



CME Sponsors: American Medical Seminars, Inc.
 Activity Title: Pediatric Infectious Diseases: A Primary Care and Hospitalist Approach
 Activity Dates: February 24-28, 2020
 Presenting Faculty: Stephen C. Eppes, M.D., F.A.A.P. and Michael J. Muszynski, M.D., F.A.A.P.

NARRATIVE DESCRIPTION

Following this course, the participant should be able to appraise the epidemiology and classify commonly presenting infectious diseases; differentiate among the various serious infections requiring immediate therapy; apply appropriate use of laboratory studies and determine when to refer to a specialist. This activity is expected to result in improved competence in making an appropriate diagnosis and providing effective treatment and referral or follow-up care with the overall goal of improving patient outcomes.

The emphasis will be on aligning physician behavior with current guidelines and evidence-based medicine, as indicated within each topic's specific objectives, with a focus on diagnosis, treatment and when to refer. Since Infectious Diseases is a specialty field of medicine that affects all areas of Primary Care to include: FM, IM, EM and Pediatrics, this course was designed to cover the spectrum of Infectious Diseases essential to all practitioners at the level of a practicing physician.

SPECIFIC OBJECTIVES

Day 1

Pediatric Immunization Update and Challenges of Vaccine Refusal.

Upon completion of this session, using information published by the CDC and AAP, the participant should be able to:^{GL, COMP}

1. Describe the relevant epidemiology of specific vaccine-preventable diseases.
2. Appropriately use vaccines according to ACIP and AAP recommendations.
3. Incorporate and apply the significant changes and updates to the current ACIP/AAP recommendations
4. Approach the problem of vaccine refusal and provide clinical strategies to effect parental education and cooperation.

Antibiotic Update.

Upon completion of this session, the participant should be able to:^{GL, COMP}

1. Review recent trends in antibiotic resistance.
2. Improve empiric antibiotic usage for common pediatric conditions as per the AAP recommendations.
3. Develop strategies to resist further bacterial resistance, as recommended by the CDC.

Pediatric Meningitis Revisited.

Upon completion of this session, the participant should be able to:^{GL, COMP}

1. Appraise common presenting features of bacterial and viral meningitis.

2. Determine the pathogens and develop a treatment plan concerning bacterial meningitis in children as per the Cochrane Database, systematic reviews, and AAP Guidelines.
3. Recognize the management priorities and potential complications of bacterial meningitis.
4. Relate the effects of immunizations practices on bacterial meningitis.

Serious Infections of the Head and Neck.

Upon completion of this session, the participant should be able to:^{GL, COMP}

1. Differentiate the clinical appearance, diagnosis and treatment of peritonsillar, retropharyngeal and parapharyngeal space infections as per the Otolaryngology Clinic Practice Guidelines.
2. Develop an approach to the child with red, swollen eye or cheek.

Day 2

The Age of MRSA.

Upon completion of this session and using the evidence-based guidelines from the CDC, the Pediatric Infectious Diseases Society, and EBM publications, the participant should be able to:^{EBM, GL, COMP}

1. Describe the emergence and development of drug resistance that led to MRSA.
2. Discuss the prevalence differences and clinical diagnosis and treatment of community and hospital associated MRSA.
3. Recognize the importance of accurate and timely diagnosis when confronted with the possibility of MRSA.
4. Stratify management according to clinical scenario and severity.
5. Apply practical and proven preventative measures to reduce the risk and incidence of MRSA.

Cases from the Files of a Pediatric ID Consultant.

Upon completion of this session, the participant should be able to:^{GL, COMP}

1. Learn from instructive pediatric infectious diseases cases and be able to construct approaches to a variety of interesting clinical challenges as presented to the ID consultant.
2. Apply clinical pearls to clinical practice, as well as the Otolaryngology Clinical Practice and other Guidelines.

Chief Complaint: Fever and Rash.

Upon completion of this session, the participant should be able to:^{COMP}

1. Recognize distinctive clinical illnesses with fever and rash.



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2. Develop an approach to clinical and laboratory diagnosis.

Kawasaki Disease.

Upon completion of this session, the participant should be able to: ^{GL, COMP}

1. Recognize clinical/laboratory manifestations of Kawasaki disease.
2. Evaluate and manage patients according to AAP/AHA guidelines.
3. Recognize the potential for coronary complications.

Day 3

Fever in Infants.

Upon completion of this session, using the evidence-based guidelines from EBM publications, the participant should be able to: ^{EBM, GL, COMP}

1. Identify the common bacterial pathogens associated with fever in infants < 8 weeks of age as compared to older infants.
2. Discuss the rationale for current diagnostic evaluation in these patients.
3. Apply the appropriate treatment options for this patient population.

Pediatric Lower Respiratory Infections.

Upon completion of this session, using the evidence-based guidelines from EBM publications, the participant should be able to: ^{EBM, GL, COMP}

1. Integrate the association of age, seasonal, clinical presentation, and chest x-ray findings with the etiology of pediatric pneumonia.
2. Develop a diagnostic approach to infants and children suspected to have pneumonia and discuss the treatment options and the implications of emerging bacterial resistance.
3. Apply the American Academy of Pediatrics Guidelines to the child with bronchiolitis.

Acute Otitis Media: Of Pathogens and Patients.

Upon completion of this session, the participant should be able to: ^{GL, COMP}

1. Recognize trends in resistance in pediatric pathogens.
2. Assess recommendations in AAP/AAFP guidelines.
3. Appropriately prescribe empiric antibiotic therapy.

Tick-Borne Infections: Hot Spots and Bullseyes.

Upon completion of this session, the participant should be able to: ^{GL, COMP}

1. Analyze the epidemiology of tick-borne infections.
2. Recognize the clinical/laboratory manifestations.
3. Appropriately prescribe therapy, incorporating recent IDSA guidelines.

Day 4

Virus X: Ubiquitous, Uncanny, Understandable.

Upon completion of this session, the participant should be able to: ^{GL, COMP}

1. Recognize the diverse clinical manifestations of EBV infection.
2. Order appropriate laboratory work-up based on the situation and treatment as per the AAP Guidelines.
3. Anticipate natural history and complications of infection.

Pathogens in the News: What Do They Mean For You.

Upon completion of this session and using the guidelines from the CDC, the participant should be able to: ^{GL, COMP}

1. Recognize the current epidemiology of highly contagious viral or other infectious diseases that are of most immediate public health concern.
2. Identify key clinical manifestations, as documented by the CDC guidelines, of these diseases.
3. Plan for necessary precautions for newly identified viruses as developed and recommended by the CDC protocols and guidelines.
4. Employ CDC recommended actions to contact Hospital, Local, State and Federal Health Officials as appropriate or mandated.

Urinary Tract Infections.

Upon completion of this session, using the evidence-based guidelines from the AAP, the participant should be able to: ^{EBM, GL, COMP}

1. Determine the clinical situations in which urinary tract infections should be considered.
2. Appraise diagnostic methods for urinary tract infection, characterize their reliability and application, and recognize their limitations.
3. Employ the most appropriate treatment options.
4. Assess the controversies concerning follow-up and prevention strategies.

Infectious Diseases Walking Through Your Office Door.

Upon completion of this session, using the evidence-based guidelines from the AAP and the Red Book, the participant should be able to: ^{EBM, GL, COMP}

1. Prepare for common and emerging infectious diseases.
2. Recognize important symptoms and signs.
3. Formulate a plan for management.



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DAY 5

Cat Scratch Disease: Old and New.

Upon completion of this session, the participant should be able to: ^{COMP}

1. Recognize the classic and more recently described clinical presentation of cat scratch disease and the general approach to diagnosis.
2. Explain the use and limitations of diagnostic laboratory testing options.
3. Utilize the appropriate treatment for the various clinical conditions associated with *Bartonella henselae* infection.

The Child with “Too Many” Infections.

Upon completion of this session, the participant should be able to: ^{COMP}

1. Perform an office-based evaluation of the child with frequent infections.
2. Recognize the presentation of the most common causes of recurrent infections in childhood, decide when to consider immune deficiency states, then determine the management issues for physician providing pediatric healthcare.

Lymphadenopathy in Children: Diagnostic Approach.

Upon completion of this session, the participant should be able to: ^{COMP}

1. Differentiate serious from reactive adenopathy.
2. Approach patient based on location and tempo of adenopathy.
3. Use appropriate laboratory aids in diagnosis.

Influenza: What’s New and What You Can Do.

Upon completion of this session, the participant should be able to: ^{GL, COMP}

1. Identify recent changes in influenza epidemiology.
2. Enumerate CDC recommendations and Guidelines for immunization.
3. Appropriately prescribe antiviral prophylaxis and treatment.