

# Pediatric Pulmonology

PE 365.99

## General Information

**COURSE CHAIRS:** Irina Dralyuk MD. MS & Derek Corpus MBBS

**STUDENT COORDINATOR'S CONTACT INFORMATION:**

**PHONE:** 310-423-4780 (option 1) or 310-423-8455

**E-MAIL:** [Calvin.Lee2@cshs.org](mailto:Calvin.Lee2@cshs.org)

**STUDENTS / PERIOD:** max 1

**DURATION:** 3 weeks

**Please contact the Student Program Coordinator for other arrangements**

Please visit our [VSLO](#) catalog for dates and to submit your application.

## Requirement(s)

Students will have recommended reading and cases in pediatric pulmonology

## Description

1. The student must attend all regularly scheduled resident education conferences: grand rounds and morning report.
2. The student must take any scheduled call, such as in the ER.
3. At all other times Monday through Friday, the student should be working with the pediatric pulmonary section.
4. The student is expected to do all in-hospital consults during the week and present these to the pediatric pulmonologist on call.
5. The student is expected to follow all in-hospital patients on the pediatric pulmonology service.
6. The student should see all in-patients each morning before morning report.
7. The student will be given self-assessment exams or reading materials almost every day. It is important to complete these each evening/night, as new materials will usually be given the next day.
8. The student is expected to see both new and follow-up patients in the clinic.
9. The student will present a 30 minute presentation on the (topic of their choice) in order to complete their rotation

## Course Objectives

☐ **Fundamental Knowledge of Pediatric Pulmonology:**

- Establish foundational understanding of respiratory anatomy, physiology, and common pediatric pulmonary conditions (e.g., asthma, cystic fibrosis, bronchiolitis).
- Interpret basic respiratory function tests and explain their clinical implications

☐ **Clinical Assessment and Diagnostic Skills:**

- Conduct proficient patient histories with an emphasis on respiratory symptoms.
- Perform focused physical exams on the respiratory system, including honing auscultation skills (differentiating normal and abnormal sounds as well as their pathophysiologic origins)
- Recognize clinical signs of respiratory distress and interpret pulse oximetry readings.

☐ **Diagnostic Procedures and Interpretation:**

- Demonstrate knowledge on clinical indications for ordering spirometry, chest X-rays, and bronchoscopy, with basic interpretation skills.
- Interpret blood gas analysis

☐ **Treatment and Management Strategies:**

- Explain pharmacologic and non-pharmacologic management of asthma, Cystic fibrosis, non-CF bronchiectasis,
- Demonstrate proficiency in mechanism of inhalers, nebulizers, and oxygen therapy as well as their use
- Understand the role of multidisciplinary care in chronic conditions like asthma and cystic fibrosis.

☐ **Patient Education and Communication:**

- Develop and practice skills in explaining diagnoses, treatments, and preventive care to patients and their families.
- Demonstrate empathetic communication, especially with discussing chronic conditions or lifestyle changes.

☐ **Research and Evidence-Based Medicine:**

- Review current literature on pediatric pulmonology
- Understand the basics of clinical research
- Apply evidence-based approaches to case discussions.

## Student Experiences

### COMMON PROBLEMS/DISEASES

**INPATIENT:** Status asthmaticus, bronchiolitis, bronchopulmonary dysplasia, hypoxia, complex pneumonia, pneumothorax, EVALI, pulmonary hypertension, persistent oxygen dependence, tracheostomy evaluation

**OUTPATIENT:** Asthma, bronchopulmonary dysplasia, pneumonia, interstitial lung disease, tracheostomy dependence, aerodigestive issues, obstructive and restrictive lung disease

**CONSULTATION:** Yes

**PRIMARY CARE:** Yes

## Pediatric Pulmonology

### Typical Schedule

Approx. # of Patients Evaluated/Week by Student	Outpatient: 20-30; Inpatient: 2-8
Approx. # of Patients Eval./Each Week by Service	Outpatient: 30-50; Inpatient: 2-10
Typical Monday	Inpatient rounding or study time
Typical Tuesday	Clinic patients 9 a.m.–5:00 p.m.
Typical Wednesday	Clinic patients 9am-5:00pm for 1 <sup>st</sup> and 2 <sup>nd</sup> Wednesdays of the month; 3 <sup>rd</sup> and 4 <sup>th</sup> are Inpatient rounding or study time
Typical Thursday	Clinic patients 9 a.m.–5:00 p.m.
Typical Friday	Bronchoscopy procedures, Inpatient rounding or study time
On-Call Schedule	No student call
Weekend Activities	No student weekend activity
Additional Comments/Special Requirements	