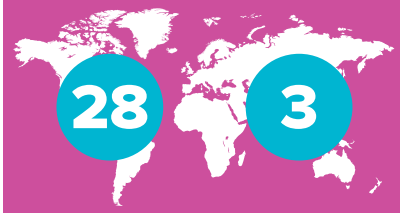
Hemangiomas and Vascular Malformations

Cincinnati Children's
changing the outcome together



Patients visited us from 28 states and 3 countries

876

New patients

2,194

We evaluated and cared for children and adults in 2,194 unique clinic visits

FY22 Data: July 2021– June 2022

Vascular anomalies comprise a spectrum of conditions that are broadly classified as tumors and malformations. Diagnosis is often challenging due to a wide range of clinical presentations and the complexity of these conditions. Misdiagnosis may result in unnecessary testing, inadequate monitoring or the use of potentially harmful and ineffective surgical procedures and medical treatments. Accurate diagnosis is essential to generate an effective treatment plan, which frequently requires multiple subspecialists during different phases of treatment.

HOW WE'RE DIFFERENT

Founded in 2001, the Hemangioma and Vascular Malformation Center (HVMC) at Cincinnati Children's is one of the largest comprehensive vascular anomaly centers in North America and includes two nationally recognized Centers of Excellence for Hereditary Hemorrhagic Telangiectasia (HHT) and Sturge-Weber Syndrome (SWS). As a national and international referral center for vascular anomalies, we follow approximately 4,000 patients and perform more than 800 new consultations each year. We evaluate and treat both children and adults with a wide variety of vascular tumors and malformations.

The HVMC team is comprised of providers from multiple sub-specialties with expertise in the diagnosis and management of vascular anomalies. Our providers, selected based on the unique needs of each patient, work closely together and collaborate to establish an accurate diagnosis and to create an effective treatment plan for each individual. Our staff also includes nurses, a genetic counselor, psychologist, social worker, and physical and occupational therapists who provide vascular anomaly-focused support to patients and their families.

CONDITIONS TREATED

Our center specializes in the diagnosis and treatment of vascular malformations, hemangiomas and other rare benign vascular tumors including:

- Infantile hemangioma
- Congenital hemangioma
- Tufted angioma
- Kaposiform hemangioendothelioma
- PTEN hamartoma
- Lymphedema
- Lymphatic channel anomaly (lymphangiectasia)
- Vascular malformations, including:
  - Capillary malformation
  - Venous malformation
  - Arteriovenous malformation
  - Lymphatic malformation (lymphangioma)
  - Combined vascular malformations
- Gorham-Stout Disease
- Generalized Lymphatic Anomaly
- Kaposiform lymphangiomatosis
- Syndromes associated with vascular anomalies, including:
  - Hereditary hemorrhagic telangiectasia (Rendu-Osler-Weber syndrome)
  - Sturge-Weber syndrome
  - Kasabach-Merritt phenomenon
  - Overgrowth syndromes
    - CLOVE syndrome
    - Klippel-Trenaunay syndrome
    - PIK3CA-related overgrowth syndromes
  - PTEN-associated syndromes
  - Maffucci syndrome
  - Proteus syndrome
  - PHACE syndrome
  - PELVIS syndrome (also called LUMBAR or SACRAL syndrome)

TREATMENT TEAM

Kiersten Ricci, MD
Clinical Director

Roshni Dasgupta, MD
Surgical Director

Manish Patel, DO
Radiology Director

Adrienne Hammill, MD, PhD
Research Director

Subspecialists from:

Behavioral Medicine and Clinical Psychology

Dermatology

Hematology/Oncology

Human Genetics

Interventional Radiology

Neurology

Neurosurgery

Occupational/Physical Therapy

Orthopaedics

Otolaryngology

Pathology

Pediatric Surgery

Plastic Surgery

Pulmonary

Radiology

www.cincinnatichildrens.org/hemangioma

TREATMENT APPROACH

Providing an accurate diagnosis is the first critical step in the patient treatment path at Cincinnati Children's. Nearly a quarter of patients with vascular malformations and rare vascular tumors come to us with a misdiagnosis. Vascular lesions are diagnosed by physical examination, laboratory tests, tissue biopsy and imaging techniques such as ultrasonography, computerized tomography (CT) and magnetic resonance imaging (MRI). Treatments depend on the type, location and extent of the vascular anomaly and are tailored for each patient. Some treatment options include:

- Medication
- Sclerotherapy
- Complete decongestive therapy (CDT)
- Compression garments
- Laser procedure
- Surgery
- Psychosocial services

In order to deliver comprehensive care, our team considers physical functioning as well as emotional and social wellbeing in the treatment approach of our patients.

VASCULAR ANOMALY RESEARCH

At Cincinnati Children's, we perform both clinical and basic science research in the field of vascular anomalies. Patients may participate in clinical trials, registries, repositories, questionnaires and other study opportunities. Dedication of researchers, medical providers and patients to the scientific study of vascular anomalies is central in expanding our understanding of these conditions, developing new treatments, improving disease outcomes and enhancing quality of life for patients and their families.

For more information about our clinical program and/or research, visit our website at: www.cincinnatichildrens.org/hemangioma

For new referral or scheduling questions, call 1-800-344-2462 ext. 67742 or 1-513-636-7742, option 1.

For clinical questions, call the Physician Priority Link® at 1-888-987-7997.

For international inquiries, call +1-513-636-3100 or email international@cchmc.org.

082022_BRV163493