Infectious Diseases Goals	Objectives by Competency and Level of Training			Assessment Methods
	PL-1	PL-2	PL-3	
GOAL 1: Prevention, Counseling and Screening, Understand the role of the pediatrician in preventing infections diseases, and in counseling and screening individuals at risk for these diseases.	Patient Care: 1. Provider courine counseling about infectious disease prevention to all parents and patients, addressing: 1. Common infectious diseases of childhood 1. Routine immunization for the prevention of common childhood infections and illiesses 1. The role of hand hygiene in preventing the spread of infectious diseases 1. The role of hand hygiene in preventing the spread of infectious diseases 1. The handows diseases 1. The handows have the relief of the preventing the stransmission and acquisition (e.g., breatfeeling, avoidance of crowded settings such as daycare, xchools, institutions) 1. Belahaviors that may pread HIV, such as unsafe sexual practices, needle sharing and pregnancy 2. Provide counseling to parents and patients with specific infectious diseases about: 1. HIV testing transmission and follow-up 1. The exposure, expected course, treatment and transmission. 3. Explain to parents the significance and appropriate response to fever in children of various ages 4. Take an exposure history that provides clues to a specific diagnostic finded equestions about il corracts, and animal exposures, occupation, insect bites and die)	Patient Care: 1. Provide routine and appropriate screening for infectious disease processes. 5-creen for tuberculosis in high-risk populations and as schools require 5-creen for hepatitis, parasites, and other disease processes in new immigrants as appropriate. 4-Counsel and screen pregnant women and screen newborns for HIV 5-creen sexually abused children for sexually transmitted diseases (STDs), such as gonococcal, chiamydia, human immunodeficiency virus, hepatitis 8, and syphilis 5-creen sexually active adolescents for STDs at health visits 2. Take measures to prevent Group 8 strep in newborns 3. List situations in which screening is not appropriate but may be requested (e.g., suspected exposure to bacterial meningitis) 4. Explain the symptoms and physical findings that suggest the presence of an infectious disease	Patient Care: 1. Educate daycare organizations and providers about policies and methods that decrease the spread of infection in child care settings, and about unnecessary exclusion policies 2. Discuss with parents how the overuse of antibiotics has contributed to the development of antibiotic-resistant strains of common pathogens, and help them to understand when withholding antibiotic treatment is safe and effective	Direct Observation Global Evaluation
	Medical Knowledge: 1. Describe normal variability in body temperature, the factors that regulate body temperature, and use of body temperature to identify indiction, include factors that influence normal core body temperature. 2. Describe the currently recommended immunitation schedules for preventing infections in children. 3. Discuss appropriate uses of passive antibodies. 3. Discuss appropriate uses of passive antibodies. Explain the indications for chemo- and immunoprophylaxis in common infections (meningtis, hepatitis), including indications for use of gamma globulin and management of chicken pox exposure in the immunosuppressed child.	Medical Knowledge: J. Compare and contrast different methods used to obtain body temperature, including type of thermometre (glass, digital, infrared radiation, skin strip) and measurement sites (axillary, oral, rectal, tympanic, skin) J. Give examples of circumstances justifying special immunizations, such as indications for Inflared vaccine and pneumococal vaccine, and vaccination infrast bom to a hepatitis B carrier, immunosuppressed patients and family contacts (including those on steroids). INI positive children, and children adopted from other countries	Medical Knowledge: 1. Explain the difference between a descriptive diagnosis based on the anatomic syndrome involved (e.g., exudative phanyeight) and nat entologic diagnosis, explained to the diagnostic studies appropriate for each type 2. Discuss use of immunization to prevent disease after known exposure to disease (e.g., varicella and measles)	Global Evaluation In-Training Exam
	Systems Based Practice 1. Identify appropriate referral sources for children traveling internationally who may need additional vaccinations 2. Discuss principles of hospital-based infection control and employee health issues (as addressed by OSHA)	new vaccines and recommended administration 2. Explain the three forms of isolation precautions (contact, droplet, and airborne) and discuss which infections require which precaution 3. Describe and follow current guidelines for infectious disease exclusion policies in school and daycare and explain their rationale 4. Recognize illinesses potentially associated with outbreaks (e.g., menigococcemia, E. coil 0.1577Hd or cholera, neasies, pertussis) and report confirmed or suspected cases to the local public health authorities	among children 4. Describe effective infection control procedures appropriate for day care, school and household settings 5. Recognize illnesses consistent with bioterrorism (e.g., smallpox, anthrax) and report suspected cases to the local public health authorities	
GOAL 2: Immunodeficiency. Understand the role of the general pediatrician in the assessment and management of patients with immunodeficiency.	Patient Care: Demonstrate the initial approach to evaluation, treatment and referral for a child with suspected immunodeficiency immunodeficiency immunodeficiency from other causes of acute and chronic disease, and differentiate immunodeficiency from other causes of acute and chronic disease, as well as primary from secondary immunodeficiency disorders.	Patient Care: Discuss treatment options available for patients with primary immunodeficiency disorders and the potential harm of blood transfusions and vaccines in these patients and vaccines in these patients in the properties of the properties of the pathophysiologic categories (antibody, cellular-mediated, combined, complement, phagocytic) and distinguish eliologic types (e.g., genetic, post-infectious, post-chemotherapy)	Patient Care: Under supervision of an immunologist, develop a treatment plan for a child with immunodeficiency, including pharmacologic management, precautions, and immunizations Medical Knowledge: Discuss the indications, clinical significance and limitations of diagnostic tests and procedures to assess immune function, interpret the results of tests of. CBC minume function, interpret the results of tests of cBC minumen function, interpret the results of tests of cBC minumen function, interpret the results of tests of cBC minumen function interpret the results of tests of cBC minumen function interpret the results of tests of cBC minumen function interpret the results of tests of cBC minumen functions of the properties of the care of the	Direct Observation Global Evaluation Global Evaluation Global Evaluation In-Training Exam
GOAL 3: Diagnose and manage infectious disease conditions that do not require referral. 1. <u>Upper respiratory</u> common cold, pharynglist, otitis media and externa, sinustis and facial cellulitis 2. <u>Cral/pharyngeal</u> herpeting ingivostornalitis, herpangina, oral thrush (candida), parotitis, parapharyngeal and odontogenic infections and enteroviral enanthems 3. <u>Middle airway</u> croup syndrome, pertussis 4. <u>Lower airway</u> renumonia (chamydial, mycoplasma, bacterial, viral), bronchiolitis and latent tuberculosis infection 5. <u>Giltract</u> : exophagitis, entertides (bacterial, viral, parasitic, antibiotic associated colitis), hepatitis (A, E, G), Helicobacter pylori 6. <u>Renalt</u> : <u>urinary</u> tract infections, differentiating between pyelonephritis and cystitis 7. <u>genntals</u> : urethritis, vaginitis, epididymitis, corthitis, cervicitis and uncomplicated pelvic inflammatory disease 8. <u>ChS</u> : aseptic meningitis, post-varicella encephalitis, and acute cerebellar ataxia associated with varicella 9. <u>Skiin</u> : bacterial (impetigo, cellulisis, furuncles, carbuncles), dermatophytes, candidal demantistis, infestations (scables and lice), and viral (common warts, venereal warts, molluscum contagiosum and herpes simples virus) 10. <u>Fyers</u> : conjunctivitis, blepharitis, hordeolum (try) and preseptal (perorbital) cellulitis 11. <u>Parasters</u> : primorms, Toxocara canis, ascariasis, hookworm and giardia 12. <u>Systemic</u> : viral exanthems (measles, varicella, herpes simples virus, parovirus, rubella, human herpes virus (5), conoses (cat scratch diessee), and viruses (infectious mononuclosis syndrome with either Epstein-Barr virus, Cytomegglovins, or toxoplasma, respiratory syncytoly virus diesses, influenza, entercovirus, adenovirus) 13. <u>Perinatal</u> : focal infections of the scalp, mastitis, omphalitis, Group B strep and cardidel infections 14. <u>Infanty Adelocitics</u> potential occult bacterenia 15. <u>Adeloscents</u> : sexually transmitted diesses (e.g. in a patient with congenital heart diesses.)	Patient Care: 1. Obtain accurate, relevant history efficiently, demonstrating a developmentally appropriate and prioritized approach. Perform accurate, targeted but thorough PE which is developmentally appropriate 2. Synthesize all available clinical information into a treatment plan/When caring for pediatric patients with common infections, determine when and whether drug therapy should be instituted	Patient Care: 1. Obtain relevant historical subtleties that inform and prioritize differential diagnoses and diagnostic information. 2. Accurately track changes in PE over time. 3. Develop a prioritized differential diagnosis and diagnostic and therapeutic plan. 4. For common infections, demonstrate the ability to select an appropriate antibiotic, dose and route, based on antimicrobial mechanism of actions, spectrum of activity, adverse effects, drug interactions, drug penetration and relative costs. 5. Correctly prescribe antimicrobials based upon knowledge of local susceptibility/resistance patterns for common pathogens.	Patient Care: 1. Role model gathering subtle and reliable information from patient and family 2. Routinely identify subtle or unusual PE findings, demonstrating an understanding of how they influence clinical decision making and therapy based upon clinical course. 3. Modify differential diagnosis and therapy based upon clinical course. 4. Recognize disease patterns which deviate from common patterns and require complex decision makingindependently manage patient with a broad spectrum of common infections, such as oftits media and sinusitis, describe the circumstances when withholding antibiotics with the common spectrum of common infections, such as oftits media and sinusitis, describe the circumstances when withholding drug therapy, and strategies for achieving parental acceptance of withholding/drug therapy, and strategies for achieving parental acceptance of withholding/drug therapy, and strategies for achieving parental acceptance of withholding/drug therapy, and consistently use current information or common antibiotics, resistance patterns and new treatments for infectious diseases, and consistently use current information when prescribing antibiotics	Direct Observation Global Evaluation
GOAL 4: Recognize and initiate therapy in patients with infectious disease conditions that require consultation or referral. 1. Upper resintation; masticidits: 2. Drai/planameat] peritorisonliar, retropharyngeal and dental abscesses 3. Middle alwaye repipitutits, bacterial trachetits, pertussis (symptoms requiring further evaluation and/or admission) 4. Loses alwaye fungal pneumonia, severe or complicated pneumonia, parapneumonic effusion, empyema and lung abscess 5. Heart: endocardits, thromolophelbits, pertuadritis, myocarditis, melastinitis and acute rheumatic fever 7. Renal and pertua absess, cholangitis/cholecystisis, chronic hepatitis 8, C and D, hemolytic uremic syndrome, pancreatitis, appendicitis, perturbitis and abscess 7. Renal and peritar absess, sholangitis/cholecystisis, chronic hepatitis 8, C and D, hemolytic uremic syndrome, pancreatitis, appendicitis, pertonitis and abscess 8. Genital; complicated PD and tubo-ovarian abscess 9. Musclusdeletal osteomyellisis, perturbaritis, discitis and pyromyositis 10. QSS complicated bacterial meningitis, brain abscess, epidural, subdural and paraspinal abscess, encoplantis, transverse mellisis pertipheral neuropathies (pidhibheria, botulism, testanus), acute cerebellar ataxia not associated with varicella and Guillian Barra, acute disseminated encephalomyellisis (ADEM), and partially treated meningitis 11. Soft tissue: staphylococcal scalede skin, toxic epidermal necrolysis, fascitis 12. Eyes: orbital cellulitis, keratitis and endophthalmitis 13. Systemic: connoses/arthropod nome disease (brucella, leptospicosis, cat scratch, chilchia, ulurernia, lymp, Rocky Mountain sported fever) and Kawasaki disease 14. Intranaterian infections; CMY, robella, ganvorirus B19, syphilis, toxoplasmosis, alsominated engopus con or congenital human immunodeficiency yordure, butterulosis, systemic fungal infections, disseminated apponate or or congenital human immunodeficiency yordure, et ulurentia, lymp, fever and neutropenia, fever in immunocomyromised apatients	Patient Care: Explain the findings on clinical history and examination that suggest a known or potential gastrointestinal condition	Patient Care: Identify, explain, provide initial management and support, and seek urgent referral when these conditions are suspected	Patient Care: 1. Recognize immediate life-threatening complications associated with the diagnosis and treatment of infectious disorders. Refer for intensive care as indicated 2. Review the role and thought process of the specialist 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	Direct Observation Global Evaluation