

# Hemostasis and Thrombosis



Cincinnati Children's provides leading-edge testing, consultation and treatments for children, adolescents and young adults with bleeding and clotting disorders. Our pediatric hematologists work with a multidisciplinary team with the goal of helping patients experience the best quality of life possible. In addition to providing expert treatment, they conduct clinical, basic and translational research to discover new ways of treating and preventing these conditions.

## CONTACT US

For patient referrals:  
Phone: **513-517-2234 (CBDI)**

For international inquiries:  
Phone: **+1-513-636-3100**

[www.cincinnatichildrens.org](http://www.cincinnatichildrens.org)

## COLLABORATIVE, MULTIDISCIPLINARY CARE FOR CHILDREN WITH BLEEDING AND CLOTTING DISORDERS

The care team takes a holistic approach to understand each patient's needs and find ways to address them effectively. Whenever possible our physicians customize a patient's treatment plan based on each patient's unique medical needs. We also provide extensive education and support to help patients learn how to manage their condition for the rest of their lives.

## COMPREHENSIVE, ADVANCED THERAPIES

The Hemostasis and Thrombosis Center offers two comprehensive programs for patients with bleeding and clotting disorders.

### Hemophilia and Bleeding Disorders Program

The Hemophilia and Bleeding Disorders Program is one of 160 federally-funded hemophilia treatment centers in the United States. Our team of pediatric hematologists, nurses, social workers and physical therapists provides extensive services, including comprehensive clinics, personalized home treatment plans and a 340B pharmacy program.

The center treats children with:

- Hemophilia A
- Hemophilia B
- Other factor deficiencies, including Factor VII, X and XIII
- von Willebrand's disease
- Platelet function disorders, including Glanzmann thrombasthenia
- Bleeding disorders affecting young women (combined clinic with gynecology)

### Thrombosis Program

The Thrombosis Program offers innovative therapies, including catheter-directed thrombolysis and at-home monitoring technologies. The thrombosis team of pediatric hematologists, nurses and social workers provides expert care for children with all types of blood clots, including:

- Deep vein thrombosis
- Pulmonary embolism
- Cerebral sinus venous thrombosis
- Stroke



Cincinnati Children's is ranked #3 in the nation among Honor Roll hospitals.



## OUR TEAM

### HEMATOLOGY

**Cristina Tarango, MD**

*Director, Hemophilia Treatment Center*

**Eric Mullins, MD**

*Research Director, Hemophilia Treatment Center*

**Lori Luchtman-Jones, MD**

*Medical Co-Director, Hemostasis and Thrombosis Lab  
Director, Translational Research  
Medical Director, Hematology Division*

**Joseph S. Palumbo, MD**

*Director, Comprehensive Thrombophilia Center  
Co-Director, Hemostasis and Thrombosis Lab*

**Sommer Jones, PA-C**

**Stephanie Lenahan, PA-C**

### PEDIATRIC AND ADOLESCENT GYNECOLOGY

**Rula V. Kanj, MD**

### INTERVENTIONAL RADIOLOGY

**Manish Patel, DO**

## HEMOSTASIS AND THROMBOSIS LABORATORY (HTL)

The Hemostasis and Thrombosis Lab offers extensive testing for hematologic and platelet disorders, including many tests that are not widely available. This includes specialized assays such as von Willebrand disease panels, platelet aggregation and thrombophilia testing. Testing also includes the Platelet Disorders Gene Sequencing Panel for congenital platelet function disorders. It has 60+ genes in the panel and is the most advanced test of its kind.

## EXTENSIVE CLINICAL RESEARCH INITIATIVES

The Hemostasis and Thrombosis Center participates in more than 20 clinical research studies, often providing leadership at the national and international level. Cincinnati Children's is:

- Collaborating with the pharmaceutical industry to provide access to groundbreaking hemophilia therapies, including long-acting factor VIII products
- Participating in large, multicenter trials examining the duration of treatment and new therapeutics for children with thrombosis
- Offering multiple local studies to investigate more effective therapies and treatment approaches for children with hemophilia, hemophilia with inhibitors and thrombosis

## BASIC SCIENCE RESEARCH TO EXPLORE NOVEL THERAPEUTIC TARGETS

Our basic science researchers use a combination of genetic approaches, particularly gene-targeting technologies, to explore the general hypothesis that proteases, protease receptors, substrates and inhibitors associated with blood coagulation and fibrinolysis are critical determinants of tumor cell metastasis, antimicrobial host defense, cardiovascular disease and inflammatory disease.

Recent advances have established the contribution of hemostatic proteases and their substrates in vascular- and immune-cell signaling, regulation of endothelial/blood cell function and disease pathobiology. This is a major driving force for our basic and translational research initiatives.

Given that hemostatic factors appear to contribute to multiple disease processes, our initiatives may illuminate novel therapeutic strategies for the prevention or treatment of a wide spectrum of life-threatening diseases.

**For urgent issues, or to speak with the specialist on call 24/7, call the Physician Priority Link® at 1-888-987-7997.**

**For international inquiries, call +1-513-636-3100 or email [international@cchmc.org](mailto:international@cchmc.org).**