

Center for Diaphragm Pacing

DEPARTMENT	Surgery
DIRECTOR	Raymond P. Onders, MD (cell 216-308-9136)
PACING TEAM	Mary Jo Elmo, CNP, Project Manager Cindy Kaplan, RN, MSN, Project Coordinator
APPOINTMENT LINE	Please call 216-844-8594 to speak with a registered nurse. Please call 216-844-5797 to speak with office staff. For hospital transfers, please call 216-844-1111.

Conditions Treated

- Spinal cord injury/quadruplegia, adult and pediatric
- Amyotrophic lateral sclerosis (ALS, or Lou Gehrig's disease)
- Unilateral and bilateral diaphragm dysfunction/paralysis associated with limb girdle muscular dystrophy, spinal muscle atrophy, Guillian-Barre, Pompe's, lupus, Parsonage-Turner syndrome, brachial plexus neuritis, Brown-Vialetto-Van Laere (BVVL) syndrome and idiopathic unilateral or bilateral diaphragm dysfunction
- Congenital central hypoventilation syndrome
- Diaphragm dysfunction post-rotator cuff surgery, post-lobectomy, post-cardiac bypass and valve replacement
- Failure to wean post-lung, -cardiac, -liver and -kidney transplant

Therapies

- Diaphragm pacing surgery
- Minimally invasive diaphragm plication
- Low-profile PEG placement for ALS patients

Distinguishing Features

- Multidisciplinary team includes surgery, neurology, radiology and pulmonology
- World leader in diaphragm pacing
- More than 100 publications on diaphragm pacing and diaphragm dysfunction
- Only center in U.S. implanting for diaphragm dysfunction and pediatric spinal cord injury

About UH Cleveland Medical Center

At the core of University Hospitals' \$4 billion health system is UH Cleveland Medical Center, ranked among America's best hospitals by U.S. News & World Report. UH Cleveland Medical Center is home to some of the most prestigious clinical and research programs in the nation, including cancer, pediatrics, women's health, orthopedics, radiology, neuroscience, cardiology and cardiovascular surgery, digestive health, transplantation and genetics. Its main campus includes UH Rainbow Babies & Children's Hospital, ranked among the top children's hospitals in the nation; UH MacDonald Women's Hospital, Ohio's only hospital for women; and UH Seidman Cancer Center, part of the NCI-designated Case Comprehensive Cancer Center at Case Western Reserve University.