

# 2014 Research Annual Report

## Pediatric Dermatology



### Division Summary

#### RESEARCH AND TRAINING DETAILS

|                             |   |
|-----------------------------|---|
| Number of Faculty           | 2 |
| Number of Support Personnel | 7 |
| Peer Reviewed Publications  | 3 |

#### CLINICAL ACTIVITIES AND TRAINING

|                             |      |
|-----------------------------|------|
| Number of Clinical Staff    | 9    |
| Number of Clinical Fellows  | 1    |
| Number of Clinical Students | 6    |
| Inpatient Encounters        | 205  |
| Outpatient Encounters       | 6471 |

### Division Photo



A Lucky, K Shah

## Significant Accomplishments

### Improved Access

We are recruiting new faculty members to meet the strong demand for appointments from throughout the region. We now offer appointments at Cincinnati Children's Mason and Liberty Township outpatient locations, and we plan to expand to the Green Township location.

### Excimer Laser Introduced

For children with certain skin disorders, such as psoriasis and vitiligo, standard therapy with topical medications is not effective, resulting in frustration and poor adherence. We now provide excimer laser treatment for these inflammatory skin diseases at the Burnet campus. The laser effectively treats these conditions by delivering painless, focused ultraviolet light to affected areas.

### Clinical Research

The Division is expanding its role of promoting research in dermatologic diseases in children. We are involved in a clinical trial involving psoriasis, and are developing future research in atopic dermatitis and melanoma.

### Patch Testing

Allergic contact dermatitis is not uncommon in children, but identifying the allergen causing it can be difficult and frustrating. We now offer epicutaneous patch testing to evaluate reactions to a customized series of potential allergens, including nickel and other metals, sunscreen ingredients, fragrances, preservatives and other chemicals.

## Advances in Medical Photography and Dermoscopy

Our full-time medical photographer captures, creates and catalogs thousands of clinical images of dermatologic diseases to support patient care and clinical research. The images are particularly useful in monitoring children with melanocytic nevi or a history of melanoma who are cared for in our Pigmented Lesion Center. In addition, through the use of epiluminescence microscopy, we can obtain specialized dermoscopy images of melanocytic nevi and other cutaneous lesions that can facilitate diagnosis.

## Division Publications

1. King A, Stellar JJ, Blevins A, Shah KN. **Dressings and Products in Pediatric Wound Care**. *Adv Wound Care (New Rochelle)*. 2014; 3:324-334.
2. Shah KN. **Pediatric dermatology for the primary care provider**. *Pediatr Clin North Am*. 2014; 61:xv-xvi.
3. Wanat KA, Castelo-Soccio L, Rubin AI, Treat JR, Shah KN. **Recurrent Stevens-Johnson syndrome secondary to Mycoplasma pneumoniae infection**. *Cutis*. 2014; 93:E7-8.

## Faculty, Staff, and Trainees

### Faculty Members

**Kara Shah, MD, PhD**, Associate Professor

**Leadership** Division Chief

**Research Interests** atopic dermatitis, psoriasis, genetic skin diseases (genodermatosis), hemangiomas and vascular malformations, neonatal dermatology, cutaneous lymphoma, hair and nail disorders, moles and pigmented lesions

**Anne Lucky, MD**, Adjunct

**Leadership** Volunteer Professor

**Research Interests** Pediatric Dermatology

### Clinical Staff Members

- **Katharine Bloomfield, RN**,  
*Registered Nurse*
- **Ann Borrego, MA**
- **Tricia Brichler, RN**,  
*Registered Nurse*
- **Victoria Gatherwright, MA**
- **Susan MacPherson, MSN, PNP-BC**,  
*Nurse Practitioner*
- **Leigh Ann Pansch, MSN, FNP-BC**,  
*Nurse Practitioner*
- **Tina Smithmeyer, MA**
- **Danielle Swartz, MA**
- **Kelly Brauning, RN**

### Trainees

- **Fernanda Bellodi Schmidt, MD, PL-4**

## Division Collaboration

Genodermatosis Clinic- A comprehensive multidisciplinary evaluation and management for children and adults with known or suspected genetic disorders that have genetic and dermatologic involvement. (Kara Shah, MD, PhD)

**Human Genetics** » T. Andrew Burrow MD, FAAP, FACMG

The Eczema Center - Treating the whole child by taking a collaborative, patient centered approach to the care and treatment of your child's eczema. Our goal is to provide you and your child with a comprehensive evaluation and treatment plan; and a caring and supportive team of physicians, nurses, and care coordinators in order to ensure that your child receives the best care available for their eczema. (Kara Shah, MD, PhD)

**Allergy and Immunology** » Amal Assa'Ad, MD, Karl von Tiehl, MD, and Michelle Lierl, MD

**Pain Management** » John Rose, MD, Kenneth Goldschneider, MD, and Alexandra Szabova, MD

**Behavioral Medicine & Clinical Psychology** » Jessica Kichler, PhD and Sandra Cortina, PhD

**Social Services** » Kami Hines, LSW

**Human Genetics** » Robert J. Hopkin, MD

**Neurology** » Mary Sutton, MD

**Gastroenterology, Hepatology & Nutrition** » Ajay Kaul, MBBS, MD

**Neurosurgery** » Kerry R. Crone, MD

**Cardiology** » Russell Hirsch, MD

**Ophthalmology** » Michael B. Yang, MD

**Pathology and Laboratory Medicine** » Anita Gupta, MD

The Hemangioma and Vascular Malformation Program at Cincinnati Children's offers a multidisciplinary approach and expert assessment for patients with a complex and wide-ranging group of conditions ranging from uncomplicated vascular lesions to much more serious vascular tumors and malformations. (Kara Shah, MD, PhD & Anne W. Lucky, MD)

**Orthopaedics** » Joel I. Sorger, MD and James J. McCarthy, MD

**Human Genetics** » Erin A. Mundt, MS, CGC

**Pathology and Laboratory Medicine** » Anita Gupta, MD

**Radiology** » James J. McCarthy, MD, Todd Abruzzo, MD, and Manish N. Patel, DO

**Plastic Surgery** » David A. Billmire, MD, FACS, FAAP and Christopher B. Gordon, MD

**Hematology / Oncology** » Adrienne M. Hammill, MD, PhD and Denise M. Adams, MD

**Otolaryngology** » Ravindhra G. Elluru, MD, PhD

**Pediatric General and Thoracic Surgery** » Roshni Dasgupta, MD and Richard G. Azizkhan, MD