

Cardio-Oncology Program



The Cardio-Oncology Program at Cincinnati Children's provides comprehensive care for patients who have cancer, bone marrow failure or a blood disorder and may be at risk for cardiovascular disease due to their underlying disease and treatment. Our goal is to protect and preserve cardiovascular function while ensuring that treatment for each patient's hematology/oncology condition is not compromised.

CONTACT US

For patient referrals and non-urgent consultation during business hours:

Phone: **513-803-1746**

For urgent or same-day consultations, contact cardiology through the Physician Priority Link (PPL):

Phone: **1-888-987-7997**

[www.cincinnatichildrens.org/
cardio-oncology](http://www.cincinnatichildrens.org/cardio-oncology)



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

PROGRAM HIGHLIGHTS

As a program co-directed by cardiology and oncology clinical leadership, our team includes pediatric hematologists, oncologists, stem cell transplant specialists and cardiologists. The team collaborates to assess each patient's condition throughout active therapy and beyond, to recommend the most appropriate preventive care and/or treatment. This ensures continuity of care.

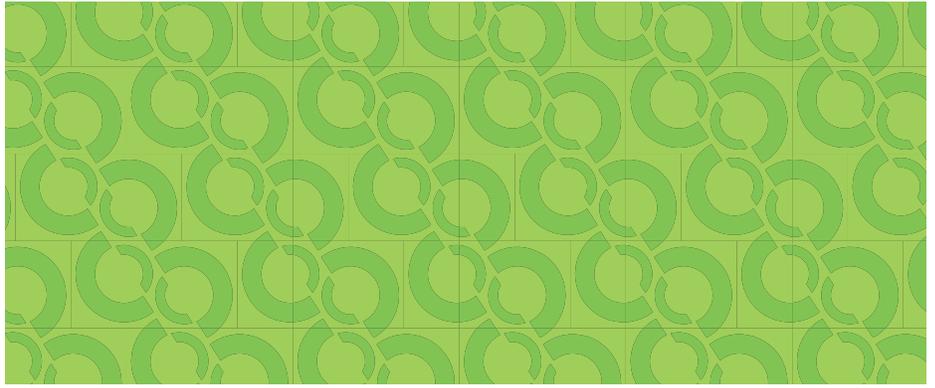
Beyond clinical care, we actively collaborate in research endeavors aimed at understanding the cardiovascular-related outcomes of cancer therapy, and treatments that may help minimize risk. Such research takes place within Cincinnati Children's Hospital, and as part of multi-center trials.

WHO WE TREAT

We treat patients with cancer, bone marrow failure or a blood disease who have developed cardiovascular disease as a rare side effect of their treatment. Cardiovascular disease can develop during active treatment or years to decades later, causing serious and sometimes life-threatening problems. If such problems are identified early, many can be treated and possibly reversed. Our program cares for these pediatric, adolescent and young adult patients who:

- Are undergoing active treatment
- Have completed treatment
- Have been previously diagnosed with heart problems, including congenital heart disease

Consults are available for inpatients at Cincinnati Children's, and in our dedicated outpatient clinic.



TREATMENT TEAM

Thomas D. Ryan, MD, PhD

Co-director, Cardio-Oncology Program

Rajaram (Raj) Nagarajan, MD, MS

Co-director, Cardio-Oncology Program

Joseph Dunn, MSN, RN, CPHON

Care Manager, Cardio-Oncology Program

Nicole Durkee, APRN, CNP

Nurse Practitioner, Cardio-Oncology Program

Annie Katt BSN, RN, CPN

Care Coordinator, Cardio-Oncology Program

Shelby Prenger, MSN, RN, CPN

Care Coordinator, Cardio-Oncology Program

Katie Richardson, APRN, CNP

Nurse Practitioner, Cardio-Oncology Program

Juli Sublett-Smith, APRN, CNP

Nurse Practitioner, Cardio-Oncology Program

CONDITIONS WE TREAT

Many chemotherapy medications can lead to cardiovascular disease in young patients. The most common are anthracyclines (such as doxorubicin and mitoxantrone). Other medicines shown to have effects on the cardiovascular system include cyclophosphamide, tyrosine kinase inhibitors and small molecule biological agents. In addition, radiation therapy, alone and particularly in combination with certain medications, can lead to cardiovascular disease.

Our experienced team of cardiovascular specialists treats patients with:

- Heart failure
- Arrhythmia
- Hypertension
- Pericardial effusion
- Abnormal heart valve function
- Cardiomyopathy
- Ventricular dysfunction

TREATMENT APPROACH

The Cardio-Oncology Program offers a unique team approach. Our pediatric cardiologists and nurse practitioner collaborate with referring physicians, hematologists, oncologists and stem cell transplant specialists to ensure that cardiovascular concerns are addressed early and in a way that does not interrupt or compromise other therapies. They follow patients closely throughout their course of treatment to ensure consistent, continuous care.

Sometimes patients do not need therapy—our specialists simply monitor their condition and encourage them to follow a heart-healthy lifestyle. At other times, providers prescribe medication to improve heart function or control heart rate or blood pressure. Rarely, other medical and surgical interventions are needed.

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