

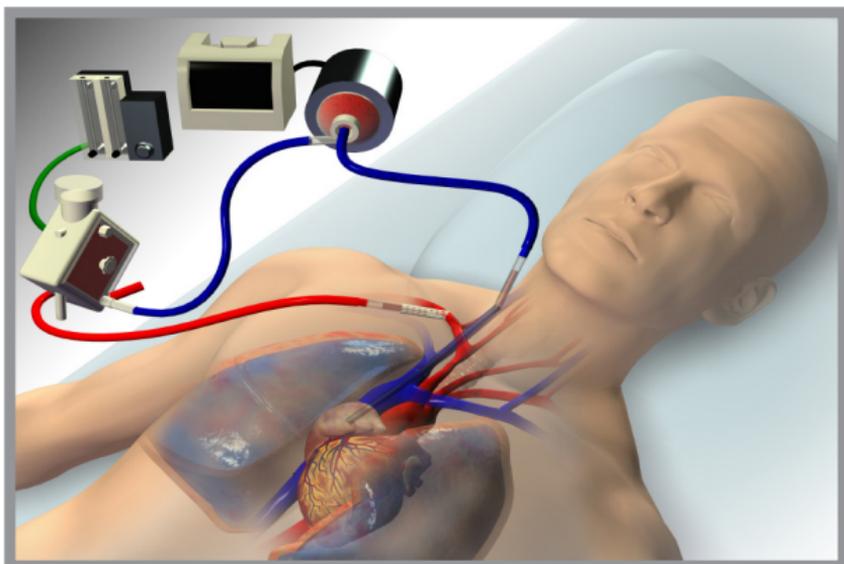
 **New York-Presbyterian**



Extracorporeal Membrane Oxygenation (ECMO)

Advanced Cardiac and
Respiratory Support at an
Award-Winning Center





Advanced Heart and Lung Support

The Adult Extracorporeal Membrane Oxygenation (ECMO) Program at NewYork-Presbyterian/Columbia University Irving Medical Center has extensive experience treating patients with advanced cardiac and respiratory failure. We are one of the largest ECMO transport programs in the world and offer rapid patient transfers with highly coordinated care — so your patients can quickly receive the lifesaving support they need.



NewYork-Presbyterian/Columbia achieved Platinum Level designation for Excellence in extracorporeal life support from the Extracorporeal Life Support Organization (ELSO).

**To refer a patient for ECMO,
call 1-800-NYP-STAT
(1-800-697-7828), 24/7.**

Why Choose Us for ECMO?

Rapid Evaluation, Seamless Transfer

A highly skilled mobile ECMO transport team is available 24/7 for referrals and patient transfers. Our team offers rapid evaluation of referrals and has specialized emergency ECMO transport teams who can travel to your hospital with an ECMO circuit and transport appropriate patients to NewYork-Presbyterian/Columbia for care.

Innovative Research

NewYork-Presbyterian is a world leader in the delivery of modern ECMO therapy and developed innovative approaches to cannulation and patient management. For recent publications, visit <https://www.nyp.org/clinical-services/ecmo-program/research-carf>

Cutting-Edge Technology

We use 24/7 remote monitoring technology that helps us to respond to patients within seconds, as well as to predict changes in patient support requirements.

The ECMO Team

ECMO patients at NewYork-Presbyterian/Columbia are cared for by a multidisciplinary team trained in the treatment of advanced cardiac and respiratory failure. We have extensive experience in ECMO treatment as well as post-ECMO follow-up and outpatient care.





Patients We Treat

The Adult ECMO team provides comprehensive management for patients with:

Cardiogenic Shock

- Post-acute coronary syndrome management
- Acute myocarditis
- Refractory arrhythmia
- Valvular and advanced cardiomyopathies with cardiogenic shock
- Massive pulmonary embolism
- Need for escalation of biventricular support
- Sepsis/stress-induced cardiomyopathy with cardiogenic shock as bridge to recovery or durable mechanical circulatory support/heart transplantation

Severe Respiratory Failure

- Severe ARDS
- Status asthmaticus
- Severe pneumonia
- Select cases of pulmonary hypertensive crisis, post-surgical respiratory failure, and trauma

Michael McGuire: One Patient's Experience

Michael McGuire experienced a cardiac arrest in April 2018, just after he and his fiancée, Cindy, had finished looking at the venue for their upcoming wedding reception. Cindy and the paramedics provided life-saving CPR and Michael was taken by ambulance to NewYork-Presbyterian/Columbia's catheterization lab to clear a blockage from his heart. His heart function further deteriorated, and medical management alone was insufficient to keep him alive. The ECMO team was immediately activated and placed Michael on venoarterial ECMO to deliver oxygen to his brain and vital organs while his heart was unable to do so. Michael remained on ECMO for five days. Ultimately his heart recovered, he was weaned from ECMO, and he was discharged eight days later. He and Cindy married that September, choosing the traditional vows of "in sickness and in health" after all they had been through together.



A Top 5 Hospital in the Country

NewYork-Presbyterian is one of the nation's most comprehensive, integrated academic healthcare delivery systems, dedicated to providing the highest quality, most compassionate care and service to patients from the New York metropolitan area, across the country, and around the world. In collaboration with two renowned Ivy League medical schools — Weill Cornell Medicine and Columbia University Vagelos College of Physicians and Surgeons — NewYork-Presbyterian is consistently recognized as a leader in medical education, groundbreaking research, and innovative patient care. *U.S. News & World Report* ranks NewYork-Presbyterian as the #1 hospital in New York and a top five hospital in the nation.

For non-clinical questions, email ecmo@nyp.org.

www.nyp.org/ecmo