics
Board Certification: Board eligible
Medical College: University of Missouri, Columbia
Residency: Cardinal Glennon Children’s Medical Center

Shahida R. Naseer, MD, Associate Professor
Special Interests: Urinary tract infection, voiding dysfunction, nocturnal enuresis, breastfeeding
Board Certification: Pediatrics
Medical College: Dow Medical College, Karachi, Pakistan
Residency: Cardinal Glennon Children’s Hospital

Jay E. Noffsinger, MD, Professor
Special Interest: Sports medicine
Board Certifications: Pediatrics; Sports Medicine
Medical College: Indiana University School of Medicine
Residency: Naval Regional Medical Center, Oakland, California

Douglas Nozaki, MD, Assistant Clinical Professor
Board Certification: Pediatrics
Medical College: Saint Louis University School of Medicine
Residency: Cardinal Glennon Children’s Hospital
Heidi M. Sallee, MD, Assistant Professor

Special Interests: Educational innovation in primary care, patient/family education, intimate partner and teen dating, violence screening, residency education

Board Certification: Pediatrics

Medical College: Saint Louis University School of Medicine

Residency: Cardinal Glennon Children’s Hospital

Fellowship: Primary Care Faculty Development, Michigan State University

Michelle Sineff, MD, Adjunct Instructor

Special Interests: Clinical care and education in primary care pediatrics

Board Certification: Board eligible

Medical College: Brown University School of Medicine

Residency: Lutheran General Children’s Hospital, Park Ridge, IL (PGY-1) and Cardinal Glennon Children’s Hospital (PGY-2 and 3)

Elizabeth Sugarbaker, MD, Assistant Professor

Special Interests: International pediatric medicine, neurofibromatosis

Board Certification: Pediatrics

Medical College: Saint Louis University School of Medicine

Residency: Cardinal Glennon Children’s Hospital

Research Highlights
The Division of General Academic Pediatrics is involved in a broad array of research projects, collaborating with investigators from other divisions within the Department of Pediatrics, other disciplines within Saint Louis University, and with researchers from other institutions.

David P. Dempsher, MD, PhD, is participating in industry-sponsored studies involving growth hormone therapy. He is conducting an industry-sponsored protocol on the use of Amaryl in children with type 2 diabetes. He has a standing protocol for a multi-institutional study on outcomes of children with genital ambiguity. He is participating in the multi-institutional NIH-funded TODAY study on the treatment of type 2 diabetes mellitus in children.

Mark C. Eddy, MD, is a co-investigator on several studies related to the management of short stature with growth hormone, including small for gestational age children and growth hormone deficient children.

Timothy J. Fete, MD, MPH, is participating in two studies related to patients affected with ectodermal dysplasia (E.D.). The first study is in collaboration with Baylor College of Medicine, assessing growth in children with Ankyloble pharon-Ectodermal Dysplasia-Clefting Syndrome (AEC). The second study is to assess the prevalence of atopy and immune deficiency in children with ectodermal dysplasia, in collaboration with the Pediatric Division of Allergy/Immunology and the Departments of Dermatology and Otolaryngology, as well as the Baylor College of Medicine Division of Pediatric Gastroenterology and Nutrition.

Donna R. Halloran, MD, MSPH, is conducting studies related to infant outcomes using insurance claims data and birth certificates, in particular the outcomes for late preterm infants over the first year of life. She is collaborating with faculty from SLUCOR, assessing perinatal outcomes using pharmacy and medical claims linked to birth certificates. She is also examining the effects of maternal obesity and postterm deliveries on perinatal complications.

M. Susan Heaney, MD, is pursuing an interest in Data Base Management of Resident Continuity Clinics and Continuity of Care by Residents in Training. She is also involved in the assessment of wait times in a multispecialty pediatric ambulatory care center, evidence-based medicine in pediatric residency, and curriculum development in resident continuity clinics.

Sandra McKay, MD, faculty mentor for resident QA/QI project.
Shahida R. Naseer, MD, is actively involved in a multicenter educational study, “Breast-feeding Promotion in Physician Office Practices: Phase III Residency Curriculum Pilot Study.”

Heidi M. Sallee, MD, is collaborating with the SLU Department of Psychology in educational research related to screening for Intimate Partner and Teen Dating Violence Screening in the pediatric office setting. In addition she is working with Dr. Heaney on a national (CORNET) resident education research project.

Publications

Eddy MC, Luisiri A. Improvement of tumoral calcinosis following 20 months of intranasal salmon calcitonin therapy. Pediatr Res (suppl 1) 2008 (abs #3798).

Eddy MC, Gottesman GS. Newborn Metabolic Screening and Related Pitfalls, Featured Scientific Review in Missouri Medicine, May/June 2009.


Halloran DR: Validity of Pure Tone Hearing Screening in the Primary Care Setting, Archives of Pediatric and Adolescent Medicine, re-submitted with revisions, June 2008.

Ladage J. Medical issues in international adoption and their influence on Language development. Top Language Disorders, Feb 2009, 29(1), 6-17.


Abstracts

Motil KJ, Fete TJ: “Growth, Nutritional and Gastrointestinal Features of Ankyloblepharon-Ectodermal Dysplasia with Cleft Lip and/or Palate Syndrome.” In preparation for submission.

Mark, B, Fete TJ: “Prevalence of Atopic Disorders and Immunodeficiencies in Hypohidrotic Ectodermal Dysplasia” In preparation for submission.


Duong M, Peter J, Halloran DR, Barenkamp S. A Double Blinded Randomized Controlled Trial for the Management of Pediatric Community Acquired Skin Abscesses – To Treat or Not To Treat with Antibiotics. Pediatric Academic Societies 2008 (Platform Presentation), Midwest Society for Pediatric Research 2008 (Platform Presentation)


Honors and Other Academic Activities

Mark Eddy, MD
Ad Hoc Reviewer, Journal of Pediatrics

Tim Fete, MD
Ad Hoc Reviewer, Journal of Pediatrics
Reviewer National Foundation for Ectodermal Dysplasias research fund
Best Doctors in America/Best Doctors in St. Louis, 2007/2008

Kenneth Haller, MD
Course Co-Director, ACS-1: Child and Adolescent Development
Medical Editor, Focus on Pediatrics
Faculty Advisor:
   SLUSOM Pediatrics Interest Group
   SLU Rainbow Alliance
Committees:
   Chair, SLU Faculty Senate Affirmative Action and Diversity Committee
   Member, SLU Dept of Peds Advocacy Committee
   Co-Chair, SLU Dept of Peds Faculty Development Committee
   Co-Champion, SLU Dept of Peds Strategic Planning Process
   Chair, SLU Dept of Peds Strategic Planning Process Mission and Values Subcommittee
   Member, SLUSOM Minority Diversity Task Force
   Member, SLUSOM Associate Dean for Multicultural Affairs Search Committee
   Member, Glennon Web CME Task Force
   Member, UMG Physician Marketing Committee
   Member, Continuity Clinic Task Force
   Member, Housestaff Advisory Committee
   Member, Glennon Legislative Advocacy Committee
   Member, MO APP Membership Committee

Donna Halloran, MD
Southern Society for Pediatric Research Young Faculty Award, 2009
Ad Hoc Reviewer:
   Maternal and Child Health Journal
   Journal of Pediatrics
   Journal of Perinatology
Reviewer:
   Pediatric Academic Societies
Moderator, Southern Regional Meeting, Pediatric Academic Societies

Sue Heaney, MD
Honorarium, CORNET Bright Futures Study, $500.00, September 15, 2008
Nominee, 2008 St. Luke’s Award, Mission Awareness Team, Pastoral Care, Physician Relations –
   Cardinal Glennon Children’s Medical Center, October 17, 2008
Exceptional customer service, Cardinal Glennon’s World Championship Service Program, December 2008
Best Doctors in America 2009
General Academic Pediatrics

Jenny Ladage, MD
Mentorship:
- Teresa Staten, Creighton University, pre-medical/undergraduate student. Supervision of data entry into database for international adoptees seen in the FACES Clinic. Summer 2008
- Allie Grither, John Hopkins University, pre-medical/undergraduate student. Supervision of data entry into database for international adoptees seen in the FACES Clinic. Summer 2009
- Sarah Daley, Creighton University, doctorate student in Occupational Therapy, supervised 16 week self-directed fieldwork rotation in adoption medicine and observership in the FACES Clinic. Oct-Dec 2008
- Preethi Rangachari, MS III, Continuity of Care Elective, Fall 2008 to present.
- Amy Bilyeu, MS III, Continuity of Care Elective, Fall 2008 to present.
- Katie Knoederseder, MS III, Continuity of Care Elective, Fall 2008 to present.

Sandra McKay, MD
Director of CARE Program
Co-Director of Continuity of Care elective for medical students
Committees:
- Member of Maternal Child and Family Health Coalition (MCFHC),
- Elected to education committee
- Member of AAP MO Chapter Legislative Advocacy Committee

Jay Noffsinger, MD
Golden Apple Award from graduating medical student class of 2009 for best teacher in clinical years

Heidi Sallee, MD
Certificate of Leadership from the Saint Louis University Women’s commission “in recognition of her outstanding leadership contributions” at the 28th YWCA Leaders Lunch, December 2008
Expert Panel Participation, Residency Panel and Workshop, Saint Louis University School of Medicine, AMSA, February 2009
Expert Panel Participation, Women in Medicine Panel, Saint Louis University School of Medicine, AMWA, April 2009
Residency Information Panel, Saint Louis University Pediatric Interest Group, April 2009
Reviewer:
Ad hoc Reviewer:
- Journal of Pediatrics
Committees:
- Member, Medical Executive Committee (SSM CGCMC), Dec 2008—present
- Member, Women in Medicine Task Force (SLU), January 2009—present
- Member, Strategic Planning Committee (SLU Dept of Peds), April 2009—present

Presentations
Tim Fete, MD
“Overview of the Ectodermal Dysplasias” University of Iowa School of Dentistry, Iowa City, IA, July 2008.
“Overview of the Ectodermal Dysplasias,” University of Iowa School of Medicine, Department of Dermatology Grand Rounds, July 2008.
General Academic Pediatrics


Kenneth Haller, MD
St Louis Post-Dispatch, September 2008, “helicopter parents”
ABCNews.com, September 2008, flu prevention
St. Louis Post-Dispatch, October 2008, using the economy to teach children values
ParentCenter.com, November 2008, discussing the election with your child
KTRS-AM 520, November 2008, discussing the election with your child
St. Louis Post-dispatch, November 2008, helping kids feel altruistic during the holidays
KTRS-AM 520, November 2008, effects of social e-networking on teens
American Medical News, December 2008, preventing injuries from unwrapping holiday packages
KTVI-TV Channel 2, December 2008, preventing injuries from unwrapping holiday packages
KFUO-FM, December 2008, kids and the holidays
KFUO-FM, January 2009, screening for depression
KTVI-TV Channel 2, January 2009, sledding safety
KTRS-AM 520, February 2009, bedsharing
KTVI-TV Channel 2, February 2009, vaccine court rules that vaccines do not cause autism
KMOX-AM 1120, peanut allergy
KTVI-TV Channel 2, April 2009, genetic markers for autism
KMOX-AM 1120, April 2009, swine flu
KWMI-FM 90.7, May 2009, Ask the Pediatrician
KMOX-AM 1120, May 2009, swine flu
Associated Press, May 2009, “princess culture”
KMOV-TV Channel 4, May 2009, Facebook and kids

Sue Heaney, MD
“Failure to Thrive,” Junior student noon lecture series, July 21, 2008
Pediatric Resident Noon Conference Core Lecture Series, August 26, 2008
Junior student Noon Lecture Series, September 15, 2008
Junior student noon lecture series, November 10, 2008
Junior Student noon lecture series, January 19, 2009
Junior Student noon lecture series, March 18, 2009
Junior Student Lecture Series, May 14, 2009
Adolescent Division Luncheon Visit to Saint Louis Behavioral Medicine Institute to learn about their Eating Disorders Intensive Outpatient Program, Chesterfield, MO. August 4, 2008.
“Faculty Affairs” Presentation at the Saint Louis University School of Medicine New Faculty Orientation, Busch Student Center. August 20, 2008.
Participant, LCME site visit SLU SOM, Institutional Faculty Issues, October 22, 2008.
Invited Speaker for “Informed Consent, Competence, and Decision-Making Capacity” Panel for Ethics PPS I, LRC
Saint Louis University School of Medicine, January 15, 2009.
Invited Speaker, Panel Discussion on Diversity at the Jesuit Medical Colleges Symposium, hosted by Saint Louis University School of Medicine, Edward A. Doisy Research Center. March 10, 2009.
General Academic Pediatrics

**Sue Heaney, MD**

“Intention to Treat” – EBM mini lecture, Pediatric Resident noon conference, April 24, 2009.
Faculty Affairs Committee Report, Saint Louis University School of Medicine General Faculty Meeting, Learning Resource Center, May 11, 2009.
“Professionalism,” Invited speaker, Saint Louis University Graduate Medical Education new resident orientation, Allied Health Building, June 16, 2009.
Continuity Clinic and Ambulatory Pediatric Orientation Session for new residents, Danis Auditorium, June 18, 2009.

**Jenny Ladage, MD**

Medical issues in international adoption, invited presentation by Bethany Christian Adoption Agency, to groups of waiting families, St Louis, MO, February 2009 and May 2009.

**Sandra McKay, MD**

Lecture to residents on hearing screening, car seat safety, child advocacy.
Participated in MCFHC Solutions for a Health Community seminar.

**Jay Noffsinger, MD**

Invited speaker at National Uniformed Services Annual Pediatric Seminar on Pediatric Sports Medicine.

**Heidi Sallee, MD**

“Parents can temper a child’s tantrum”, St Louis Post Dispatch, October 8, 2008.
Resident Lecture “Parenting”, October 14, 2008.
Ongoing, MS3 Noon lecture presented each rotation (6 times per year) “Intimate Partner Violence Screening in Pediatrics.”

**Grants**

*National Foundation for Ectodermal Dysplasias* 2006-2008 $13,000
Timothy Fete—Principal Investigator
Prevalence of Atopic Disorders and Immune Deficiency in Ectodermal Dysplasia Disorders

*Merck, Mead Johnson* $7,500
Timothy Fete—Principal Investigator
Fifth Annual Pediatric Symposium of the Black Hills (Industry Educational Support Grants)

*NIH Pediatric Loan Repayment Program* 2006—2008 $14,000/year
Donna Halloran—Principal Investigator
The Unexplored Burden of Term Small-for-Gestational-Age Infants
### General Academic Pediatrics

**KL2 Multidisciplinary Clinical Research Development Program (MCRCDP) KL2RR024994**  
Donna Halloran—Principal Investigator  
Burden of Late-Preterm Births Throughout the First Year of Life (To assess the rate and cost of respiratory disorders in late-preterm infants during the first year of life.)

**KL2 Multidisciplinary Clinical Research Development Program (MCRCDP)**  
2006-2008  
$125,000 /year  
Donna Halloran—Principal Investigator  
The Unexplored Burden of Term Small-for-Gestational-Age Infants

**CATCH CPTI training grant**  
2009-2010  
$12,000  
Sandra McKay—Principal Investigator

**American Academy of Pediatrics**  
2008  
$500  
Shahida Naseer—Principal Investigator

**American Academy of Pediatrics**  
2008  
$2,500  
Shahida Naseer—Principal Investigator  
Breastfeeding Promotion in Physicians’ Office Practices, Residency Curriculum Pilot Project

**HRSA Bureau of Health Professions**  
2007-2010  
$269,472  
Shahida Naseer—Principal Investigator  
Pediatrics-Psychology Partnership for Prevention of Dating Violence
Division of Hematology/Oncology

Introduction and Description

The Division of Hematology-Oncology provides a full range of clinical services to children and adolescents with blood disorders and cancer. The Division’s referral area extends throughout Missouri and southern Illinois. Inpatient services include a four-patient Hematopoietic Stem Cell Transplantation unit. Outpatient services are provided within the Bob Costas Center and include consultations for new patients, ongoing clinical care for patients with blood disorders or cancer, chemotherapy infusions, and blood component transfusions. There are currently 6 clinical programs within the Division:

- **Hematopoietic Stem Cell Transplantation**: Dr. Bhatla serves as our lead transplant physician following the departure of Dr. Triplett in June, 2009.
- **Neuro-Oncology Program**: Dr. Gauvain is responsible for this program which has markedly expanded its activities over the last 3 years.
- **Hemostasis Program**: Dr. Hugge is administrative director of this program, and Dr. Puetz is clinical director. The program includes an expanding 340B program that facilitates distribution of clotting factor concentrates to patients and is beginning to generate significant income for the hospital. It is the only federally-designated pediatric Hemophilia Treatment Center in the St. Louis area.
- **Sickle Cell Anemia/Hemoglobinopathies Program**: Dr. Ferguson is interim director of this program, which includes a monthly clinic in Centreville, IL.
- **Apheresis Program**: Dr. Hugge is the physician director of this program.
- **Long-term Follow-up**: Dr. Puetz is the physician director for this program.

The clinical programs include regular multi-disciplinary clinics in Neuro-oncology, Hemostasis, and Long-term Follow-up; within the last year a specific Neuro-oncology Long-term Follow-up clinic has been started.

The Division is committed to advancing the care of children through collaboration with basic science research as well as numerous clinical research programs. The Division is an active participant in the Children’s Oncology Group. The Division participates in several national and pharmaceutical company-sponsored studies in hemostasis, as well as being an active participant in the Center for International Blood and Marrow Transplant Research. Within the last year the Division has participated in Phase I and II trials testing new drugs for neuroblastoma, and is one of the founding institutions of the newly-formed Neuroblastoma and Medulloblastoma Translational Research Consortium.

Members of the Division take an active role in the education of residents and medical students, both by providing didactic lectures as well as serving as attending physician supervision for subspecialty and general pediatric patients and supervising residents and students doing electives in hematology-oncology.

The Division collaborates closely with the Saint Louis Cord Blood Bank, with Dr. Ferguson serving as Director. During the last year Dr. William Miller was recruited to become Medical Director. The Bank received funding from the State of Missouri to expand minority recruitment and from the Health Resources and Services Administration to participate in the National Cord Blood Inventory program, established as part of the C.W. Bill Young Cell Transplantation Program. The number of cord blood units donated, stored, and exported for transplant continue to grow each year, and the SLCBB is currently one of the largest such programs in the country.
Faculty Profiles

Deepika Bhatla, MD, Assistant Professor, Assistant Director, Stem Cell Transplantation Program

**Interests:** Leukemias, lymphomas, neuroblastoma, stem cell transplantation

**Board Certification:** Pediatrics; Pediatric Hematology-Oncology

**Medical School:** Lady Hardinge Medical College and Smt Sucheta Kripalani Hospital, New Delhi; University College of Medical Sciences and Guru Teg Bahadur Hospital, New Delhi

**Residency:** University of Kentucky Chandler Medical Center

**Fellowship:** Cincinnati Children’s Hospital Medical Center

William S. Ferguson, MD, Bob Costas Professor of Pediatrics, Director, Division of Hematology-Oncology

**Interests:** Bone and soft tissue sarcomas, new drug development, hemoglobinopathies

**Board Certification:** Pediatrics; Pediatric Hematology and Oncology

**Medical School:** New York University School of Medicine

**Residency:** Children’s Service, Massachusetts General Hospital

**Fellowships:** Children’s Service, Massachusetts General Hospital, Center for Cancer Research, Massachusetts Institute of Technology

Gordon B. Gale, MD, Professor, (Primary appointment in the Division of Critical Care)

**Interests:** Critically ill children, pain control, resident education

**Board Certification:** Pediatrics; Pediatric Hematology and Oncology; Pediatric Critical Care

**Medical College:** Saint Louis University School of Medicine

**Residency:** Saint Louis University /Cardinal Glennon Children’s Hospital

**Fellowships:** Children’s Hospital of Philadelphia

Karen Gauvain, MD, Assistant Professor, Director, Neuro-Oncology Program

**Interests:** Central nervous system tumors, general hematology and oncology

**Board Certification:** Pediatrics; Pediatric Hematology-Oncology

**Medical College:** Saint Louis University

**Residency:** Washington University/St. Louis Children’s Hospital

**Fellowship:** Washington University/St. Louis Children’s Hospital

Christopher Hugge, MD, Assistant Professor, Administrative Director, Hemostasis Program

**Interests:** Hemostasis, general pediatric oncology

**Board Certification:** Pediatrics; Pediatric Hematology and Oncology

**Medical College:** Saint Louis University

**Residency:** Saint Louis University/Cardinal Glennon Children’s Hospital

**Fellowship:** Washington University/St. Louis Children’s Hospital

Dennis M. O’Connor, MD, Professor, (Primary appointment in the Division of Infectious Disease)

**Interests:** Central nervous system tumors; infection in compromised hosts

**Board Certification:** Pediatrics; Pediatric Hematology and Oncology; Pediatric Infectious Diseases

**Medical College:** Saint Louis University School of Medicine

**Residency:** Saint Louis University/Cardinal Glennon Children’s Hospital

**Fellowship:** Washington University/St. Louis Children’s Hospital

John Puettz, MD, Clinical Associate Professor, Medical Director, Oncology Long-term Follow-up Clinic

**Interests:** Long-term follow-up for oncology patients, disorders of coagulation

**Board Certification:** Pediatrics

**Medical College:** Washington University/St. Louis Children’s Hospital

**Residency:** Washington University/St. Louis Children’s Hospital

**Fellowship:** University of Utah
Brandon Triplett, MD, Assistant Professor, Medical Director, St. Louis Cord Blood Bank, Assistant Director, Stem Cell Transplantation Program

**Interests:** Leukemia, Stem cell transplantation, Stem cell Biology

**Board Certification:** Pediatrics; Pediatric Hematology-Oncology

**Medical College:** Saint Louis University

**Residency:** Saint Louis University/Cardinal Glennon Children’s Hospital

**Fellowship:** St. Jude Children’s Research Hospital

### Professional Staff
- Patricia Codden, RN, MSN, CPON
- Abigail Sharamitaro, RN, MSN, CPNP, CPON
- Jan Armstrong, RN, BSN
- Stacy Smith, BA
- Jessica Carl, BA
- Sue Yates, RN
- Marsha Steffen, RN, CPON
- Karen Imperiale, RN, BSN, CPON
- Dawn Ebeling, RN
- Christina Ré, RN, BSN
- Robert Parker, RN, BSN
- Susan Pardeshi, RN, BSN
- Peggy Schneider, RN
- Kristie Schulz, RN, BSN, CPON
- Diane Migneco
- Mickey Ennis
- John Mossman
- Katherine Maxwell, RN, BSN, CCRP
- Michele McHugh, RN, BSN
- Kim Selig, MSW, LCSW
- Sr. Jane Rombach, MSW

### St. Louis Cord Blood Bank
- William V. Miller, MD
- Donna M. Regan, MT (ASCP) SBB
- David Hopkins, BSc
- Jonathan D. Wofford, MPH
- Caswalyn Landry-Ivory, MHS, C-MT(ASCP)
- Kathy A. Mueckl, RN, BSN
- Kathleen Fortune, MT (ASCP)
- Kristine M. Wassmer, RN, BSN
- Jennifer Sander, BA
- Charlene Mitchell
- Michael Macke, MT (ACSP)
- Christianna Henderson, MT, AA
- Kathryn Halbert, BSc
- Christi Llewellyn, BS, AAS, MT (ASCP)
- Michelle Howard, BA
- Melissa McKenna, MLT (ASCP)
- Jessica White, MLT (AMT)
- Virginia Stackle, RN
- Jill Jackson, RN BSN
- Pauline Cauley

- Clinical Nurse Specialist
- Pediatric Nurse Practitioner
- Transplant Coordinator
- Transplant Data Coordinator
- Administrative Director, Bob Costas Center
- Nurse, Bob Costas Center
- Nurse, Bob Costas Center
- Nurse, Bob Costas Center
- Nurse, Bob Costas Center
- Nurse, Bob Costas Center
- Hemophilia Nurse Coordinator
- Nursing Director, Hematology-Oncology Inpatient Service
- Nurse Educator, Hematopoietic Stem Cell Program
- Medical Secretary
- Clinic Secretary
- Clinic Secretary
- Research Nurse Supervisor
- Research Nurse
- Hematology-Oncology Social Worker
- Hemostasis Social Worker

- Medical Director
- Executive Director
- Business and Operations Manager
- Biostatistician
- Technical Supervisor
- Nurse Coordinator
- Quality Control Analyst
- Search and Export Coordinator
- Data Management & Search Specialist
- Data Management Assistant
- Clinical Lab Scientist
- Clinical Lab Scientist
- Clinical Lab Scientist
- Clinical Lab Scientist
- Clinical Lab Scientist
- Clinical Lab Scientist
- Clinical Lab Scientist
- Research Nurse
- Research Nurse
- Program Support Technician
Research Highlights

Deepika Bhatla, MD: Research interests include the treatment of acute leukemias and lymphomas, neuroblastoma, and stem cell transplantation.

William S. Ferguson, MD: Research interests include continued participation in front-line Children’s Oncology Group studies treating newly diagnosed osteosarcoma, as well as clinical trials evaluating new antineoplastic agents in the treatment of solid tumors, in particular neuroblastoma. Over the last year CGCMC was one of two centers participating in a Phase I study of nifurtimox in the treatment of relapsed/refractory neuroblastoma (which has since closed), and is currently participating in a Phase II trial of nifurtimox for relapsed/refractory neuroblastoma and medulloblastoma. Additional Phase I and II trials are currently under development.

Gordon Gale, MD: Research interests include novel methods for controlling pain.

Karen Gauvain, MD: Research interests include developing new therapies for the treatment of children with CNS malignancies, including expanded participation in clinical trials both within the Children’s Oncology Group and in collaboration with selected centers with particularly innovative programs in this area.

Christopher Hugge, MD: Major clinical research interests include continued participation in clinical trials designed to improve drug treatment of children with bleeding disorders, and participation in clinical trials conducted through the Children’s Oncology Group.

John Puetz, MD: Clinical research interests focus on treating and controlling complications of bleeding and thrombotic disorders in children, including participation in studies funded by the NIH and CDC. Of particular interest is the development of novel agents to treat hemophilia and novel uses of recombinant Factor VIIa, the use of recombinant Factor VIIa and fresh frozen plasma in neonates, and a new study investigating genetic defects in patients with platelet function disorders.

Publications


Abstracts


Division of Hematology/Oncology


Honors and Other Academic Activities

Deepika Bhatla, MD Reviewer, Acta Pharmacologica Sinica

William Ferguson, MD
Invested as the first Bob Costas Professor of Pediatrics, April 2009
Reviewer
Journal of Pediatrics
Cancer
Committees
Member, Voting Body, Children’s Oncology Group
Department of Pediatrics CME Committee and WebCME sub-committee
Saint Louis University Cancer Center Advisory Committee
Saint Louis University Biomedical Institutional Review Board
Department of Pediatrics Strategic Planning Committee

Gordon Gale, MD
Reviewer, Journal of Pediatrics
Committee
Member, Pharmacy and Therapeutics Committee
Member, Housestaff Advisory Committee
Member, Ethics Committee
Member, PICU Committee

Karen Gauvain, MD
Advisory Board, Friends of Kids with Cancer
Committees
Finance Committee
Junior Faculty Committee

Chris Hugge, MD Blood Utilization Committee, Cardinal Glennon Children’s Medical Center

Kathy Mueckl, RN NetCord/FACT Cord Blood Standards Committee

Dennis O’Connor, MD
Medical Director, Footprints
Committee
Board member and Past President, Vision for Children at Risk
Board member, Garden District Commission
John Puetz, MD
Camp Physician, American Cancer Society
Camp Physician for the inaugural Camp Notaclotamongus (hemophilia camp)
Reviewer
Journal of Pediatrics
Journal of Pediatric Hematology/Oncology
Committees
Chair, Hemophilia Advisory Committee, Missouri Department of Health
Member, Genetics Advisory Committee Missouri Department of Health

Donna Regan, MT
Inspector, Foundation for the Accreditation of Cell Therapy (FACT) and Netcord-FACT
Editorial Board
Cord Blood Forum
ISCT Telegraft
Committees
Food and Drug Administration Cellular, Tissue and Gene Therapies Advisory Committee
HRSA Advisory Council on Blood Stem Cell Transplantation
Associate Member, American Society of Clinical Pathologists (ASCP)
Board of Directors, AABB
AABB Cellular Therapies Standards Program Unit, Cellular Therapies Program Unit, Circular of Information – Cellular Therapies Task Force
Liaison to NMDP Standards Committee; Member, International Society of Cellular Therapy (ISCT)
NetCord/FACT Cord Blood Standards Committee
National Marrow Donor Program Quality Standards Committee, Proficiency Subcommittee, Cord Blood Committee, and Research Committee

Brandon Triplett, MD
Committees
Blood Utilization Committee
Information Systems Committee
Infection Control Committee

Presentations
Deepika Bhatla, MD
Grand Rounds, Cardinal Glennon Children’s Medical Center, October 29, 2008: “Clinical Pathologic Conference.”

William Ferguson, MD
Saint Louis University School of Medicine 2nd year Genetics course, January, 2009: “Hemoglobin and Hemoglobinopathies”

Karen Gauvain, MD
Participated in the 2nd year course “Patient, Physician and Society II, Death & Dying Unit” at Saint Louis University School of Medicine.

Chris Hugge, MD
Association of Pediatric Hematology-Oncology Nursing, St. Louis chapter, 3/10/09: "Anticoagulation in Children."
Division of Hematology/Oncology

John Puetz, MD
Hemophilia Region VII Meeting, May 2009: “The use of FFP and rFVIIa in Neonates”
Hemophilia Family Education Weekend, July 2008: “Health and Nutrition”
Camp Notaclotamongus, June 2009: “Health and Nutrition and Bleeding Disorders Jeopardy”

Donna Regan, MT
AABB Audioconference: Models for Effective Quarantine and Segregation of Cellular Therapy Products.
September 24 2008
AABB Annual Meeting, Montreal Canada, October 2008. “Sizzling Topics in Cellular Therapy”
Stem Cell Transplant Conference, St. Louis University Cancer Center, April 29 2009: “Oh, If a Dry Shipper Could Talk!”

Brandon Triplett, MD
Allergy/Immunology noon conference 9/29/2008: “Hematopoietic Cell Transplant for Immune Deficiency”

Grants

NIH 2U10 CA098543, Subcontract #17509 3/1/03-2/28/09  $123,000
W Ferguson, Institutional PI
National Childhood Cancer Foundation Chair’s Grant
(3/1/08-2/28/09 = $6997)

NIH U10 CA098543, Subcontract #17509 7/1/08-6/30/09  $32,600
W Ferguson, Institutional PI
National Childhood Cancer Foundation Per-Case Reimbursement

Sickle cell and hemoglobinopathy of Illinois State $13,200/year
W Ferguson, Principal Investigator

National Institutes of Health Hemophilia Regional Grant 6/1/08-5/31/09  $58,500
C Hugge and J Puetz, Co-Investigators

Center for Disease Control Universal Data Collection Grant 6/1/08-5/31/09  $58,500
C Hugge and J Puetz, Co-Investigators

Timely End-of-Life Communication to Parents of Children with Brain Tumors
K Gauvain, Co-Investigator (Collabortive R21 grant)
Verna Ferguson, PhD, Barnes-Jewish Hospital, Principal Investigator

US Department of Health and Human Services
National Cord Blood Inventory, C.W. Bill Young Cell Transplantation Program HHSH234200737008C  2007-2010  $1,151,031

MO Department of Health and Senior Services
Division of Infectious Diseases

Introduction and Description

The purpose of the Pediatric Infectious Disease Division is to provide state-of-the-art care to pediatric patients with acute and chronic infectious diseases, to educate medical students, residents, and community physicians on the latest advances in the field, and to perform leading edge research in our chosen areas of specialization.

Treatment is offered for all varieties of pediatric infectious disease problems for patients ranging in age from the newborns to young adults.

Faculty Profiles

Stephen J. Barenkamp, MD, Professor, Director

Special Interests: Otitis media pathogenesis, otitis media vaccine development

Board Certification: Pediatrics; Pediatric Infectious Diseases

Medical College: University of Chicago Pritzker School of Medicine, Chicago, IL

Residency: St. Louis Children’s Hospital, St. Louis, MO

Fellowship: Washington University School of Medicine, St. Louis MO

Publications


Presentations


Honors and Other Academic Activities

Stephen J. Barenkamp, MD

Editorial Advisory Board: The Journal of Infectious Diseases

Ad Hoc Manuscript Reviewer [Reviews completed during 2008-2009 academic year]:
- Clinical Infectious Diseases
- Clinical and Vaccine Immunology
- Expert Review of Vaccines
- Journal of Clinical Microbiology
- Journal of Infectious Diseases
- Pediatric Research
- Pediatrics
- Pediatric Infectious Disease Journal
- Vaccine
- Award for Outstanding Review from the Clinical Infectious Diseases Journal
Division of Infectious Diseases

National Institutes of Health Activities:
Ad-hoc Member, Board of Scientific Counselors, National Institute of Deafness and Other Communication Disorders, Intramural Research Program Site Visit, NIH, October 2008.
Ad-hoc Study Section Member, Clinical Research and Field Studies of Infectious Diseases Study Section, NIH, June 2009.
Panel Member, 2006-, Safety Monitoring Board, DMID Protocol No. 04-022, “Nontypeable Haemophilus influenzae Colonization in Young Healthy Adults,” National Institute of Allergy and Infectious Diseases, NIH.
Panel Member, 2006-, Safety Monitoring Board, DMID Protocol No. 03-042, “Pneumococcal Conjugate Vaccine in Fiji Infants,” National Institute of Allergy and Infectious Diseases, NIH.
Best Doctors in St. Louis Award

Grants
Grant-in-Aid No. 0755643Z American Heart Association
07/01/07 - 06/30/08 $71,500/yr 1
07/01/08 - 06/30/09 $71,500/yr 2

Stephen J. Barenkamp, M.D.—Principal investigator
Development of recombinant adenovirus vaccines for prevention of nontypeable Haemophilus influenzae disease
The Division of Medical Genetics provides diagnostic evaluation and care for infants, children, adolescents and adults with known or suspected genetic disorders. Genetic counseling is provided regarding prognosis, recurrence risk and implications for patients and family members. Prenatal counseling is provided in the Fetal Evaluation and Treatment Unit at St. Mary’s Health Center. The Division plays a vital role in coordinating the care of patients with complicated disorders who require multidisciplinary medical care. Over 15,000 genetic disorders have been identified in the medical literature and the Division staff makes use of special clinical genetics diagnostic databases to help identify and confirm rare syndromic and metabolic disorders. Genetic services provided: Medical Genetics Clinic (CGCMC), Metabolic Clinic (CGCMC); Prenatal and Pre-Conceptional Genetics Clinic (SMHC); Inpatient Consultation Service (CGCMC, SMHC); Multidisciplinary Clinics (CGCMC) – Cleft Lip and Palate Clinic, Neurofibromatosis Clinic; Outreach Clinics – St. Francis Medical Center, Cape Girardeau, MO (Inpatient and outpatient consultations); Health Departments in Fayette, Jackson, Jefferson, and Madison Counties in Illinois. We provide a new cancer risk assessment and genetic counseling service as part of the SSM St. Mary’s Breast Center (SMBC).

Primary reasons for referral to the Medical Genetics service include developmental delay, dysmorphic features, failure to thrive, suspected metabolic disorder, abnormal newborn screen, and genetic counseling for diagnosed genetic disorders. Indications for Prenatal Clinic referral include advanced maternal age, abnormal maternal serum screening result, fetal abnormalities identified on ultrasound, teratogen exposure, or a family history of a genetic disorder. Adult patients are also seen in clinic for diagnostic evaluations and/or pre-symptomatic testing for genetic disorders. Cancer genetics assessments and recurrence risk counseling are available for patients with cancer and their families at CGCMC and the SMBC. The Division also operates the Gaucher Disease Treatment Center in the Costas Center.

The Molecular Cytogenetics Laboratory at SSM-Cardinal Glennon Children’s Medical Center offers a comprehensive menu of tests which includes analyses of chorionic villus samples, amniotic fluid, products of conception, peripheral blood, bone marrow, lymph nodes and solid tumors. The lab also offers fluorescence in situ hybridization (FISH) testing. The laboratory currently completes approximately 288 prenatal, 924 neoplasm, 759 blood and tissue, and 691 FISH analyses per year. The laboratory is staffed by eight full-time cytogenetic technologists.

The Division of Medical Genetics is involved in education at many levels and members contribute most of the 34 lectures to the first year medical student Molecular Biology and Genetics course. The Division provided an 18 lecture Medical Genetics course for the SLU Department of Physician Assistant Education and lectures are given annually to SLU Department of Physical Therapy students. Division members offer interview skills feedback for first and second year medical students in the Physician, Patient and Society course. Medical students, pediatric residents and college students rotate through the Medical Genetics Clinic and the Prenatal Genetics Clinic. Pathology residents, oncology and biomedical engineering students rotate through the Molecular Cytogenetics Laboratory. Lectures are offered to the third
year medical students during their pediatric clerkship and for the pediatric residency core curriculum. Many presentations are given throughout the year in the Bi-State area for students, health professionals and family support groups. The genetics division also provides supervision for visiting genetic counseling graduate students who complete 5-6 week summer rotations, and sometimes provides rotations for undergraduate students who are interested in careers in genetic counseling.

Faculty Profiles

Jacqueline Batanian, PhD, Professor, Director, Molecular Cytogenetics Laboratory

*Interests:* Development of molecular cytogenetic techniques, mechanisms of chromosome rearrangements in cancer and at birth

*Board Certification:* American Board of Medical Genetics

*Medical College:* PhD, University of Birmingham, England

Gary S. Gottesman, MD, Associate Professor

*Interests:* Clinical aspects of connective tissue disorders, natural history of Morquio syndrome

*Board Certification:* Pediatrics; Medical Genetics

*Medical College:* University of Michigan, Ann Arbor, MI

*Residency:* (Pediatrics) Washington University, St. Louis Children’s Hospital

*Fellowship:* (Medical Genetics) Washington University, St. Louis Children’s Hospital

Akihiko Noguchi, MD, Professor, Division of Neonatology, Interim Director, Division of Medical Genetics

*Interests:* Promotion of maternal child health and prevention of neonatal diseases by epidemiological and public health approach

*Board Certification:* Pediatrics; Neonatal-Perinatal Medicine

*Medical College:* Keio University, Tokyo, Japan

*Residency:* University of Illinois Hospitals, Chicago, IL & West Virginia University Hospitals, Morgantown, WV

*Fellowship:* University of Minnesota Hospitals, Minneapolis, MN

Petra A. Swidler, MD, Instructor

*Interests:* Autism spectrum disorders, developmental delay, clinical dysmorphology, RETT syndrome, pilot study of the use of a fetal alcohol syndrome (FAS) recognition protocol

*Board Certification:* Eligible

*Medical College:* Westfaelische-Wilhelms Universitaet, Germany

*Residency:* University of Illinois College of Medicine

*Fellowship:* University of California-San Francisco

Shunji Tomatsu, MD, PhD, Research Associate Professor

*Interests:* Mucopolysaccharidoses with emphasis on Morquio syndrome A, hypophosphatasia, development of bone targeting system, newborn screening system for MPS

*Medical College:* Gifu University, Japan

*PhD:* Gifu University, Japan

Adriana Montaño Suárez, PhD, Assistant Professor

*Interests:* Morquio syndrome A, glycosaminoglycans - keratan sulfate

*Medical College:* PhD, Student Dept of Pediatrics, School of medicine, Gifu University, Japan

*Post-Doctoral Fellow:* Kobe Pharmaceutical University, Japan

*Foreign Research Assoc:* Graduate University for Advanced Studies

*Post-Doctoral Fellow:* Saint Louis University, St. Louis, MO
Division of Medical Genetics

Katherine Christensen, MS, Instructor
Interests:  Clinical dysmorphology, Neurogenetic disorders, lysosomal storage disorders, cardiac channelopathies
College:  Sarah Lawrence College, Human Genetics

Melissa Fuller, MS, Instructor
Interests:  Genetics education, public health awareness
College:  University of Cincinnati, Medical Genetics

Meg Hefner, MS, CGC, Associate Clinical Professor
Interests:  CHARGE syndrome, prenatal genetics
Board Certification:  Medical Genetics; Genetic Counseling
College:  University of Michigan, Human Genetics

Laura Waldman, MS, CGC, Assistant Professor
Interests:  Cleft lip/cleft palate, 22q11 deletion syndrome
Board Certification:  Medical Genetics; Genetic Counseling
College:  Sarah Lawrence College

Joel C. Eissenberg, PhD, Professor in Biochemistry, Secondary Professor in Pediatrics
Medical College:  PhD, University of North Carolina-Chapel Hill
Fellowship:  NIH Postdoctoral Fellow, Washington University, St. Louis, MO

Publications


Presentations


Grants
Gary S. Gottesman, MD - Principal Investigator
   Missouri Department of Health Tertiary Genetic Center Grant
   Illinois Department of Public Health Genetic Counseling Clinical Services Program Grant

Shunji Tomatsu, MD, PhD – Principal Investigator
   International Morquio Organization
   Austrian Research Society for MPS and Related Diseases
   Italian MPS Society
   Shimane University, Japan
   Daiichi Corporation Grant
   Jacob Randall Little Foundation Grant
   Bennett Foundation Grant
   Shimane University
   Vivendi Research Grant

Adriana Montaño Suárez, PhD – Principal Investigator
   International Morquio Organization
   Jacob Randall Little Foundation Grant
   MPS Network Grant
   Spanish MPS Society
Division of Neonatal/Perinatal Medicine

Introduction and Description

The purpose of the Division is to help fulfill the mission of the Saint Louis University Department of Pediatrics, to provide exemplary neonatal care, to continue to build outstanding programs of public and professional education and to contribute a wide variety of productive research.

Clinical Care:
Venues of neonatal care include the Neonatal Intensive Care Units at St. Mary’s Health Center and Cardinal Glennon Children’s Medical Center, the Neonatal Transport Team of Cardinal Glennon Children’s Medical Center, the pre and perinatal consultation services at St. Mary’s Health Center, the Level II Nurseries at St. Joseph-West and St. Anthony’s Medical Center, consultation services at DePaul, St. Joseph’s Health Center-St. Charles and Memorial Hospital-Belleville and the Multidisciplinary High Risk Infant Follow-up Clinics. The faculty lead and participate in quality improvement efforts for each of these clinical efforts.

Education:
Education opportunities and/or didactic sessions are provided for Saint Louis University undergraduates, medical students, SLU residents in Pediatrics, Pediatrics, Pediatrics/Internal Medicine, Obstetrics, Neonatal Perinatal Medicine and Anesthesiology. Members of the Division participate in a variety of educational opportunities for undergraduate and graduate nurses and respiratory therapists. An important educational effort is the regional perinatal education program. In cooperation with faculty of Obstetrics and Cardinal Glennon/St. Mary’s nursing leadership, the faculty regularly engage members of the medical and nursing staffs of forty referring maternal services in educational and quality improvement exercises.

The residency program in Neonatal Perinatal Medicine deserves special attention. Currently there are four GME funded positions. These individuals will be key policy, educational and research leaders of the future. Formal courses in epidemiology, statistics and physiology, intensive bedside instructions in research and close mentoring relationship with the faculty are key ingredients in this preparation.

Research:
Divisional research includes public health, clinical and bench investigations. Major investments of time and effort are devoted to outcomes research with a major emphasis on long term well being of NICU survivors. Bench research including iron homeostasis and pulmonary inflammation are key portions of the Divisional research profile.

Faculty Profiles

Mohamad Al-Hosni, MD, Assistant Professor

- **Interests:** Infant nutrition, probiotic supplement to enteral feeds to prevent NEC
- **Board Certification:** Pediatrics; Neonatal-Perinatal Medicine
- **Medical College:** Damascus University Medical School, Damascus Syria
- **Residency:** St. John Hospital & Medical Center, Detroit
- **Fellowship:** Saint Louis University School of Medicine
### Division of Neonatal/Perinatal Medicine

**Ayoob Ali, MD, Assistant Professor**
- **Interests:** Airway management and resuscitation
- **Board Certification:** Pediatrics
- **Medical College:** Dow Medical College, Karachi, Pakistan
- **Residency:** University of Kansas School of Medicine, Wichita, KS
- **Fellowship:** Saint Louis University School of Medicine, St. Louis, MO

**Connie D. Anderson, MD, Assistant Professor**
- **Interests:** Neurodevelopmental disabilities and long term follow-up, etiology of hypoxic events in preterm infants
- **Board Certification:** Pediatrics; Neonatal-Perinatal Medicine
- **Medical College:** Saint Louis University School of Medicine
- **Residency:** Saint Louis University School of Medicine (1st yr); University of New Mexico (2nd & 3rd yrs)
- **Fellowship:** University of New Mexico

**Thomas M. Bender, M.D., Assistant Professor**
- **Interests:** Medical ethics
- **Board Certification:** Pediatrics; Neonatal-Perinatal Medicine
- **Medical College:** University Pittsburgh School of Medicine
- **Residency:** Ohio State University College of Medicine
- **Fellowship:** Saint Louis University School of Medicine

**Robert W. Brooker, MD, Assistant Professor**
- **Interests:** Outcome based quality initiative, CNS monitoring, acute physiologic measurements in critical care and long term development
- **Board Certification:** Pediatrics; Neonatal-Perinatal Medicine
- **Medical College:** Saint Louis University School of Medicine
- **Residency:** Saint Louis University School of Medicine
- **Fellowship:** Saint Louis University School of Medicine

**Gregory R. Booth, MD, Assistant Professor**
- **Interests:** Ventilatory management, neonatal nutrition
- **Board Certification:** Pediatrics
- **Medical College:** University of Missouri School of Medicine, Columbia, MO
- **Residency:** Saint Louis University School of Medicine, St. Louis, MO
- **Fellowship:** Saint Louis University School of Medicine, St. Louis, MO

**Laura Cerny, MD, Assistant Professor**
- **Interests:** Neonatal resuscitation
- **Board Certification:** Pediatrics
- **Medical College:** University of Illinois, College of Medicine, Peoria, IL
- **Residency:** Children’s Hospital of Orange County, Orange, CA
- **Fellowship:** Harbor-UCLA Medical Center/Children’s Hospital of Orange County, Torrance, CA/Orange, CA

**Robert E. Fleming, MD, Associate Professor**
- **Interests:** Iron homeostasis
- **Board Certification:** Pediatrics; Neonatal-Perinatal Medicine
- **Medical College:** Saint Louis University School of Medicine
- **Residency:** Vanderbilt University School of Medicine, Nashville, TN
- **Fellowship:** Washington University School of Medicine, St. Louis, MO
Michael French, MD, Assistant Professor
Interests: Pulmonary inflammation
Board Certification: Pediatrics
Medical College: Saint Louis University School of Medicine, St. Louis, MO
Residency: Indiana University Medical Center, Indianapolis, IN
Fellowship: Washington University School of Medicine, St. Louis, MO

Heather D. Hall, MD, Assistant Professor
Interests: Respiratory control and long term neurodevelopmental outcome
Board Certification: Pediatrics; Neonatal-Perinatal Medicine
Medical College: Saint Louis University School of Medicine, St. Louis, MO
Residency: Saint Louis University School of Medicine, St. Louis, MO
Fellowship: Saint Louis University School of Medicine, St. Louis, MO

Thomas Havranek, MD, Assistant Professor
Interests: Intestinal blood flow and perfusion – NEC
Board Certification: Pediatrics; Neonatal-Perinatal Medicine
Medical College: Charles’ University, 1st Medical Faculty, Czech Republic
Residency: The Long Island College Hospital, New York, NY
Fellowship: Children’s National Medical Center, Washington, DC

William J. Keenan, MD, Professor, Director, Division of Neonatal-Perinatal Medicine
Interests: Smooth functioning of a division that has an outstanding clinical presence, conducts exemplary education and performs a wide variety of productive research, support for individual faculty members, regionalized program of education that helps direct the professional energies of perinatal providers to the most effective care patterns, determinants of participation in prenatal care, determinants of hypoxemia episodes of NICU patients, NICU predictors of long term outcome, International Child Health
Board Certification: Pediatrics; Neonatal-Perinatal Medicine
Medical College: Loyola University-Stritch School of Medicine, Chicago, IL
Residency: Boston City Hospital, Boston, MA; Children’s Hospital, Cincinnati, OH
Fellowship: University of Cincinnati, Cincinnati, OH

Joyce Koenig, MD, Professor
Interests: Neonatal inflammation and immune function
Board Certification: Pediatrics; Neonatal-Perinatal Medicine
Medical College: University of South Dakota School of Medicine
Residency: Baylor College of Medicine, Houston, TX
Fellowship: Baylor College of Medicine, Houston, TX; University of Utah School of Medicine, Salt Lake City, UT

Akihiko Noguchi, MD, Professor
Interests: Promotion of maternal child health and prevention of neonatal diseases by epidemiological and public health approach
Board Certification: Pediatrics; Neonatal-Perinatal Medicine
Medical College: Keio University, Tokyo, Japan
Residency: University of Illinois Hospitals, Chicago, IL & West Virginia University Hospitals, Morgantown, WV
Fellowship: University of Minnesota Hospitals, Minneapolis, MN
Division of Neonatal/Perinatal Medicine

H. Farouk Sadiq, MD, Professor

Interests: Medical information technology, pulmonary hypertension
Board Certification: Pediatrics; Neonatal-Perinatal Medicine
Medical College: University of Nairobi, Faculty of Medicine, Nairobi, Kenya
Residency: Saint Louis University School of Medicine, Cardinal Glennon Children’s Hospital
Fellowship: Saint Louis University School of Medicine

Kimberly L. Spence, MD, Assistant Professor

Interests: Quality improvement initiatives, tobacco cessation and awareness
Board Certification: Pediatrics
Medical College: University of Missouri School of Medicine, Columbia, MO
Residency: Washington University School of Medicine, St. Louis, MO
Fellowship: Washington University School of Medicine, St. Louis, MO

Corinne Walentik, MD, Professor

Interests: Developmental follow-up of NICU “Graduates”, public health aspects of perinatal care and perinatal substance abuse and its effects on infant outcome, community development of maternal & child health services
Board Certification: Pediatrics; Neonatal-Perinatal Medicine
Medical College: Saint Louis University School of Medicine
Residency: Saint Louis University School of Medicine, Cardinal Glennon Children’s Hospital
Fellowship: Saint Louis University School of Medicine

Residents-Neonatal-Perinatal Medicine
A comprehensive three year preparation to function as a sub board certified specialist.

Heather Morgan, MD – 3rd year in program. Mentor – Robert Fleming
The role of hepcidin in iron metabolism

Mohannad Moallem, MD – 1st year in program. Mentor – Joyce Koenig
Neonatal neutropenia and maternal preeclampsia

Schuyler Mims, MD – 1st year in program. Mentor – Joyce Koenig
GBS and PV function

Research Highlights

F. Sadiq, MD Facilitating research protocols by fellows.
R. Fleming, MD Performs laboratory-based research investigating the molecular mechanisms regulating iron homeostasis. Iron is an important co-factor in the cellular injury associated with increased oxidant stress (e.g., inflammation, use of supplemental oxygen). His primary focus is characterizing the role for a recently discovered second transferrin receptor (TfR2) in regulating the uptake of dietary iron and the distribution of tissue iron between sites of storage and utilization. His laboratory has generated a mouse knockout of the TfR2 gene. This mouse model is being studied and compared with mice in which the HFE gene (responsible for hereditary hemochromatosis) has been knocked out. The relationship between TfR2 and HFE are being studied in cell culture systems. The roles for TfR2 and the iron regulatory hormone hepcidin in the altered iron metabolism observed during inflammation are also being investigated. These studies will allow for a better understanding of the means by which the body regulates the uptake and cellular distribution of iron in normal and pathologic states. Dr. Fleming’s laboratory in the Pediatric Research Institute collaborates closely with the Iron Research Group at Saint Louis University
Division of Neonatal/Perinatal Medicine

M. Al-Hosni, MD  Participation in a NICU formal quality improvement/better practice process as part of the Vermont-Oxford Network. Clinical Administrator for the Vermont Oxford neonatal data base. Primary investigative site for Multicentered Randomized Controlled Trial studying the benefit of probiotics in extremely low birth weight infant. PI for single center study titled “Pre-medication with Propofol vs Sussinylcholine for non-emergent neonatal intubation”. PI for Aphase 26/39 multi-center, randomized, double-blinded, placebo-controlled trial to evaluate the safety and efficacy of pagibacimab injection in VLBW infants for the prevention of staphylococcal sepsis. Member of a joint practice team working on developing practice guidelines in the NICU.  

H. Hall, MD and W. Keenan, MD  Data review for observational study of loud noise and regulation of breathing.  

J. Koenig, MD  Her laboratory has been focusing on aspects of neonatal neutrophil survival and its role in inflammation, which is the subject of an NIH-funded five-year grant. One nearly-completed project was the study of apoptotic proteins in the blood and tracheal aspirates of ventilated premature neonates, which was undertaken by a Neonatology fellow, Dr. Ginger Darling. A recent emphasis of our studies has been on a little-known protein with apoptotic function, Siglec-9, which we are characterizing in neonatal hematopoietic cells. Aspects of these studies were presented at this year’s Pediatric Academic Societies meeting in Honolulu, HI. Another ongoing focus is the characterization of inflammatory interactions between neutrophils and macrophages. In addition, our research program has recently branched out to study how lymphocytes and neutrophils might bridge innate and adaptive immune responses. This latter focus was the topic of Project 3, of which I was a co-Principal Investigator, of a multi-project grant (U19) proposal, the overall purpose of which is to study immune mechanisms during TB infection. This grant was submitted in collaboration with Dr. Daniel Hoft, Department of Internal Medicine at Saint Louis University.  

Publications  
Lesnikov V, Gorden N, Fausto N, Spaulding E, Campbell J, Shulman H, Fleming RE, Deeg HJ. Transferrin fails to provide protection against Fas-induced hepatic injury in mice with deletion of functional transferrin-receptor.  
Booth GR, Thornton K, Jureidini S, Fleming RE. Subendocardial infarction associated with ventricular hypertrophy in preterm infants with chronic lung disease. 
Fleming RE. Iron sensing as a partnership: HFE and transferring receptor 2. 
BMC Neurosci 10:36; 2009.  
Koenig JM, Keenan WJ. Group B streptococcus and early-onset sepsis in the era of maternal prophylaxis. 
Pediatric Res. 2009.  

Presentations  
William Keenan , MD  
Formation of National Education Programs. NRP Task Force – China  
Science and Recommendations for Neonatal Resuscitation, AIIMS Institute, Dept of Pediatrics, Dehli, India  
1/19/09  
Goals of Neonatal Resuscitation, National Conf of the Indian Academy of Pediatrics, Bangalore, India, 1/21/09  
Global Concerns for Neonatal Mortality and Morbidity, National Conf of the Indian Academy of Pediatrics, Bangalore, India, 1/24/09
Grants
Southern Illinois Perinatal Education and Administration – Illinois Department of Health
1987-Present $358,000/year
  William Keenan—Principal Investigator
  Southeastern Missouri Perinatal Outreach Education

National Institutes of Health (NICH) RO1 HD 47401 05/05-04/10 $1,653,500 (total)
  Joyce Koenig—Principal Investigator
  Neutrophil Apoptosis and Neonatal Inflammation

RO1 HD 47401 04/08-03/10
  Joyce Koenig—Principal Investigator (1.0 FTE for PhD + travel, supplies)
  Research Supplement to Promote Diversity in Health Related Research
Division of Nephrology

Introduction and Description

The Division of Pediatric Nephrology in the Department of Pediatrics of Saint Louis University provides comprehensive care for infants, children, and adolescents with various forms of kidney or urologic disorders. Care is provided for both acute and chronic disorders with a multidisciplinary team, including physicians, renal nursing, renal dietician, renal social worker, and play therapist. Members of the division are involved in teaching of medical students, residents, community physicians, and families, and participate in various clinical research studies. The division is housed at Cardinal Glennon Children’s Medical Center.

Types of treatment offered include renal biopsy, acute and chronic hemodialysis, acute and chronic peritoneal dialysis, including a peritoneal dialysis training program, acute hemofiltration, renal transplantation, and ambulatory blood pressure monitoring, in addition to inpatient and outpatient care and consultative services.

Services are provided for a variety of kidney disorders, including congenital and hereditary disorders involving the kidney and urinary tract, urinary tract infections, kidney stones, hypertension, acute and chronic glomerular and tubular disorders and renal diseases that occur secondary to a variety of systemic diseases, such as systemic lupus erythematosus, diabetes mellitus, and vasculitis. The division provides primary management of renal transplant recipients along with members of the Transplant Surgery service.

The division began a renal transplant program in 1983. Since that time, approximately 115 transplants have been performed. The division currently follows approximately 40 renal transplant recipients of cadaver/living donation. Cadaveric, living related and living unrelated transplantation is currently performed.

The division has a special interest in hypertension, and has a weekly clinic for patients with primary hypertension. A kidney stone center is being instituted in collaboration with the Pediatric Urologists at Cardinal Glennon Children’s Medical Center.

Educational programs address training of pediatric residents, family practice residents, and medical students, as well as community programs for families of children with renal disease and CME activities for community physicians.

Faculty Profiles

Craig W. Belsha, MD, Professor

Interest: Hypertension, ambulatory blood pressure monitoring, renal transplantation and dialysis
Board Certification: Pediatrics; Pediatric Nephrology
Medical College: University of Missouri-Kansas City
Residency: Baylor College of Medicine
Fellowship: Baylor College of Medicine
Division of Nephrology

L. Richard Feldenberg, MD, Assistant Professor

Interest: Renal tubular disorders, congenital renal disorders, acid-base disturbances, renal transplantation

Board Certification: Pediatrics; Internal Medicine; Pediatric Nephrology

Medical College: University of Missouri-Columbia

Residency: University of Illinois College of Medicine at Peoria (Combined Internal Medicine and Pediatrics)

Fellowship: Yale University

Ellen G. Wood, MD, Professor, Director of Pediatric Nephrology

Interests: End stage renal disease in infants and young children, early diabetic nephropathy, renal transplantation, kidney stones

Board Certification: Pediatrics; Pediatric Nephrology

Medical College: University of Alabama in Birmingham

Residency: University of Alabama in Birmingham

Fellowship: University of Texas Medical Branch, Galveston

Research Highlights

The division participates in the North American Pediatric Renal Transplant Cooperative Study, a registry for Transplant, Dialysis, and Chronic Renal Insufficiency patients. Numerous studies are ongoing from registry data, as well as several funded NIH studies.

The division participates in the International Pediatric Hypertension Association Study Group.

The division is participating in 2 multi-center NIH studies:

(1) Focal Segmental Glomerulosclerosis Clinical Trial
(2) Chronic Kidney Disease in Children (CKID study)

One institutional study evaluating the frequency of BK virus infection in liver transplant patients with abnormal kidney function.

Publications


Dodson JL, Cohn SE, Cox C, Hmiel PS, Wood E, Mattoo TK, Warady BA, Furth SL. Prevalence of Urinary Incontinence in the CKiD Cohort and its Effect on Health Related Quality of Life as Measured by the PedsQL. J Urology, in press.


Honors and Other Academic Activities

Craig Belsha, MD
Best Doctors
SLU Housestaff- Faculty Appreciation Award-2008
Community Service, Greater St. Louis Area Council, BSA
Chairman Counselor for Camp Okawena, a renal camp for children with end stage renal disease and post renal transplantation

Journal Reviewer
Ad Hoc Reviewer, Blood Pressure Monitoring Journal of Pediatrics
Division of Nephrology

**Belsha** continued
Physician Advisor, Foundation for Children with Atypical HUS
Committees
- Council Learning for Life Executive Committee
- Scout Quest 2010 Program Area
- Elected to Executive Committee, International Pediatric Hypertension Association

**Ellen Wood, MD**
Best Doctors
Community Service, Planning Committee and counselor for Camp Okawena, a renal camp for children with end stage renal disease and post renal transplantation
Ad Hoc Journal Reviewer
Pediatric Nephrology
Journal American Society of Nephrology
Committees
- Planning Committee for Camp Okawena
- American Society of Pediatric Nephrology Work Task Force Committee
- Member, Executive committee, ESRD Network 12
- Chairman, Medical Review Board for End Stage Renal Disease (ESRD) Network 12
- Member, multiple subcommittee’s of the Medical Review Board for ESRD Network #12

**Presentations**

**Richard Feldenberg, MD**

**Ellen Wood, MD**

**Craig Belsha, MD**

**Grants**

**National Institute of Health**
E Wood, MD - Principal Investigator
3/1/03-present $4200.00-$4900.00/pt
Focal Segmental Glomerulosclerosis Clinical Trial

**CKID**
E Wood, MD – Principal Investigator
8/1/04-present $3700.00/patient
CKID Study (recently funded for 4 more years until 2112)

**NAPRTCS**
E Wood, MD – Principal Investigator
12/03- indefinite $75.00- $100.00/patient
The North American Pediatric Transplant Cooperative Studies

**NKF of Eastern Missouri and Metro East**
CW Belsha, MD – Principal Investigator
submitted
Hypertension in Children with Chronic Kidney Disease
Division of Pulmonary Medicine

Introduction and Description

The Division of Pulmonary Medicine cares for children with a variety of acquired and congenital respiratory disorders. The members of the division are actively involved in educational teaching activities for CME programs locally and nationally, teaching of medical students, residents, and students in other disciplines including nursing and respiratory therapy. An active clinical research program is an integral part of the activities of the division and includes work in sleep disorders, asthma, and cystic fibrosis. Members of the division have active leadership roles in administrative responsibilities for the hospital, university, and national organizations including the American Thoracic Society and the Cystic Fibrosis Foundation. The division has an active outpatient program with multidisciplinary clinics caring for children with cystic fibrosis, asthma, sleep disorders, and for children who are “dependent” on technology (e.g., children receiving home mechanical ventilation). In addition, children with more routine pulmonary disorders are seen as outpatient consultations. Division members also see patients in busy outreach clinics located in Centreville, Illinois (Southern Illinois Healthcare Foundation); Poplar Bluff, Missouri (Poplar Bluff Regional Medical Center); Cape Girardeau, Missouri (Southeast Missouri Hospital Pediatrics); Jefferson City, Missouri (St. Mary's Pediatrics); St. Charles, Missouri (St. Joseph Medical Park); and in Maryville, Illinois (Anderson Hospital).

Faculty Profiles

Gary M. Albers, MD, Associate Professor, Co-director of the Asthma Center for Children and Director of Bronchoscopy

- **Interests:** Clinical research in asthma, cystic fibrosis
- **Board Certification:** Pediatrics; Pediatric Pulmonology
- **Medical College:** Saint Louis University School of Medicine
- **Residency:** Saint Louis University School of Medicine, Cardinal Glennon Children’s Hospital
- **Fellowship:** University of North Carolina-Chapel Hill

Blakeslee E. Noyes, MD, Professor, Director of the Division of Pulmonary Medicine

- **Interests:** Pulmonary host defense, cystic fibrosis, vocal cord dysfunction
- **Board Certification:** Pediatrics; Pediatric Pulmonology
- **Medical College:** Saint Louis University School of Medicine
- **Residency:** Saint Louis University School of Medicine, Cardinal Glennon Children’s Hospital
- **Fellowship:** University of Pittsburgh School of Medicine

Anthony J. Rejent, MD, Clinical Professor, Director of the Cystic Fibrosis Center

- **Interests:** Clinical asthma, cystic fibrosis
- **Board Certification:** Pediatrics
- **Medical College:** Creighton University
- **Residency:** Saint Louis University School of Medicine/Cardinal Glennon Children’s Hospital

Robert W. Wilmott, MD, IMMUNO Professor and Chair

- **Interests:** Clinical and basic scientific aspects of cystic fibrosis
- **Board Certification:** Pediatrics; Pediatric Pulmonology
- **Medical College:** University College Medical School, London, The Hospital for Sick Children, London
- **Residency:** University College Hospital, London
- **Fellowship:** The Hospital for Sick Children, London
Division of Pulmonary Medicine

Staff
Sharon Fitzgerald, Medical Secretary
Judy Brusatti, MSN, RN, CPNP, Cystic Fibrosis Nurse Coordinator
Mary Howell, MSN, CNS, CPNP, Pulmonary /Sleep Disorders Nurse Coordinator
Susan Mason, MSN, RN, PCNS, Pulmonary/Asthma Center Nurse Coordinator
Diane Roth, RN, Sleep Disorder Clinic Nurse Coordinator
Eileen Kabance, RRT, Respiratory Therapist
Pat Lewis, RRT, Respiratory Therapist

Research Highlights
Dr. Gary Albers has participated in numerous multi-center clinical studies. Current projects include a study of the effectiveness of a new way of inhaling antibiotics for CF patients and a study of anti-IgE therapy in patients with severe asthma. Dr. Albers is the local leader of the Learning and Leadership Collaborative II project of the Cystic Fibrosis Foundation. Through this project our CF team has learned and implemented organizational skills that have allowed us to improve our health care outcomes by improving our systems of care delivery.

Dr. Blake Noyes has participated in a number of multi-center studies in new therapeutic agents in asthma and cystic fibrosis. He is currently directing a study in cystic fibrosis examining the role of gene modifiers in the progression of CF lung disease. He is also leading a study at Cardinal Glennon Children’s Medical Center looking at risk factors leading to acquisition of pseudomonas in patients with cystic fibrosis and the best treatment approach to first acquisition of pseudomonas. He is also the local PI for a study investigating the effect of stopping rhDNase in patients with severe cystic fibrosis lung disease. Dr. Noyes is the P.I. for a recently approved study examining risk factors for the development of osteoporosis in CF as well. He is the lead PI for CF newborn screening efforts in Missouri and Illinois. Dr. Noyes has an ongoing clinical interest in the diagnosis and treatment of children with vocal cord dysfunction.

Dr. Anthony Rejent is the PI for the CF Registry, sponsored and funded by the CFF (Cystic Fibrosis Foundation – Bethesda, Maryland.). Dr. Rejent has participated in the Learning and Leadership Collaboration II, a quality improvement project through the National Cystic Fibrosis Foundation and Dartmouth University, and continues these activities on a bi-monthly schedule. Dr. Rejent has participated in a number of CF multi-center clinical studies.

Dr. Robert Wilmott is involved in treating CF lung disease that is now in Phase III trials.

Publications
Division of Pulmonary Medicine

Honors and Other Academic Activities

**Gary Albers, MD**
Best Doctors in America
Excellence in Teaching from Housestaff
Instructor/Invited Lecturer, International Flexible Bronchoscopy Course, Cincinnati, Ohio
Advisor to Resident, Jaime Velasco
Volunteer physician at The Health Resource Clinic, Saint Louis University School of Medicine

**Journal Reviewer**
  Journal of Pediatrics

**Committees**
  Chair, Physician Task Force for the Ambulatory Practice, Cardinal Glennon Children’s Medical Center, 2005 - present
  Member, Student Advisory Committee, Cardinal Glennon Children’s Medical Center
  Member, Medical Executive Committee, Cardinal Glennon Children’s Medical Center
  Member, Cystic Fibrosis Foundation Center Committee

**Blake Noyes, MD**
Best Doctors in America, 1994-present
Volunteer physician at The Health Resource Clinic, Saint Louis University School of Medicine, annually

**Journal Reviewer**
  Chest
  American Journal of Respiratory Critical Care Medicine
  Journal of Pediatrics, 2001-present

**Committees**
  Member, Planning Committee, American Thoracic Society, 2003-present
  Member, Respiratory Care Committee, Cardinal Glennon Children’s Medical Center, 1993-present
  Member, Committee on Ethics and Conflict of Interest, American Thoracic Society, 2007-2009
  Member, Medication Reconciliation Committee, Cardinal Glennon Children’s Medical Center, 2005-2007
  Member, I-64 Task Force, 2007-2008
  Member, Finance Committee, University Medical Group, 2005 – present
  Member, Genetic Advisory Committee, State of Missouri
  Chair, Finance Committee, Department of Pediatrics

**Anthony Rejent, MD**
Director, Cystic Fibrosis Center, Cardinal Glennon Children’s Medical Center
Pediatrician, Shriners Hospital for Crippled Children

**Committees**
  Member, Medical Advisory Board-Gateway Chapter, National Cystic Fibrosis Foundation
  Fellow, American Academy of Pediatrics
  Member, Board of Governors Child Advocacy Committee, 1990 – present
  Member, Genetic Disease Advisory Committee, 1990 – present

**Robert W. Wilmott, MD**
IMMUNO Professor and Chair, Department of Pediatrics, Saint Louis University/Cardinal Glennon Children’s Medical Center, 2001 – Present
Best Doctors of America, Saint Louis Magazine, 2003-present
Volunteer physician at The Health Resource Clinic, Saint Louis University School of Medicine, 2002 - present
Recipient of the St. Luke’s Award for a “Faithful Healer” by Cardinal Glennon Children’s Medical Center, 2007

**Editorial Board**
  Associate Editor, Journal of Pediatrics, 1995-present
  Journal of Paediatric Respiratory Reviews, 2002 – present

**Journal Reviewer**
Committees
- Member, Pediatric Assembly Planning Committee, American Thoracic Society, 2001–present
- Member, Governing Board, University Medical Group, 2002–present
- Member, Executive Committee, University Medical Group, 2001–present
- Member, Pediatric Pulmonology Credentials Committee, American Thoracic Society, 1998–present
- Member, Long-Range Planning Committee, American Thoracic Society, 1998–present
- Chair, Leadership and Career Development Subcommittee of the Long-Range Planning Committee, American Thoracic Society, 1999–present
- Member, University Medical Group Board, Saint Louis University School of Medicine, 2001–present
- Member, Dean Planning Advisory, Saint Louis University, 2001–present
- Member, Medical Executive Committee, Cardinal Glennon Children’s Medical Center, 2001–present
- Member, Super Medical Executive Committee, SSM Health Care, 2001–present
- Member, Administrative Council, Cardinal Glennon Children’s Medical Center, 2001–present
- Member, Executive/Chairman Meeting, Saint Louis University School of Medicine, 2001–present
- Member, Mentoring Program Planning Committee, 2003–present
- Member, Board of Directors, SSM Heath Care St. Louis, 2004–present
- Member, University Medical Group Faculty Compensation Committee, 2005–present
- Member, Curriculum Oversight Committee, Saint Louis University School of Medicine, 2005–present
- Member, Faculty Credentials Committee, Saint Louis University, 2007–present
- Co-Chair, Internal Medicine Chair Search Committee, Saint Louis University, 2007–2009
- Member, America’s Best Children’s Hospitals Project, 2007
- Chairman, University Medical Group (SLUCare) Executive Committee, Saint Louis University School of Medicine, 2009–present
- Member, Executive Committee, Association of Medical School Pediatric Department Chairs, 2009

Presentations
Blake Noyes, MD
“Newborn Screening in Cystic Fibrosis: The Missouri and Illinois Experience” Practical Pediatrics, Cardinal Glennon Children’s Medical Center, 2008
“Cystic Fibrosis – Principles and Treatment Approach.” Physician Assistant Education School of Allied Health, 2009
Mississippi River Valley Pulmonary Conference; Webcast to 8 Academic Centers “A 9 year girl with cystic fibrosis and atypical clinical course”

Abstracts

Grants
Genentech
Gary Albers, MD – Principal Investigator
A Phase IIIb Multicenter, Randomized, Double-blind, Placebo Controlled Study of Xolair in Subjects with Moderate to Severe Persistent Asthma who are inadequately controlled with Advair 500/50

Cystic Fibrosis Foundation, NIH
Blake Noyes, MD – Principal Investigator
Effectiveness and Safety of Intermittent Antimicrobial Treatment Therapy for the Treatment of New Onset P. Aeruginosa Airway Infection in Young Patients with Cystic Fibrosis.

Blake Noyes, MD – Principal Investigator
The EPIC observational study: Longitudinal assessment of risk factors for and impact of Pseudomonas aeruginosa acquisition and early anti-pseudomonal treatment in children with CF
### Division of Pulmonary Medicine

**Genetics Program, Newborn Cystic Fibrosis, State of Missouri**

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Blake Noyes, MD—Principal Investigator

**Cystic Fibrosis Foundation Center Grant**

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Anthony Rejent, MD – Principal Investigator

**National Database**

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Robert Wilmott, MD – Principal Investigator

**Inspire Pharmaceuticals**

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**A Multi-Center, Double-Blind, Placebo-Controlled, Randomized, Efficacy and Safety Study of Denufosol Tetra Sodium Inhalation Solution in Patients with Mild Cystic Fibrosis Lung Disease. Saint Louis University, St. Louis, MO.***

Robert Wilmott, MD – Local Principal Investigator

**Inspire Pharmaceuticals**

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<td>2008-2010</td>
<td>$29,639/subject</td>
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**TIGER 2 (Inspire 08-110): A phase 3, international, multi-center, randomized, double-blind, placebo-controlled, parallel-group, efficacy and safety study of Denufosol Tetrasodium inhalation solution in patients with cystic fibrosis lung disease and FEV₁>75%<1F10% predicted. Saint Louis University, St. Louis, MO.***

Robert Wilmott, MD – Local Principal Investigator

**Inspire Pharmaceuticals**

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**Study 08-114: Open-label extension of study 08-110 — A multi-center study of Denufosol Tetrasodium inhalation solutions in patients with cystic fibrosis lung disease. Saint Louis University, St. Louis, MO.***

Robert Wilmott, MD – Local Principal Investigator
Division of Toxicology

Introduction and Description

The Division of Toxicology at Saint Louis University and the Missouri Regional Poison Center at SSM Cardinal Glennon Children’s Medical Center is composed of two physician medical toxicologists (Dr. Anthony Scalzo, Dr. Rebecca Tominack), a forensic and environmental toxicologist (Christopher Long Ph.D.) and two clinical pharmacists (Julie Weber and Shelly Enders) with a specialized professional staff of 26 nurses and pharmacists.

The main purposes of the division are: 1) to assist the Missouri Regional Poison Center in providing quality-assured triage and treatment information on toxic exposures and poisonings to all the hospitals, practitioners and public in the state of Missouri; 2) to provide direct or telephone consultation to physicians caring for poisoned patients; and 3) to educate health care professionals and the public about toxicology and related issues.

The Missouri Regional Poison Center provides poisoning information, treatment strategies, and follow-up management 24 hours a day year round. Julie Weber serves as Managing Director. The Center is staffed by pharmacists, Pharm Ds and nurses who are Certified Specialists in Poison Information. In addition to advice on virtually any type of exposure, over 190 full management guidelines are available for facsimile or computer fax transmission to all hospitals and clinicians in the state of Missouri including Saint Louis University and SSM Cardinal Glennon Children’s Medical Center. Medical toxicology consultation is accessed by first calling these specialists at the Poison Center. They will then contact one of the physician toxicologists as appropriate. Consultation ranges from simple triage advice to complex toxicology information and medical management. The two medical toxicologists have complementary fields of expertise. Dr. Scalzo is board certified in Pediatrics and Pediatric Emergency Medicine in addition to Medical Toxicology. Dr. Tominack is boarded in Internal Medicine and Medical Toxicology. She also has much experience in industrial and occupational toxicology.

Forensic and analytical toxicology services can be obtained either at contracted reference laboratories or through Dr. Chris Long. He is also director of the Forensic and Environmental Toxicology Laboratory at Saint Louis University.

The Division of Toxicology maintains a strong commitment to education. For Saint Louis University School of Medicine, the toxicologists provide 13-hours of toxicology lecture and case discussions in the first year curriculum, teach toxicology in a lecture cycle throughout the year for third year medical students, and provide one-month toxicology rotations at the Poison Center for selected senior students. Two entire master's level courses (37 credit hours each) in Human Toxicology and Environmental Toxicology at the School of Public Health are taught as well as topics in occupational dermatology and ergonomics for second year medical students. For St. Louis College of Pharmacy, our pharmacists offer two toxicology electives – one case based presentation and one by didactic presentation.

One-month electives are also provided to the Pediatric Emergency Medicine Fellows from Saint Louis University and Washington University and to selected sixth year students for their
Division of Toxicology

advanced practice experience at St. Louis College of Pharmacy. Forensic toxicology education for the medical school and professional education is a strong point offered by Christopher Long, Ph.D. Courses are taught to the Illinois Police and Illinois State Bar Association on forensic toxicology issues. Dr. Long is a faculty member of Saint Louis University’s Medicolegal Death Investigator Training Course. Dr. Long also teaches an introduction to forensic toxicology at SLU for medical students and clinical laboratory science students at SLU and St. John’s Mercy Medical Center.

The Division of Toxicology also has a strong commitment to professional societies in toxicology. Dr. Scalzo serves as toxicology liaison to the American Heart Association and provides evidence-based documents on selected topics. Dr. Tominack has worked on projects with the Society of Toxicology, the World Health Organization, the Environmental Health Hazards Management Institute, as well as the US Department of Defense. Both Dr. Scalzo and Dr. Tominack have served to review or write position statements for the American Academy of Clinical Toxicology. Dr. Scalzo completed a second term as a board member for the American Academy of Clinical Toxicology (AACT) and served on the Fellowship Committee for the AACT.

The Division of Toxicology and Missouri Regional Poison Center also serve the community with poisoning prevention and education efforts for the public as well as seminars and invited lectures at conferences and symposia around the state of Missouri. A full-time public educator, Peggy Kinamore, RN, BSN, CSPI, traveled statewide to speak to parents, teachers and community groups to promote poisoning prevention and safety. Over 75 such presentations were made in 2008. Dr. Scalzo entered his 14th year in training over 8,000 sixth graders in smoking prevention and mentoring pediatric residents in community service in this area.

Faculty Profiles

Anthony J. Scalzo, MD, FAAP, FACMT, FAACT, Professor, Director, Division of Toxicology,

Full-time faculty, Division of Emergency Medicine,
Medical Director, Missouri Regional Poison Center

Interests:
Cardiovascular toxins and emergencies, lead poisoning, inhalant abuse and prevention, smoking and nicotine addiction prevention, antivenom for snake envenomation, gastrointestinal decontamination

Board Certification: Pediatrics; Pediatric Emergency Medicine; Medical Toxicology, Board of Trustee,
American Academy of Clinical Toxicology

Medical College: Saint Louis University School of Medicine
Residency: Saint Louis University School of Medicine, Cardinal Glennon Children’s Hospital
Fellowship: Toxicology mini-fellowships & practice credentialing for boards

Rebecca L. Tominack, MD, FAACT, FACMT, Adjunct Professor, Division of Toxicology

Adjunct Associate Professor of Community Health, School of Public Health,
Assistant Medical Director, Missouri Regional Poison Center

Interests: Herbicides, pesticide formulations, industrial and occupational toxicology, hazardous materials toxicology, risk assessment, non-lethal weapons, medical writing and editing

Board Certification: Internal Medicine; Medical Toxicology; Emergency Medicine/ Medical Toxicology
Medical College: University of Maryland
Residency: University of Maryland (Internal Medicine)
Fellowships: NIH (virology research), University of Virginia (Clinical Pharmacology and Toxicology)
Division of Toxicology

Julie A. Weber, BS Pharm, Managing Director, Missouri Regional Poison Center, Adjunct Clinical Instructor in Pharmacy and Adjunct Instructor in Pharmaceutics, St. Louis College of Pharmacy

**Interest:** Multi-center research, training and staff development, EPA-FIFRA regulations and reporting, industrial contract management, quality assurance, technology advancement for disaster preparedness

**Board Certification:** Missouri State Board of Pharmacy, Illinois State Board of Pharmacy, Certified Specialist in Poison Information; Credentialed as a candidate for the American Board of Applied Toxicology (ABAT), April 2008

**College:** St. Louis College of Pharmacy

Shelly Enders, Pharm D, Certified Specialist in Poison Information (CSPI) Missouri Regional Poison Center at SSM Cardinal Glennon Children’s Medical Center

**Interests:** Development of triage guidelines for poisoning exposures, responsible for writing poisoning fatality reports for NPDS (National Poisoning Data System), national data base of the American Association of Poison Control Centers

**College:** St. Louis College of Pharmacy, BS Pharm, St. Louis College of Pharmacy, Doctor of Pharmacy

Peggy Kinamore, RN, BSN, Public Education Coordinator, Certified Specialist in Poison Information (CSPI) Missouri Regional Poison Center at SSM Cardinal Glennon Children’s Medical Center

**Interests:** Increase awareness of the Poison Center and prevention to the communities and hospitals in rural Missouri, targeted focus on the medically underserved populations and areas

**Board Certification:** Missouri State Board of Nursing, 1982—present; License and registration number 073402; Certified Specialist in Poison Information AAPCC, 1981—present

**College:** Saint Louis University

Staff
Kim Laurance, Secretary
Kami Edmunds, Secretary

Research Highlights
Dr. Scalzo continued served as a subspecialty reviewer for the American Heart Association in writing the Toxicology for Emergency Cardiovascular Care section of the AHA. He was also a content expert for updated iterations of the Pediatric Advanced Life Support (PALS) Provider and Instructor Manual as well as the Advanced Cardiac Life Support (ACLS) provider manual. Dr. Scalzo has mentored one of his Fellows in a research project in disaster medicine and toxic exposures education for specialists in poison information. Mentored Kathy Lehman-Huskamp, MD, Fellow in Pediatric Emergency Medicine, in research for revision of book chapter and slide presentation that was developed in 2008 for an international course on Disaster Preparedness as well as a teaching module and assessment tool for poison center personnel. Dr. Scalzo is also currently working with Dr. Lehman-Huskamp to study the level of comfort and training of Specialists and Certified Specialists in Poison Information (SPIs and CSPIs) in managing chemical, biological and nuclear disasters. A pilot study was conducted and presented at the American Academy of Pediatrics Annual meeting in Boston, Massachusetts in October 2008. A 14-month follow-up study has been developed and will be presented to the CSPIs of the Missouri Regional Poison Center. An approved IRB study will be conducted nationwide to study SPIs and CSPIs abilities in disaster preparedness. Dr. Scalzo used toxicology simulation cases in the Saint Louis University Simulation Laboratory to assist in training residents. Dr. Scalzo has a research interest in snake venom...
effects on vascular permeability. In September 2008, Dr. Scalzo and colleagues presented four research posters at the North American Congress of Clinical Toxicology scientific meetings. These included the toxic effects of dextromethorphan abuse, anticholinergic poisoning from *Datura stramonium*, and hemodialysis for metformin overdose.

**Shelly Enders** Pharm D at the center, is coordinating the collection of data in a multicenter study on the toxic effects of venlafaxine, a selective serotonin reuptake inhibitor, documenting the presence of ECG changes and the incidence of arrhythmias in human exposures.

**Christopher Long** continues to study the use of cocaine in suicides and also the abuse of tiletamine (veterinary product structurally similar to ketamine) and fatalities.

**Publications**


**Honors and Other Academic Activities**

**Anthony Scalzo, MD**

Best Doctors in St. Louis, 2007—2009  
St. Luke’s Award, Cardinal Glennon, February 2009

Committees

- Board of Trustee, American Academy of Clinical Toxicology  
- Member, American Academy of Clinical Toxicology Fellowship Committee, American College of Medical Toxicology  
- Member, American College of Medical Toxicology  
- Member, Section on Injury and Poison Control, American Academy of Pediatrics  
- Member, American Association of Poison Control Centers  
- Toxicology Liaison, Pediatric Subcommittee for the AHA Emergency Cardiovascular Care Committee, American Heart Association  
- Content Expert, AHA Emergency Cardiovascular Committee (ECC)  
- Regional Faculty, Missouri Heartland Division, American Heart Association  
- Member, Task Force Region III, American Heart Association

**Rebecca L. Tominack, MD**

Committees  
- Member American Academy of Clinical Toxicology  
- Member, American College of Medical Toxicology  
- Member, American Association of Poison Control Centers

**Julie Weber, BS Pharm, CSPI**

Spirit of Glennon Award, Cardinal Glennon, December 2008

Committees

- Member, American Academy of Clinical Toxicology, Staff Development Subcommittee, co-chair 1999-2002 and 2005-06, Chair 2003-04, member, 2006-2008  
- American Association of Poison Control Centers  
- Specialist in Poison Information Committee 1993-2006  
- American Association of Poison Control Centers  
- TESS Task Force, 2004 to present  
- American Association of Poison Control Centers  
- Quality Coding Task Force, 2007 to present  
- American Association of Poison Control Centers
Division of Toxicology

Peggy Kinamore, RN, BSN, CSPI

Committees
Member, Public Education Committee of American Association of Poison Control Centers

Presentations
Scalzo AJ: “Prescription and OTC Drug Abuse”, Department of Neurology & Psychiatry Grand Rounds, Saint Louis University School of Medicine May 21, 2009
Scalzo AJ: “Pediatric CPR and Resuscitation Science Updates”, American Heart Association Missouri Instructor Conference and Missouri Emergency Medical Services Alliance, April 20, 2009
Scalzo AJ: ”“Homeland Defense: Toxic Exposures”. Department of Internal Medicine Grand Rounds, VA Medical Center, February 4, 2009
Scalzo AJ: “Toxicology Elective,” Saint Louis University School of Medicine: 7 lecture series on toxins, March 2009
Scalzo AJ: “Poisonings & Ingestions Part I- Part IV,” Cardinal Glennon Children’s Medical Center, Saint Louis University School of Medicine, Housestaff Lecture Series 2008-2009
Scalzo AJ: “Toxicology Lecture Series”, Principles of Pharmacology Module, Phase I, Saint Louis University School of Medicine, April 27-May 1, 2009
Tominack RL: Critical Care Grand Rounds - “Serious Cardiovascular Medicine Poisonings?” St. John’s Mercy Medical Center, 2008 and 2009
Tominack RL: Toxicology Series (4 lectures), SLU School of Medicine, April 27-May 1, 2009
Tominack RL: “Nervous about Nerve Agents” Telehealth presentation, Department of Health and Senior Services Jefferson City, May 19, 2009
Tominack RL: “Review of Medical Toxicology Principles,” Cardinal Glennon Children’s Medical Center, 6 lectures in 2008-2009

Long C: “Forensic Toxicology” at Medicolegal Death Investigators Training Course, hosted at Saint Louis University, 2008-2009
Long C: “Introduction to Forensic Toxicology”, Saint Louis University, 2008-2009
Long C: Clinical Laboratory Specialists Rotation for SLU and St. John’s Hospital 2008-2009
Long C: Introduction to Forensic Toxicology for Pathology Residents, 2008-2009
Long C: Introduction to Toxicology: Forensic Pathology Elective, 2008-2009

Grants
Health Resources and Services Administration (HRSA)
Grant year 1 (9/1/08 to 8/31/09) $432,362
Grant year 2 (9/1/09 to 8/31/10) $428,252
Grant year 3 (9/1/10 to 8/31/11) ~$440,000

Poison Control Centers Stabilization and Enhancement Grant
Missouri Department of Health and Senior Services
8/10/2007 to 8/7/2008 $487,871

CDC Real-time Disease Detection Grant administered as a contract with the Missouri Department of Health and Senior Services, the grant project was extended over 2 years in order to complete deliverables. No additional funding awarded.
Best Doctors in St. Louis

Congratulations to the following members of the Department of Pediatrics listed as “Best Doctors in St. Louis” by *St. Louis Magazine* in 2009:

**Gary A. Albers, MD**
Division of Pulmonary Medicine

**Stephen J. Barenkamp, MD**
Division of Infectious Diseases

**David P. Dempsher, MD**
Division of Endocrinology

**Robert E. Fleming, MD**
Division of Neonatology

**Jeremy Garrett, MD**
Division of Critical Care

**William J. Keenan, MD**
Division of Neonatology

**Jay E. Noffsinger, MD**
Division of General Pediatrics
Division of Sports Medicine

**John R. Peter, MD**
Division of Emergency Medicine

**H. Farouk Sadiq, MD**
Division of Neonatology

**Kenneth O. Schowengerdt, MD**
Division of Cardiology

**Jeffrey Teckman, MD**
Division of Gastroenterology

**Robert W. Wilmott, MD**
Division of Pulmonary Medicine

**Teresa L. Andreone, MD**
Division of Critical Care

**Craig Belsha, MD**
Division of Nephrology

**William S. Ferguson, MD**
Division of Hematology/Oncology

**Thomas M. Foy, MD**
Division of Gastroenterology

**M. Susan Heaney, MD**
Division of General Pediatrics

**Alan P. Knutsen, MD**
Division of Allergy/Immunology

**Blakeslee Noyes, MD**
Division of Pulmonary Medicine

**Robert S. Ream, MD**
Division of Critical Care

**Anthony J. Scalzo, MD**
Division of Emergency Medicine

**Elaine Siegfried, MD**
Division of Dermatology

**Sherida E. Tollefsen, MD**
Division of Endocrinology

**Ellen G. Wood, MD**
Division of Nephrology