Pulmonology

Our Pediatric Pulmonology practice provides diagnosis and comprehensive care for the full range of lung and respiratory disorders. Your child will benefit from our leading edge technologies such as flexible fiberoptic bronchoscopy and pulmonary function testing (PFT), and collaboration with behavioral sleep specialists. Our Weill Cornell Pediatric Sleep and Breathing Disorders Center is dedicated to infants, children and adolescents.

Services & Programs

Our Pediatric Pulmonology specialists treat common and complex respiratory and lung disorders including:
Sleep disorders and breathing disorders during sleep are among the most common issues parents deal with in childhood. These disorders may result in learning and behavioral disabilities, as well as long term pulmonary, endocrine and heart disease. At the Pediatric Sleep and Breathing Disorders Center, we perform the full range of studies required to diagnose sleep disorders, including daytime and overnight studies.

Learn more: Pediatric Sleep and Breathing Disorders Center

 Pediatric Aerodigestive Center

Our Pediatric Pulmonology team is part of Weill Cornell Medicine’s Pediatric Aerodigestive Center -- a multidisciplinary program bringing Pediatric Pulmonology, Pediatric Gastroenterology and Pediatric Otolaryngology (ENT) specialists together to provide coordinated, single-location care for children with conditions related to the aerodigestive tract.

Learn more: Pediatric

Diagnosis & Treatment

Pulmonary Function Test

To diagnose and manage a child’s respiratory disease, doctors often rely on respiratory function testing: painless and noninvasive tests that assess various aspects of lung function including the size of the lungs; the speed and force with which air leaves the lungs; and how well oxygen crosses from the lungs into the blood vessels. Doctors can also measure changes in a child’s lung function over time or during ongoing therapy, or his or her immediate response to medications for asthma.

Our pediatric pulmonologists use the latest technologies and equipment to diagnosis and treat
lung diseases and disorders in children and adolescents, including:

- Spirometry
- Lung volumes
- Exhaled nitric oxide
- Diffusion testing
- Methacholine challenge
- Cardiopulmonary exercise testing

**Bronchoscopy**

Our staff is experienced in examining the smaller airways of infants and children of any age using flexible fiberoptic bronchoscopy. Our approach has a high level of diagnostic accuracy while allowing your child to breathe spontaneously during the test.

Our flexible bronchoscopy offers:

- Upper and lower airway anatomy assessment for presence of increased secretions and infections
- Bronchoalveolar lavage (BAL)
- Brush biopsies

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**Dr. Stefan Worgall**

Chief, Pediatric Pulmonology, Allergy & Immunology  
Distinguished Professor of Pediatric Pulmonology  
Professor of Pediatrics and Genetic Medicine  
Attending Pediatrician  
[View Dr. Worgall's Profile](#)

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**Dr. Gerald Loughlin**

Nancy C. Paduano Professor & Chairman, Department of Pediatrics, Weill Cornell Medicine  
Pediatrician-in-Chief, NewYork-Presbyterian/Weill Cornell Medical Center  
Phyllis and David Komansky
What to expect
Research

Our faculty are engaged in research to better understand chronic lung diseases, particularly asthma and cystic fibrosis, and to develop new strategies to prevent and treat these disorders.

Resources

The Pediatric Pulmonology fellowship is an intensive, 3-year ACMGE-accredited program designed to prepare trainees for an active career in clinical care, research, and medical education. The focus of the training program is to provide fellows with a strong balance of clinical training and research experience.

Pulmonology Fellowship

What Sets us Apart

- We are affiliated with Komansky Children’s Hospital at NewYork-Presbyterian, the #1 ranked children’s hospital in New York City on the 2017-2018 US News & World Report Best Children’s Hospitals survey.

- Our Pediatric Sleep Lab is dedicated exclusively to children and adolescents of all ages, including infants.