



STANFORD UNIVERSITY MEDICAL CENTER

STANFORD, CALIFORNIA 94305-5208 • (650) 723-5682

STANFORD UNIVERSITY SCHOOL OF MEDICINE
Department of Pediatrics
Division of Infectious Diseases

Dear Resident,

Welcome to the Pediatric Infectious Diseases rotation! We are looking forward to working with you during your time with us.

To do before your first day

- 📌 Review rotation objectives online at:
http://peds.stanford.edu/Rotations/infectious_disease/infectious_disease_rot_goals.html
- 📌 Contact Valerie Berland, Fellowship Program Coordinator
 - 650.723.5682; vberland@stanford.edu
 - [Find out which Peds ID fellow to contact on your first day](#)
- 📌 Contact David Vu
 - cell: 404.394.8663; davidvu@stanford.edu; pager number 13610
 - Arrange orientation to the rotation
 - Review how to do an ID consult
 - Review how to read an antibiogram
 - Discuss potential learning opportunities outside of inpatient service

Rotation Goals

1. Develop foundation in antimicrobial therapy
 - a. Classes of antibiotics
 - b. Mechanisms of action
 - c. Spectra of activity
 - d. Kinetics and adverse effects
2. Develop critical thinking skills for effective management of complex health care
3. Experience the role of a consultant
4. Develop clinical knowledge related to cases of infectious diseases

Resident Responsibilities

1. Participate as a member of the Pediatric Infectious Diseases Team
 - a. Attend inpatient rounds daily
 - i. Perform inpatient consultations
 - ii. Develop recommendations and discuss at rounds
 - iii. Follow-up on patients throughout the duration of the rotation, including pre-rounding and presenting on rounds daily
 - iv. Communicate recommendations to care teams and families
 - v. Communicate pending items to fellow and Monica De La Cruz, RN
 - b. Attend Wednesday morning outpatient Pediatric Infectious Diseases Clinic
 - i. Communicate pending items to fellow and Monica De La Cruz, RN
2. Attend and present at Clinical Case Conference at noon on Tuesdays
3. Attend Peds ID lecture at noon on Fridays
4. No evening or weekend call for Peds ID service

Weekly Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00	Morning Report	Adult ID Lecture/Journal Club (check w/fellow)	Morning Report	Morning Report	Dept. Grand Rounds
9:00	Inpatient Rounds	Inpatient Rounds	Peds ID Clinic 730 Welch Road 2nd Floor	Inpatient Rounds	Inpatient Rounds or Peds ID Clinic
10:00					
11:00				ID Q's (G330)	(your choice)
Noon	Residency Noon Conference	Clinical Case Conference Room G330	Residency Noon Conference	Residency Noon Conference	Peds ID Fellows Lecture Room G330
1:00	Inpatient Rounds	Inpatient Rounds	Inpatient Rounds	Inpatient Rounds	Inpatient Rounds
2:00					
3:00					
4:00					
5:00					

Feedback and Evaluation

The methods of evaluation for the Infectious Diseases Rotation will consist of:

- Global Ratings Scales
- Sample of Consultation Note
- 360° Evaluation written at the end of the rotation by the ID team (attending and fellow).

Feedback will be given throughout the rotation and a final oral feedback session will occur at the end of the rotation.

Do not hesitate to contact your attending or fellow if you have any questions or concerns. We encourage you to discuss with your team topics you would like to have reviewed. Some attendings require that the resident prepare a 10-minute topic of interest to discuss with the team at the end of the rotation. Please ask your attending if he/she would like for you to do this. Please come every day with questions for rounds as this is the best way to learn.

We also are always trying to improve the rotation, so we welcome your suggestions for ways we may improve your educational experience.

We look forward to working with you!

Sincerely,

The Division of Pediatric Infectious Diseases

Peds ID Clinical Team Contact Information

Last Name	First Name	Extensions	Pager No.	Email
Faculty				
Amieva	Manuel	6-4085	14399	amieva@stanford.edu
Chen	Sharon	736-9821	14216	sfchen@stanford.edu
Contopoulos	Despina	724-5256	13135	dcontop@stanford.edu
Desai	Rishi	N/A	N/A	rishi5@stanford.edu
DuBray	Kara	(831) 372-5841	N/A	liver@stanford.edu
Egan	Elizabeth	498-6953	23839	eeagan@stanford.edu
Gans	Hayley	5-8935	13815	hagans@stanford.edu
Geertsma	Francesca	(415) 600-0770	(415) 232-1285	fgeertsm@stanford.edu
LaBeaud	Desiree	5-6568	23741	dlabeaud@stanford.edu
Maldonado	Bonnie	5-6565	13566	bonniem@stanford.edu
Mathew	Roshni	5-6276	14531	roshnim@stanford.edu
McCarty	Jim	736-4140	(559) 487-4204	jmccart2@stanford.edu
Nadimpalli	Sruti	3-3298	23332	sruti@stanford.edu
Schwenk	Hayden	497-4834	23109	hschwenk@stanford.edu
Srinivas	Nivedita	736-4423	23378	nivedita@stanford.edu
Vu	David	8-9118	13610	davidvu@stanford.edu
Fellows				
Del Valle Mojica	Coralee	5-6564	14647	cdelval@stanford.edu
Pham	Trung	5-6564	14782	tpham8@stanford.edu
Seddik	Talal	5-6565	14927	talal@stanford.edu
Staff				
Berland	Valerie	3-5682	N/A	vberland@stanford.edu
Betonio	Jaclyn	498-1875	N/A	JBetonio@stanfordchildrens.org
De La Cruz	Monica	3-6299	N/A	MDeLacruz@stanfordchildrens.org
Clinic & Miscellaneous				
Clinic Backroom: 5-1516	Clinic Fax: 5-1481 Division Fax: 5-8040	Clinic Front Desk 8-4225	Referral Center: (800) 995-5724 Medicine Specialties 721-5805	
JMH Clinic: (925) 239-2900; 2Bugs Pager: 22847; SpecktraLink Phone: 4-3711; IPC: 497-8447 Interpreter: 244 Page Operator: 723-4000 SU Operator: 723-2300				

Last updated: January 26, 2017

Competency-based Goals and Objectives

Goal 1. Understand the appropriate use of antibiotics in managing infections in children.

Resident Objectives:	Instructional Strategies	Assessment of Competencies	ACGME Competency Goals
When caring for pediatric patients with common infections, determine when and whether drug therapy should be instituted.	Patient care Antibiotic Overview (provided) Antibiogram (LPCH intranet) Red Book	Direct Observation Medhub Evaluation Discussion with faculty/fellow	MK PC
For common infections, demonstrate the ability to select an appropriate antibiotic, dose and route, based on antimicrobial mechanism of action, spectrum of activity, adverse effects, drug interactions, drug penetration and relative costs.	Patient care Antibiotic Overview (provided) Antibiogram (LPCH intranet) Red Book Text book (list provided)	Direct Observation Medhub Evaluation Discussion with faculty/fellow	MK PC
Correctly prescribe antimicrobials based upon knowledge of local susceptibility/resistance patterns for common pathogens.	Patient care Antibiogram (LPCH intranet)	Direct Observation Medhub Evaluation Discussion with faculty/fellow	MK PC
Review the role and thought process when dealing with patients who have complex or life threatening illnesses, such as the use of static vs. bactericidal drugs, drug combinations and synergies, and monitoring patients for toxicity and efficacy.	Patient care Antibiotic Overview (provided) Text book (list provided) Relevant literature search	Direct Observation Medhub Evaluation Discussion with faculty/fellow	MK PC
Develop familiarity with several reliable resources for information on common antibiotics, resistance patterns and new treatments for infectious diseases, and consistently use current information when prescribing antibiotics.	Patient care Antibiotic Overview (provided) Antibiogram (LPCH intranet)	Direct Observation Medhub Evaluation Discussion with faculty/fellow	MK PBLI

Goal 2. Understand the laboratory methods used in pediatrics relating to the diagnosis and management of infectious diseases in children

Resident Objectives:	Instructional Strategies	Assessment of Competencies	ACGME Competency Goals
Identify specific tests available for the diagnosis of various infectious diseases. Know the importance of proper specimen collection and its effect on results, explain the limitations of those tests (sensitivity, specificity, predictive values, cost), and describe the difference between colonization with normal flora, colonization with a potential pathogen and infection.	Patient care Microbiology rounds	Direct Observation Medhub Evaluation Discussion with faculty/fellow In-service exam	MK
Describe principles of clinical application of rapid diagnostic techniques for common pathogens (e.g., particle agglutination, rapid strep tests, monoclonal FA tests).	Patient care Microbiology rounds	Direct Observation Medhub Evaluation Discussion with faculty/fellow	MK PC
Discuss the principles and clinical application of the following: <ul style="list-style-type: none"> - Serologic tests such as Western immunoblot and enzyme-linked immunosorbent assay (ELISA) - Molecular biologic tests including: polymerase chain reaction (PCR), Southern Blot, and in situ hybridization 	Patient care Microbiology rounds	Direct Observation Medhub Evaluation Discussion with faculty/fellow	MK PC

- Susceptibility testing including: minimum inhibitory concentration (MIC), minimum bactericidal concentration (MBC), and synergy and antagonism
- Antibiotic serum concentrations and serum bactericidal titers
- Screening test results vs. diagnostic test results, and differences in the use and interpretation of such tests

Goal 3. To recognize common infectious diseases and understand the appropriate treatment in children.

Resident Objectives:	Instructional Strategies	Assessment of Competencies	ACGME Competency Goals
Critically evaluate a child presenting with signs and symptoms suggestive of an infectious disease using thorough history and physical examination.	Patient care Text book (list provided)	Direct Observation Medhub Evaluation Discussion with faculty/fellow	MK PC

- Identify and understand infectious disease in the inpatient setting.
- Identify and understand infectious disease in the ambulatory setting.

Develop appropriate differential using current medical information and scientific evidence to support diagnosis.

Develop a diagnostic plan to support and evaluate diagnosis.	Patient care Text book (list provided) Relevant literature search	Direct Observation Medhub Evaluation Discussion with faculty/fellow	MK PC PBLI
Understand current treatment options and apply appropriate treatment plan using current scientific evidence.	Patient care Text book (list provided) Relevant literature search	Direct Observation Medhub Evaluation Discussion with faculty/fellow	MK PC PBLI

Goal 4. To evaluate and diagnose children with common infectious diseases

Resident Objectives:	Instructional Strategies	Assessment of Competencies	ACGME Competency Goals
Gather essential and accurate information about patients through thorough history with specifics to exposure history using medical interviewing, chart review and physical examination.	Patient care	Direct Observation Medhub Evaluation Discussion with faculty/fellow	PC
Create a diagnostic plan based on patient information, current scientific evidence and sound clinical judgment	Patient care Text book (list provided) Relevant literature search	Direct Observation Medhub Evaluation Discussion with faculty/fellow	PC MK PBLI
Develop and institute patient care management plans	Patient care	Direct Observation Medhub Evaluation Discussion with faculty/fellow	PC

Adjust plan daily using new laboratory and radiology information and physical exam findings	Patient care	Direct Observation Medhub Evaluation Discussion with faculty/fellow	PC
Goal 5. To develop an effective plan for the care of children with infectious diseases			
Resident Objectives:			
Communicate effectively with patients and families, explaining in detail the care plan	Instructional Strategies Patient care Care conferences Observe and reflect on effective communication modeled by other providers	Assessment of Competencies Direct Observation Medhub Evaluation Discussion with faculty/fellow	ACGME Competency Goals ICS PC
- To update the family daily using new information			
- To answer all the patient's and families questions daily			
- To engage family and patients in care plan			
- To educate patient and family on issues pertaining to infectious diseases			
- To be involved with patient care conferences providing relevant infectious diseases information			
To communicate effectively with colleagues	Instructional Strategies Patient care Care conferences Observe and reflect on effective communication modeled by other providers	Assessment of Competencies Direct Observation Medhub Evaluation Discussion with faculty/fellow	ICS PC
- To verbally explain care plan to referring team in timely fashion			
- To update referring team daily with new information			
- To answer all questions regarding infectious diseases plan daily from referring physicians			
- To educate colleagues on issues pertaining to infectious diseases			
- To appreciate the role of a consultant in the care of a patient with infectious diseases			
Goal 6. To accurately diagnose and treat children with infectious diseases			
Resident Objectives:			
To use medical knowledge, medical literature and information to develop a broad differential diagnosis for children evaluated for signs and symptoms of infectious diseases	Instructional Strategies Patient care Text book (list provided) Relevant literature search Clinical cases Clinical conferences	Assessment of Competencies Direct Observation Medhub Evaluation Discussion with faculty/fellow	ACGME Competency Goals PBLI PC MK
To use medical knowledge, medical literature and information to guide daily decisions regarding patient care plan	Instructional Strategies Patient care Text book (list provided) Relevant literature search	Assessment of Competencies Direct Observation Medhub Evaluation Discussion with faculty/fellow	PBLI PC MK
To ask questions regarding the diagnosis, diagnostic evaluation, care plan and test results relating to patient care and infectious diseases	Instructional Strategies Patient care Clinical cases Clinical conferences	Assessment of Competencies Direct Observation Medhub Evaluation Discussion with faculty/fellow	PBLI
Goal 7. To work effectively with patients and colleagues to care for children with infectious diseases			
Resident Objectives:			
	Instructional Strategies	Assessment of Competencies	ACGME Competency Goals

To accept responsibility for the care of patients being evaluated for infectious diseases	Patient care Clinica cases	Direct Observation Medhub Evaluation Discussion with faculty/fellow	P
Recognize professional limitations and request assistance or supervision appropriately	Patient care Clinical conferences	Direct Observation Medhub Evaluation Discussion with faculty/fellow	P
Demonstrate empathy and compassion to all patients, and understand the sensitivity of some infectious diseases diagnoses	Patient care Clinical cases	Direct Observation Medhub Evaluation Discussion with faculty/fellow	P
To respect patients, families and colleagues during all interactions	Patient care Clinical cases	Direct Observation Medhub Evaluation Discussion with faculty/fellow	P
To respect the role of a consultant in the care of children with infectious diseases	Patient care Clinical cases	Direct Observation Medhub Evaluation Discussion with faculty/fellow	P
Goal 8. To understand how the care of children with infectious diseases is impacted by the health care system.			
Resident Objectives:			
Communicate effectively with the primary team to ensure that issues related to infectious diseases are handled effectively and in a timely fashion	Instructional Strategies Patient care Clinical cases	Assessment of Competencies Direct Observation Medhub Evaluation Discussion with faculty/fellow	ACGME Competency Goals SBP
Communicate effectively with primary team and case managers to ensure that patient care is coordinated upon discharge including the management of antibiotics, intravascular access and drug level monitoring	Patient care Clinical cases	Direct Observation Medhub Evaluation Discussion with faculty/fellow	SBP
Coordinate proper follow up care for children with infectious diseases requiring prolonged care	Patient care Patient care conferences	Direct Observation Medhub Evaluation Discussion with faculty/fellow	SBP
Identify costs for common diagnostic or therapeutic tests pertaining to the care of patients with infectious diseases	Patient care Clinical cases	Direct Observation Medhub Evaluation Discussion with faculty/fellow	SBP
Integrate cost awareness and cost benefit analysis into clinical decision making	Patient care Clinical cases	Direct Observation Medhub Evaluation Discussion with faculty/fellow	SBP

PBLL = practice based learning and improvement

ICS = interpersonal and communication skills

P= professionalism

MK= medical knowledge

PC= patient care

SBP = systems based practice