

# 2011/12



## MEDICAL & SCIENCE MEDIA

### CME COURSES

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[Cat #: AMS-1CD](#)

## Primary Care Medicine, Part 1

**Media:** Audio CD, or MP3

Original Release Date: July 1, 2010

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20 AMA PRA Category 1 Credits™

**OVERALL OBJECTIVES:** Upon completion of this CME activity, through the use of clinical vignettes emphasizing Guidelines and Evidence-Based Medicine, the physician or healthcare provider should be able to formulate a differential, make a diagnosis and develop a plan for the prevention and/or therapeutic management of the various disorders presented.

### SPECIFIC OBJECTIVES FOR EACH TOPIC

**TOPIC 1:** Common Endocrine Disorders - Upon completion of this session, the participant should be able to:

1. Recognize, evaluate and treat common endocrine abnormalities including: a. Hypoglycemia, b. Hypercalcemia, c. Low testosterone, d. Adrenal masses.

**TOPIC 2:** Asthma Update - We will review the current status of asthma diagnosis and treatment, emphasizing evidence-based NHLBI Guidelines. Upon completion of this session, the participant should be able to:

1. Characterize the pathophysiology of this inflammatory disease.
2. Identify the typical and atypical clinical presentations with cases serving as examples.
3. Characterize the available diagnostic modalities.
4. Develop a stepwise approach to treatment including bronchodilators, corticosteroids and methylxanthines. There will be a mention of new agents and alternative therapies.
5. Select techniques to ensure patient compliance. We will review proper inhaler technique and peak flow monitoring.
6. Identify the patient who is not responding and define indications for subspecialty referral.

**TOPIC 3:** Approach to the Patient with Chronic Cough - Cough is a very common outpatient problem, which can be difficult to manage. An evidence-based approach to diagnosis and treatment from the ACCP will be reviewed. Upon completion of this session, the participant should be able to:

1. Characterize the pathophysiology and clinical aspects of the most common etiologies of cough.
2. Outline pertinent features of a focused history and physical.
3. Develop an evidence-based and cost effective approach to diagnosis and treatment.

**TOPIC 4:** Stroke - An Evidence-Based Review of Risk Factors and Prevention - Upon completion of this session, the participant should be able to:

1. Recall risk factors and modification.
2. Apply principles of localization to classify stroke subtypes.
3. Recognize when to refer patients for carotid endarterectomy.
4. Determine use of aspirin, clopidogrel, dipyridamole, warfarin, heparin and carotid endarterectomy.

**TOPIC 5:** Clinical Aspects of Rheumatoid Arthritis - Upon completion of this session, the participant should be able to:

1. Outline the clinical features of rheumatoid arthritis.
2. Appreciate the systemic nature of the disease.

**TOPIC 6:** Treatment of Rheumatoid Arthritis - Upon completion of this session, the participant should be able to:

1. Outline a rational approach to the treatment of rheumatoid arthritis.
2. Summarize the use and toxicity of disease modifying agents.

**TOPIC 7:** Advanced Nutritional Assessment and Therapy - Upon completion of this session, the participant should be able to:

1. Utilize readily available clinical data to make accurate and comprehensive nutritional assessments.
2. Identify common vitamin and mineral deficiencies in seniors.
3. Identify a range of therapeutic nutritional approaches for acutely ill, chronically ill, and frail patients.
4. Apply nutritional therapies towards improved wellness.

**TOPIC 8:** Prevention of Type 2 Diabetes - Upon completion of this session, the participant should be able to:

1. Identify patients with pre-diabetes.
2. Describe recommendations of professional organizations regarding diabetes prevention.
3. Treat CVD risk factors in patients with pre-diabetes.

**TOPIC 9:** Venous Thromboembolism (VTE): Diagnosis and Treatment - Upon completion of this session, the participant should be able to:

1. Describe the sensitivity and specificity of the diagnostic tests available for the identification of DVT.
2. Explain the algorithm for diagnosing a PE in various clinical settings.
3. Describe the proper monitoring and adjustment of warfarin therapy for DVT/PE.

**TOPIC 10:** Vitamin B-12 Deficiency in the Elderly - Upon completion of this session, the participant should be able to:

1. Describe normal B-12 physiology and the pathophysiology of B-12 deficiency and its causes.
2. Describe the use of metabolic markers in B-12 deficiency.
3. Define work-up of B-12 deficiency in clinical practice.

**TOPIC 11 & 12:** COPD: Overview of Patient Management, Parts I and II - COPD is a common and important clinical entity. We will review the current status of its diagnosis and treatment. Evidence-based practice parameters will be reviewed. Upon completion of this session, the participant should be able to:

1. Derive an understanding of the definition and pathophysiology of COPD.
2. Characterize the natural history and clinical features of COPD.
3. Outline the adverse health effects of cigarette smoking and present recommendations for helping patients "kick the habit".
4. Identify the many aspects of outpatient management including long term oxygen therapy, pulmonary rehabilitation and pharmacologic treatment. We will present a treatment algorithm and discuss indications for specialist referral.
5. Review surgical treatment options for emphysema.

**TOPIC 13:** Amenorrhea - Upon completion of this session, the participant should be able to:

1. Assess the various causes of primary and secondary amenorrhea and their associated health risks, as well as apply the appropriate evaluation for both.
2. Provide therapy to the patient with regard to hormone replacement therapy or infertility.
3. Categorize the various anatomic and functional levels of distinction with respect to amenorrhea.

**TOPIC 14:** Use and Interpretation of Thyroid Tests - Upon completion of this session, using the American Thyroid Association guidelines as well as the Cochrane Abstract Database, the participant should be able to:

1. Compare the utility of the various serum tests for thyroid function.
2. Distinguish the combination of results that occur in clinical settings.
3. Describe the appropriate follow-up of abnormal thyroid tests.
4. Describe the impact of other medications on thyroid function testing.

**TOPIC 15:** Health Advice for International Travel - Upon completion of this session, the participant should be able to:

1. Analyze a travel itinerary for potential health risks.
2. Prescribe appropriate vaccines and medications. Specific areas to be covered include:
  - a. Pre-travel i. Immunizations,
  - ii. Malaria prophylaxis,
  - iii. Medications;
  - b. Travel safety on planes and boats;
  - c. During travel i. Safe food and water,
  - ii. Traveler's diarrhea,

- iii. HIV and travel,
- iv. Pregnancy and breast feeding.

**TOPIC 16:** Contemporary Issues in End of Life Care - Upon completion of this session, the participant should be able to:

1. Describe a practical approach to assessment of the whole patient in a hospice setting.
2. Describe effective approaches to common physical symptoms in the terminally ill.
3. Describe effective clinical care of patients and their families in the last days of life.
4. Describe dementia as a terminal illness.

[Cat #: AMS-2CD](#)

### Primary Care Medicine, Part 2

**Media:** Audio CD, or MP3  
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**OVERALL OBJECTIVES:** Upon completion of this CME activity, through the use of clinical vignettes emphasizing Guidelines and Evidence-Based Medicine, the physician or healthcare provider should be able to formulate a differential, make a diagnosis and develop a plan for the prevention and/or therapeutic management of the various disorders presented.

### SPECIFIC OBJECTIVES FOR EACH TOPIC

**TOPIC 1:** Sensible Prescribing Practices for the Elderly - Upon completion of this session, the participant should be able to:

1. Recognize the limits of studies on drug safety and efficacy as they apply to the elderly.
2. Appreciate the subtle but significant drug side effects in the elderly.
3. Describe undesirable prescribing practices and better approaches.

**TOPIC 2:** Newer Antibacterial Agents - Upon completion of this session, using FDA publications and approvals as well as IDSA and SHEA evidence-based guidelines, the participant should be able to:

1. Relate the antibacterial spectrum of activity.
2. Describe the pharmacology of the agents.
3. List the indications and dosing recommendations.
4. Identify the side effects, adverse reactions and drug interactions.

**TOPIC 3:** Adult Health Screening and Immunizations – Evidence-Based Approach - Upon completion of this session, using the USPSTF and Cochrane Abstract Database, the participant should be able to:

1. Describe the evidence-based recommendations for preventive screening tests for adults.
2. List the routine immunizations recommended for adults.
3. Describe the common side effects of adult immunizations.
4. List the contraindications for each adult immunization.
5. Discuss when screening tests can be discontinued in adults.

**TOPIC 4:** Treatment of Primary Headache Syndromes - Upon completion of this session, the participant should be able to:

1. Appreciate the role of abortive therapy for migraine, tension-type, and cluster headache.
2. Recognize the range of options for pharmacologic preventive therapy for migraine, tension-type, and cluster headache.
3. Develop non-pharmacologic treatment strategies for migraine.

**TOPIC 5:** Evaluation of Abnormal Liver Enzymes in the Primary Care Setting - Upon completion of this session, the participant should be able to:

1. Describe a diagnostic approach to assess patients with asymptomatic elevations in liver studies.
2. Describe the common causes of asymptomatic elevations in transaminase levels.
3. Review the natural history of hepatitis B infection, including serologic markers and indications for treatment.
4. Review the epidemiology, evaluation and potential treatment options for nonalcoholic steatohepatitis.

**TOPIC 6:** Thyroid Case Studies - Upon completion of this session, the participant should be able to:

1. Review the etiologies and pathogenesis of hyper and hypothyroidism.
2. Apply cost effective principles in the laboratory evaluation of thyroid conditions.
3. Design effective treatment protocols for various thyroid conditions.

**TOPIC 7:** Lung Cancer - Primary lung cancer remains a major cause of morbidity and mortality. A number of new approaches to diagnosis and therapy have been developed. Upon completion of this session, the participant should be able to:

1. Discuss the epidemiology of lung cancer.
2. Define the major types of lung carcinoma, particularly small cell and non-small cell cancer.
3. Characterize the basic clinical aspects of both small cell and non-small cell cancer including staging, natural history, and associated extrapulmonary syndromes.
4. Outline a diagnostic strategy for patients with suspected lung cancer.
5. Identify current treatment options for small cell and non-small cell lung cancer.

**TOPIC 8:** Interstitial Lung Disease - The focus of the discussion will be on sarcoidosis and idiopathic pulmonary fibrosis. These are two disorders a primary care provider should be familiar with. We will review the recent literature so that upon completion of this session, the participant should be able to:

1. Characterize the spectrum of interstitial lung disease.
  2. Develop a basic understanding of the diagnostic work-up, which can include high resolution CT scanning and tissue biopsy.
  3. Identify the clinical and radiographic manifestations of sarcoidosis. An overview of management will be provided.
  4. Outline the typical presentation of idiopathic pulmonary fibrosis as well as management issues.
- We will present a variety of cases with x-rays, CT scans and pathology to illustrate important features. The discussion will focus on basic concepts and will include guidelines on specialist's referral.

**TOPIC 9:** Integrative Medicine: Common Therapies - Upon completion of this session, using systematic reviews of clinical evidence, the participant should be able to:

1. Identify the ten most commonly used natural products.
2. Discuss the science of the use of these natural products.
3. Review the indications and contraindications for the use of these natural products and potential drug interactions.

**TOPIC 10:** Chronic Anovulation - Upon completion of this session, the participant should be able to:

1. Discriminate between the hypothalamic, pituitary and ovarian causes of anovulation.
2. Investigate associated health risks.
3. Formulate an appropriate treatment regimen.

**TOPIC 11:** Evaluation and Initial Management: Benign Breast Disease - Upon completion of this session, using the American Cancer Society guidelines as well as the Cochrane Abstract Database, the participant should be able to:

1. Describe benign breast disease.
2. Evaluate for various conditions such as breast pain, breast lumps, and nipple discharge.
3. Describe findings associated with breast cancer.

**TOPIC 12:** Rheumatology Pearls - Upon completion of this session, the participant should be able to:

1. Outline several clinical points related to rheumatic diseases which emphasize efficient diagnosis and treatment.

**TOPIC 13:** Spondyloarthropathies - Upon completion of this session, the participant should be able to:

1. Differentiate the clinical features of the different spondyloarthropathies to improve diagnostic accuracy.
2. Describe treatment modalities.

**TOPIC 14:** Abnormal Uterine Bleeding - Upon completion of this session, the participant should be able to:

1. Define abnormal uterine bleeding.
2. Differentiate between functional and organic causes.
3. Manage most non-surgical etiologies of this problem.

**TOPIC 15:** Anemia: A Finding, Not Yet a Diagnosis - Upon completion of this session, using the Cochrane Abstract Database, the participant should be able to:

1. List the most common anemias and their usual etiology.
2. Compare the diagnostic evaluation needed to determine the etiology of the anemia.
3. Identify the therapeutic options for each of the identified anemias.
4. Describe the follow-up plans for assessing the efficacy of treatment for each anemia.

**TOPIC 16:** The Most Common Dermatology Referrals - Upon completion of this session, the participant should be able to:

1. Identify the most common dermatology referrals
2. Develop referral strategies for the common dermatology referrals.
3. Initiate treatment regimens for the common dermatology referrals.

[Cat #: AMS-3CD](#)

### Conquering Heart Disease

**Media:** Audio CD, or MP3

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10 AMA PRA Category 1 Credits™

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#### SPECIFIC OBJECTIVES FOR EACH TOPIC

**TOPIC 1:** Case – Save A Heart Today™ - Upon completion of this session, the participant should be able to:

1. Recognize true diaphoresis and determine that immediate action to rule out life-threatening etiologies is necessary.
2. Employ the potentially life-saving measure of advising patients to chew a 325mg aspirin at the onset of ACS.
3. Assess and detect commonly missed atypical ACS symptoms, especially when evaluating an elderly patient.

**TOPIC 2:** Dyslipidemia - Upon completion of this session, the participant should be able to:

1. Apply recent changes to ATP III lipid management guidelines to their clinical practice.
2. Recognize secondary causes of dyslipidemia.
3. Describe treatment strategies for various dyslipidemic states.

**TOPIC 3:** Evaluation and Treatment of Hypertensive Patients - Upon completion of this session, the participant should be able to:

1. Describe non-pharmacologic methods to manage hypertension.
2. Compare and contrast the advantages and disadvantages of antihypertensive medications and their compelling indications.
3. Identify the therapeutic goal for different patient populations and the combination therapies to achieve that goal.

**TOPIC 4:** Coronary Artery Disease - Upon completion of this session, the participant should be able to:

1. Describe the common presenting symptom complexes of patients.
2. Describe the diagnostic evaluation of a patient with chest pain.
3. Enumerate current medication and surgical treatment options.

**TOPIC 5:** Syncope: Which Test Is Better in the Fainting Patient? - Upon completion of this session, the participant should be able to:

1. Discuss the causes and natural history of syncope.
2. Apply bedside tilt and tilt table testing.
3. Define treatment strategies for orthostatic hypotension.

**TOPIC 6:** Obesity - Upon completion of this session, the participant should be able to:

1. State the epidemiology of obesity in America and the health risks associated with obesity.
2. Assess patients that are obese and that are in need of treatment.
3. Recommend and utilize various treatment options available, including diet, exercise, medications, and bariatric surgery.

**TOPIC 7:** Congestive Heart Failure - Upon completion of this session, the participant should be able to:

1. Recognize the presenting signs and symptoms of congestive heart failure.
2. Formulate a rapid treatment plan and reassess response to therapy.
3. Initiate non-invasive ventilation in appropriate candidates.
4. Discuss the renal dysfunction in CHF.

**TOPIC 8:** Smoking Cessation - Upon completion of this session, the participant should be able to:

1. Recognize the role of smoking in disease etiology.
2. Identify smoking cessation techniques which can be utilized in their practice setting.

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[Cat #: AMS-4CD](#)

### **Urgent Care, A Practical Approach to Common Problems**

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#### **SPECIFIC OBJECTIVES FOR EACH TOPIC**

**TOPIC 1:** Acute Otitis Media: Of Pathogens and Patients - Upon completion of this session, the participant should be able to:

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

**TOPIC 2:** Migraine Headache - Update on Diagnosis & Treatment - Upon completion of this session, using the International Headache Society and US Headache Consortium guidelines as well as the National Guideline Clearing House and the evidence-based reports from Clinical Evidence, the participant should be able to:

1. Discuss the process for evaluating a patient with possible migraine headaches.
2. Discuss the advantages of supportive therapy and lifestyle changes to treat migraine headaches.
3. Compare and contrast the pharmacologic options for treating an acute migraine headache.
4. Identify when prophylactic therapy is appropriate for patients with recurrent migraine headaches.

**TOPIC 3:** Concussions - Who Plays and Who Stays - Upon completion of this session, using clinical evidence, the participant should be able to:

1. Review the newest Consensus Statement.
2. Discuss the definition and causes of a concussion.
3. Discuss the guidelines for an adequate evaluation and decisions regarding the ability to return to play.

**TOPIC 4:** Community Acquired Pneumonia and Respiratory Tract Infections - Upon completion of this session, the participant should be able to:

1. Describe the epidemiology of community acquired pneumonia.
2. Recognize the clinical manifestations and likely pathogens in specific patient populations.
3. Discuss the differential diagnosis and specific management when you make the diagnosis of community acquired pneumonia.
4. Appraise the rising incidence of resistance and utilize alternative therapies when indicated.
5. Review the role of antibiotics in bronchitis.

**TOPIC 5:** Fever in Infants - Upon completion of this session, and using the evidence-based guidelines from EBM publications, the participant should be able to:

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.

**TOPIC 6:** Contact Dermatitis - Upon completion of this session, the participant should be able to:

1. Describe the complexity of testing for identification of allergies in contact dermatitis.
2. Identify and treat poison ivy, poison oak, and poison sumac.
3. Recognize common contactants seen in the office setting.

**TOPIC 7:** Herpes Simplex and Zoster; Lichen Planus - Upon completion of this session, the participant should be able to:

1. Differentiate herpes simplex and herpes zoster based on morphology and distribution of lesions and laboratory testing.
2. Recognize the varied manifestations and complications of herpes zoster.
3. Outline an appropriate treatment plan for herpes simplex and herpes zoster.
4. Appreciate the cutaneous spectrum of lichen planus.

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[Cat #: AMS-6CD](#)

### **Infectious Diseases in the Adult Patient**

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### **SPECIFIC OBJECTIVES FOR EACH TOPIC**

**TOPIC 1:** New or Emerging Infectious Diseases: Influenza - Upon completion of this session, according to SHEA and HICPAC position papers, and the CDC and WHO recommendations, the participant should be able to:

1. Explain the etiology and pathogenesis of these infections.
2. Describe the clinical approach and methods of diagnosing these infections.
3. Summarize the management of these infections including prevention.

**TOPIC 2:** Community Acquired Pneumonia - Upon completion of this session, the participant should be able to use the evidence based guidelines of the IDSA and ATS to:

1. Identify the microbial causes of community acquired pneumonia.
2. Describe strategies utilized to triage patients to appropriate level of care.
3. Describe utility of current diagnostic tests.
4. Describe recommended treatment regimens.

**TOPIC 3:** Cellulitis, Necrotizing Fasciitis and Diabetic Foot Ulcers - Upon completion of this session, using the evidence-based guidelines from the IDSA, the participant should be able to:

1. Explain typical and atypical manifestations.
2. Discuss the pathogenesis.
3. List the principles of medical and surgical treatment.
4. Describe the prognosis.

**TOPIC 4:** Acute Pharyngitis - Upon completion of this session, the participant should be able to:

1. Summarize the various etiologies to consider and develop a differential diagnosis when approaching an adult with acute pharyngitis.
2. Identify the features and predictors that guide your diagnostic testing of acute pharyngitis.
3. Describe the best courses of treatment and overall management.

**TOPIC 5:** Herpesvirus Infections - Upon completion of this session, using the recommendations and evidence-based guidelines of ACIP, and AAP, the participant should be able to:

1. List the clinically pertinent aspects of herpesvirus infections.
2. Describe the syndromes, clinical complications and attributes of recurrent disease.
3. Relate the proper management and use of antivirals. Viruses to be covered include:
  - a. Herpes simplex virus;
  - b. Epstein-Barr virus;
  - c. Cytomegalovirus;
  - d. Varicella-zoster virus;
  - e. HHV6.

**TOPIC 6:** Approach to the Patient with Fever and Rash - Upon completion of this session, the participant should be able to:

1. Describe the etiology of commonly seen infectious and non-infectious rashes that are associated with fever.
2. Develop a differential diagnosis based upon the type of rash on presentation.
3. Discuss the treatment of some common rashes such as meningococemia, rickettsioses, syphilis, Varicella-zoster and the agents of toxic shock syndrome.

**TOPIC 7:** Gastroenteritis - Upon completion of this session, the participant should be able to:

1. Identify the major pathogenic mechanisms that result in diarrhea.
2. Identify the major pathogens responsible for acute gastroenteritis.
3. Utilize an efficient approach in the evaluation of a patient with acute gastroenteritis as the normal host and in persons with HIV or recent travel.

**TOPIC 8:** Helicobacter pylori Infection - Upon completion of this session, using position statements from AGA, and evidence-based guidelines from ACOG, the participant should be able to:

1. Describe the clinical manifestations of H. pylori infection.
2. Relate the methods of diagnosing H. pylori infection.
3. Summarize the treatment of H. pylori infection.

[Cat #: AMS-7CD](#)

### **Pediatric Emergency Medicine**

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### **SPECIFIC OBJECTIVES FOR EACH TOPIC**

**TOPIC 1:** No Time To Waste - Surgical Emergencies in Children - Upon completion of this session, the participant should be able to:

1. Recognize signs and symptoms of various acute surgical emergencies in children.
2. Describe the appropriate diagnostic studies to obtain in the evaluation of children with surgical emergencies.
3. Appreciate the consequences of delayed diagnosis in children with surgical emergencies.

**TOPIC 2:** Acute Management of Asthma - Upon completion of this session, using NHLBI Guidelines and Cochrane EBM sources, the participant should be able to:

1. Describe the pathophysiology of asthma and rationale for therapeutic interventions.
2. Summarize recent data on steroids, theophylline, ipratropium bromide, and magnesium sulfate in the treatment of acute asthma in childhood.

**TOPIC 3:** The Febrile Young Toddler - Upon completion of this session, the participant should be able to:

1. Stratify the young child with high fevers into risk categories of occult infections.
2. Appraise the current literature regarding occult bacteremia.
3. Apply data from vaccine studies to clinical practice.

**TOPIC 4:** Pediatric EKG Workshop - Upon completion of this session, the participant should be able to:

1. Identify important pediatric EKG abnormalities.
2. Describe the treatment plan, based on American Heart Association guidelines, for pediatric arrhythmias.
3. Differentiate concerning from non-concerning abnormalities seen on pediatric EKGs.

**TOPIC 5:** Pediatric Poisonings - Upon completion of this session, using AAP guidelines and evidence-based medicine, the participant should be able to:

1. Review data on pediatric poisonings including recent trends.
2. Describe and explain various options for gastrointestinal decontamination.

**TOPIC 6:** The Red Hot Eye - Upon completion of this session, the participant should be able to:

1. Describe the eight-point eye examination and explain what clinical conditions may be identified by each step in the examination.
2. Recognize and treat eye pathology resulting from infection or trauma and give examples of when to refer a child to an ophthalmologist.
3. Explain the difference between sinusitis with inflammatory edema, peri-orbital cellulitis and orbital cellulitis.

**TOPIC 7:** Interesting Cases in Pediatric Emergency Medicine - Upon completion of this session, the participant should be able to:

1. Organize a straightforward approach to the acutely ill child with a confusing presentation.
2. Generate a differential diagnosis for the acutely ill or injured child.

**TOPIC 8:** Medical Errors in Pediatrics - Upon completion of this session, the participant should be able to:

1. Explain root cause analysis and perform it on cases of medical errors that involved children.
2. Describe specific risks for medication errors and strategies to reduce their occurrence.
3. Review issues in sleep physiology that relate to medical error risks.

**TOPIC 9:** Pediatric Meningitis Revisited - Upon completion of this session, the participant should be able to:

1. Discuss common presenting features of bacterial and viral meningitis.
2. Identify the pathogens and treatment concerning bacterial meningitis in children.

3. Recognize the management priorities and potential complications of bacterial meningitis.
4. Explain the effects of immunizations practices on bacterial meningitis.

**TOPIC 10:** Pearls You Should Know - Upon completion of this session, the participant should be able to:

1. Interpret diagnostic test results.
2. Grasp essential facts about common conditions encountered in a Pediatric ED.
3. Expand personal knowledge about appropriate diagnostic evaluations.

**TOPIC 11:** Influenza: What's New and What You Can Do - Upon completion of this session, the participant should be able to:

1. Identify recent changes in influenza epidemiology.
2. Enumerate recommendations for immunization.
3. Describe options for antiviral prophylaxis and treatment.

**TOPIC 12:** Pediatric Emergency Case Studies - Upon completion of this session, the participant should be able to:

1. Apply basic principles of emergency medicine in the stabilization and evaluation of interesting pediatric emergency cases.
2. Describe the etiology and pathogenesis of pediatric emergency cases.

**TOPIC 13:** Pediatric Status Epilepticus and Febrile Seizures - Upon completion of this session, the participant should be able to:

1. Explain the management of Status Epilepticus in the pediatric patient.
2. Define appropriate laboratory and imaging studies in the acute care setting.
3. List the typical features of a simple and complex febrile seizure.

**TOPIC 14:** Accidents Will Happen? Evaluation of Suspected Physical Abuse in Children - Upon completion of this session, using AAP guidelines as well as EBM publications, the participant should be able to:

1. Recognize common presentations of non-accidental trauma.
2. Plan the evaluation of the child with suspected non-accidental trauma.
3. Know the principles of correct documentation for forensic purposes.

**TOPIC 15:** Serious Infections of the Head and Neck - Upon completion of this session, the participant should be able to:

1. Recognize differences and similarities in the clinical appearance, diagnosis and treatment of peritonsillar, retropharyngeal and parapharyngeal space infections.
2. Outline the approach to the child with red, swollen eye or cheek.

**TOPIC 16:** Pediatric Head Trauma - Upon completion of this session, the participant should be able to:

1. Describe the use of decision rules in the management of head injured children, including those from the NEXUS study.
2. Recognize and manage children who have sustained concussions and discuss guidelines from the International Conference on Concussions.
3. Identify those children who require imaging studies as part of their medical evaluation.

[Cat #: AMS-8CD](#)

### Endocrinology Consult

**Media:** Audio CD, or MP3

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10 AMA PRA Category 1 Credits™

### SPECIFIC OBJECTIVES FOR EACH TOPIC

**TOPIC 1:** Management of Type 1 Diabetes - Upon completion of this session, the participant should be able to:

1. Review current diagnostic criteria for the diagnosis of diabetes.
2. Discuss new insulin regimens for intensive glucose control.
3. Screen for and manage cardiovascular complications of diabetes based on evidence-based studies.

**TOPIC 2:** Treatment Strategies in Type 2 Diabetes - Upon completion of this session, the participant should be able to:

1. Describe new pharmacologic agents available for glucose control.
2. Apply concepts of pathophysiology to the selection of pharmacotherapy for Type 2 Diabetes.
3. Discuss a cost-effective approach to the management of diabetic complications.

**TOPIC 3:** Thyroid Case Studies - Upon completion of this session, the participant should be able to:

1. Review the etiologies and pathogenesis of hyper and hypothyroidism.
2. Apply cost-effective principles in the laboratory evaluation of thyroid conditions.
3. Design effective treatment protocols for various thyroid conditions.

**TOPIC 4:** Male Hypogonadism: Clinical Features - Upon completion of this session, the participant should be able to:

1. Discuss the concept of "male menopause".
2. Design a cost-effective strategy to investigate causes of male hypogonadism.
3. Treat various endocrine conditions arising in men.

**TOPIC 5:** The Dyslipidemias: Evidence-Based Decision Making - Upon completion of this session, the participant should be able to:

1. Discuss landmark outcomes studies in reducing cardiovascular risk.
2. Review the available lipid lowering therapies.
3. Apply evidence-based protocols to at-risk patients.

**TOPIC 6:** Disorders of Calcium Metabolism - Upon completion of this session, the participant should be able to:

1. Discuss the differential diagnosis of hypercalcemia.
2. Apply a cost-effective workup to elevated calcium states.
3. Evaluate hypocalcemic disorders using common laboratory studies.

**TOPIC 7:** Pituitary Potpourri - Upon completion of this session, the participant should be able to:

1. Provide a differential diagnosis based on clinical features.
2. Formulate a laboratory workup using a "best test" approach.
3. Discuss treatment options.

[Cat #: AMS-9CD](#)

### **Pediatric Infectious Diseases**

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10 AMA PRA Category 1 Credits™

### **SPECIFIC OBJECTIVES FOR EACH TOPIC**

**TOPIC 1:** The Age of MRSA - Upon completion of this session, the participant should be able to:

1. Describe the emergence and development of drug resistance and MRSA in particular.
2. Appreciate the prevalence and differences in diagnosing and treating both community and hospital acquired MRSA.
3. Recognize the importance of appropriate and timely diagnosis when confronted with MRSA.
4. Recognize the alternative therapies recommended when challenged by MRSA.
5. Identify some practical preventative measures in helping to reduce the incidence of MRSA.

**TOPIC 2:** Chief Complaint: Fever and Rash - Upon completion of this session, the participant should be able to:

1. Recognize distinctive clinical illnesses with fever and rash.
2. Develop an approach to clinical and laboratory diagnosis.

**TOPIC 3:** Pediatric Lower Respiratory Infections - Upon completion of this session, the participant should be able to:

1. Recognize the association of age, seasonal, clinical presentation, and chest x-ray findings with etiology of pediatric pneumonia.
2. Describe the diagnostic approach to infants and children suspected to have pneumonia and discuss the treatment options and the implications of emerging bacterial resistance.

**TOPIC 4:** Kawasaki Disease - Upon completion of this session, the participant should be able to:

1. Recognize clinical/laboratory manifestations of Kawasaki disease.
2. Prescribe appropriate therapy for the condition.
3. Recognize the potential for coronary complications.

**TOPIC 5:** Cat Scratch Disease: Old and New - Upon completion of this session, the participant should be able to:

1. Recognize the classic and more recently described clinical presentations of cat scratch disease and the general approach to diagnosis.
2. Become familiar with the treatment options for the various clinical conditions associated with *Bartonella henselae* infection.

**TOPIC 6:** Pediatric Immunization Update - Upon completion of this session, the participant should be able to:

1. Review recent changes in childhood immunizations and newly available vaccines.
2. Anticipate future innovations in immunization.

**TOPIC 7:** Urinary Tract Infections - Upon completion of this session, the participant should be able to:

1. Describe the clinical situations in which urinary tract infections should be considered.
2. Identify diagnostic methods for urinary tract infection, characterize their reliability and application, and list their limitations.
3. Select the most appropriate treatment options and follow up strategies.

[Cat #: AMS-10CD](#)

### Internal Medicine, Insights and Evidence Based Answers to Common Problems

**Media:** Audio CD, or MP3

Original Release Date: July 1, 2009

Expiration Date: July 1, 2012

10 AMA PRA Category 1 Credits™

#### SPECIFIC OBJECTIVES FOR EACH TOPIC

**TOPIC 1:** Approach to the Patient with Hypertension - Upon completion of this session, the participant should be able to:

1. Appreciate that all antihypertensive medications do not equally reduce cardiovascular risk.
2. Apply the JNC-7 guidelines to clinical care of hypertensive patients.
3. Recognize compelling indications for selection of initial antihypertensive therapy.
4. Identify which drugs most effectively reduce the risk of cardiovascular disease.

**TOPIC 2:** Important Drug Interactions and Side Effects - Upon completion of this session, the participant should be able to:

1. Discuss the most common mechanisms for drug interactions.
2. Identify some of the most frequent culprit drugs.
3. Counsel patients regarding some of the most frequent side-effects seen with commonly used medications.

**TOPIC 3:** Thyroid Nodules - Upon completion of this session, the participant should be able to:

1. Describe the incidence of thyroid nodules in the primary care setting.
2. Discuss features from history and physical examination that increase the likelihood of malignancy.
3. Outline the best diagnostic approach to a thyroid nodule.

4. Review common cytologic findings from fine needle aspirate and their clinical significance.

**TOPIC 4:** Dementia in the Elderly - Upon completion of this session, the participant should be able to:

1. Describe the prevalence and significance of dementia in the elderly population.
2. List common causes of dementia in the elderly and the value of objectifying cognitive performance.
3. Identify atypical patterns and differential diagnosis of dementia syndromes.
4. Describe the risks and benefits of commonly used drugs to treat dementia.
5. Describe a reasonable medical evaluation of a newly identified patient.

**TOPIC 5:** Multiple Sclerosis - Upon completion of this session, the participant should be able to:

1. Recognize the typical clinical features of multiple sclerosis.
2. Organize an appropriate series of diagnostic investigations.
3. Describe the approach to abortive and prophylactic therapy of multiple sclerosis.
4. Classify common treatable medical complications of multiple sclerosis.

**TOPIC 6:** Outpatient Anticoagulation Issues - Upon completion of this session, the participant should be able to:

1. Manage outpatient warfarin using current guidelines.
2. Describe when and how to reverse the effects of warfarin.
3. Evaluate patients for hypercoagulable states and appreciate the implications.
4. Advise patients on the appropriate duration and intensity of anticoagulation in a variety of clinical scenarios.

**TOPIC 7:** Treatment of Hyperglycemia in Type 2 Diabetes - Upon completion of this session, the participant should be able to:

1. Understand the pathogenesis and natural history of hyperglycemia in T2DM.
2. Describe current pharmacological treatment options.
3. Develop individualized regimens to optimize glycemic control.

[Cat #: AMS-11CD](#)

### Emergency Medicine in Adults

**Media:** Audio CD, or MP3  
Original Release Date: July 1, 2010  
Expiration Date: July 1, 2013  
20 AMA PRA Category 1 Credits™

**OVERALL OBJECTIVES:** Upon completion of this CME activity, through the use of clinical vignettes emphasizing Guidelines and Evidence-Based Medicine, the physician or healthcare provider should be able to formulate a differential, make a diagnosis and develop a plan for the prevention and/or therapeutic management of the various disorders presented.

### SPECIFIC OBJECTIVES FOR EACH TOPIC

**TOPIC 1:** Pericarditis and Myocarditis: How Can 2 Diseases Sound So Similar and Act So Differently? - Upon completion of this session, the participant should be able to:

1. Discuss the pathophysiology and clinical presentation of these two entities.
2. Review the potential pitfalls in the diagnosis and management of these diseases.
3. Discuss the commonalities and differences of these closely related diseases.
4. Describe the evidence-based work-up and treatment options for pericarditis and myocarditis.

**TOPIC 2:** Abdominal Pain: The Black Box of the Belly - Upon completion of this session, the participant should be able to:

1. Review some challenging cases of abdominal pain.
2. Explore diagnoses of abdominal pain in the absence of abdominal pathology.
3. Discuss the utility of various tests, including labs, ultrasound and CT scan in the diagnosis of abdominal pain.

**TOPIC 3:** Abdominal Pain Imaging: A Site Specific Approach to Diagnosis - Upon completion of this session, the participant should be able to:

1. Identify which diagnoses are most likely given the site of the patient's presenting abdominal pain.
2. Identify which radiographic studies should be performed based on location of presenting symptoms.
3. Describe and recognize radiographic signs of common causes of abdominal pain.

**TOPIC 4:** Migraine and Chronic Daily Headache - Upon completion of this session, the participant should be able to:

1. Review five sub-types of chronic daily headaches.
2. Describe the pathophysiology of headache and migraine.
3. Review medication and non-pharmacologic strategies.
4. Recognize the prevalence of medication overuse headaches in daily practice.

**TOPIC 5:** Hypertension: Just the Facts! - Upon completion of this session, the participant should be able to:

1. Review the emergency department "essentials" for the assessment of the patient with hypertension.
2. Provide a rational framework for the ED treatment of acute hypertension.
3. Review highlights of the current guidelines: "Prevention, detection, evaluation, and treatment of high blood pressure."

**TOPIC 6:** Meningitis and Meningoencephalitis - Upon completion of this session, the participant should be able to use the evidence-based guidelines of the IDSA, and the CDC to:

1. Describe the epidemiology of meningitis and the different types of meningitis.
2. Identify clinical signs and symptoms of different types of meningitis.
3. Describe the indications for lumbar puncture (LP) and interpretations of LP results.
4. Summarize treatment options and the need for hospitalization and public health notification.

**TOPIC 7:** Neurologic Emergencies - Upon completion of this session, the participant should be able to:

1. Recognize status epilepticus, coma, and subarachnoid hemorrhage.
2. Identify pupillomotor function in CNIII Palsies and prognosis.
3. Discuss appropriate testing.
4. Apply principles of treatment using evidence-based medicine.

**TOPIC 8:** Evaluation of the GU Tract with CT - Upon completion of this session, the participant should be able to:

1. Identify which studies are most appropriate to order when evaluating the patient with flank pain.
2. Describe other diagnoses besides renal calculi that may present with flank pain.
3. Describe the current role of CT urography.

**TOPIC 9:** Treatment of Sexually Transmitted Infections - Upon completion of this session, using the CDC guidelines and the Cochrane Abstract Database, the participant should be able to:

1. Describe the therapeutic approach to evaluating a patient for a sexually transmitted infections.
2. Describe the treatment of STIs.
3. Describe the appropriate follow-up care for patients treated for an STI.

**TOPIC 10:** PE and DVT in the Emergency Department - Upon completion of this session, the participant should be able to:

1. Identify the scope of the problem of thromboembolic disease in the ED.
2. Discuss the latest diagnostic algorithms and adjuncts available to aid the clinician in the diagnosis of thromboembolic disease.
3. Review the evidence-based treatment of thromboembolic disease based on the latest applicable literature.
4. Recognize the limitations of current diagnostic modalities for these diseases.

**TOPIC 11:** Domestic Violence - Upon completion of the session, the participant should be able to:

1. Recognize the potential domestic violence victim in your office.
2. Consider domestic violence from the victim's point of view and reasons she/he may not wish to act on it.
3. Develop an awareness for the frequency of domestic violence and specific risk factors to consider.
4. Discuss effective methods for addressing domestic violence as a problem.

**TOPIC 12:** Thyroid Emergencies - Upon completion of this session, the participant should be able to:

1. Describe the presentation of life-threatening hyperthyroid states to the Emergency Department.
2. Prepare a comprehensive treatment plan for patients with thyroid storm and thyrotoxicosis.
3. Describe the presentation of myxedema coma.
4. Justify the use of intravenous thyroid hormones in the potentially hypothyroid patient.

**TOPIC 13:** Early Goal-Directed Therapy For Sepsis: Why all the Fuss? - Upon completion of this session, the participant should be able to:

1. Describe the pathophysiology of sepsis and the sepsis syndrome.
2. Appreciate the scope of the problem regarding effective management of sepsis in the ED.
3. Review the principles of early goal-directed therapy in the treatment of sepsis.
4. Appreciate the potential gains that can be realized, as well as the pitfalls to avoid, in the management of sepsis utilizing early goal directed therapy.

**TOPIC 14:** Gynecologic Emergencies - Upon completion of this session, the participant should be able to:

1. Recognize the more common and significant gynecologic emergencies.
2. Formulate a rapid and concise treatment plan for various emergencies, such as:
  - a. Ectopic pregnancies,
  - b. Uterine hemorrhage,
  - c. Gynecologic infections.
3. Provide follow-up care to the post-gynecologic emergency patient.

**TOPIC 15:** CA-MRSA: Evidence-Based Management - Upon completion of this session, the participant should be able to:

1. Identify risk factors for CA-MRSA infection.
2. Recognize the management of skin and soft tissue infections in the era of drug resistance.
3. Discuss both pharmacologic and non-pharmacologic management strategies for this disease entity.
4. Demonstrate familiarity with the latest treatment guidelines for CA-MRSA.

**TOPIC 16:** Ophthalmologic Emergencies - Upon completion of this session, the participant should be able to:

1. Develop an algorithm for the differential diagnosis of the red eye.
2. Create a diagnostic strategy for sudden monocular and binocular blindness.
3. Review the treatment plans for emergent ophthalmic conditions, including glaucoma, and retinal vein and artery occlusions.
4. Develop a treatment strategy for ophthalmic trauma.

[Cat #: AMS-12CD](#)

### Psychiatry for the Non Psychiatrist

**Media:** Audio CD, or MP3

Original Release Date: July 1, 2010

Expiration Date: July 1, 2013

5 AMA PRA Category 1 Credits™

**OVERALL OBJECTIVES:** Upon completion of this CME activity, through the use of clinical vignettes emphasizing Guidelines and Evidence-Based Medicine, the physician or healthcare provider should be able to formulate a differential, make a diagnosis and develop a plan for the prevention and/or therapeutic management of the various disorders presented.

### SPECIFIC OBJECTIVES FOR EACH TOPIC

**TOPIC 1:** Bipolar Disorder in Primary Care - Utilizing guidelines from the APA and DSMIV, upon completion of this session, the participant should be able to:

1. List the criteria for bipolar disorder.
2. Describe common ways bipolar disorder presents in primary care.
3. Avoid common medication mistakes in patients with bipolar disorder.
4. Determine when to refer to a psychiatrist.

**TOPIC 2:** Delirium in the Elderly - Current Concepts - Upon completion of this session, the participant should be able to:

1. List diagnostic features and common causes of delirium.
2. Appreciate causes of persistent delirium.
3. Describe non-pharmacologic and pharmacologic treatment approaches to the delirious patient.
4. Identify options to address agitation.

**TOPIC 3:** Adult ADHD (A "Real Disease") - Utilizing guidelines from WHO, upon completion of this session, the participants should be able to:

1. List criteria for diagnosing adult ADHD.
2. Discuss controversies surrounding adult ADHD.
3. Describe common ways ADHD presents in primary care.
4. List treatment approaches for adult ADHD.

**TOPIC 4:** Post-Traumatic Stress Disorder - Utilizing guidelines from the APA, upon completion of this session, the participant should be able to:

1. Describe how to identify PTSD in Iraq War Veterans.
2. List the APA diagnostic criteria for PTSD.
3. Discuss the treatment of PTSD.
4. Discuss how to identify PTSD in the primary care setting.

[Cat #: AMS-14CD](#)

### Hospital Medicine, An Evidence Based Approach to Inpatient Care

**Media:** Audio CD, or MP3

Original Release Date: July 1, 2009

Expiration Date: July 1, 2012

5 AMA PRA Category 1 Credits™

#### SPECIFIC OBJECTIVES FOR EACH TOPIC

**TOPIC 1:** Acute ST- Elevation Myocardial Infarction - Upon completion of this session, the participant should be able to:

1. Relate the differences in plaque morphology to the differences between stable angina and acute coronary syndromes.
2. Identify the patient with acute ST-elevation myocardial infarction, including the use of newer markers of cardiac injury.
3. Recognize those treatment strategies that reduce mortality, and the importance of minimizing time delay.
4. Recognize and treat complications of acute infarction.
5. Assess post-infarction risk.

**TOPIC 2:** The Evaluation and Management of Syncope - Upon completion of this session, the participant should be able to:

1. Present a strategy to differentiate the causes of a syncopal event.
2. Review an evidence-based algorithm to evaluate recurrent syncopal episodes.
3. Review the diagnostic tests available for the evaluation of recurrent syncopal episodes and their appropriate use.
4. Review the therapeutic options for recurrent syncope.

**TOPIC 3:** Cardiac Emergencies: Pulmonary Edema, Shock - Upon completion of this session, the participant should be able to:

1. Differentiate cardiac from non-cardiac pulmonary edema.
2. Differentiate between chronic and acute heart failure.
3. Outline beneficial therapies for acute pulmonary edema.
4. Define cardiogenic shock in hemodynamic and clinical terms.
5. Generate a differential diagnosis for shock.
6. Recognize the importance of revascularization in the patient with shock due to acute myocardial infarction.

**TOPIC 4:** Overview of the Current Management of Nosocomial Infections - Upon completion of this session, the participant should be able to:

1. Review the recent trends in the epidemiology and anti-microbial resistance patterns of common hospital acquired infections.
  2. Categorize the various types of hospital acquired infections and their common presentations.
  3. Describe the appropriate management of hospital acquired infections.
  4. Evaluate potential strategies to prevent hospital acquired infections.
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[Cat #: AMS-16CD](#)

### **Orthopedics and Sports Medicine for Today's Primary Care Practitioner**

**Media:** Audio CD, or MP3

Original Release Date: July 1, 2009

Expiration Date: July 1, 2012

5 AMA PRA Category 1 Credits™

#### **SPECIFIC OBJECTIVES FOR EACH TOPIC**

**TOPIC 1:** Sports Pre-Participation Examination - Upon completion of this session, the participant should be able to:

1. Discuss pertinent history and physical findings for sports participation.
2. Recognize the contraindications to sports participation.
3. Develop strategies for allowing participation with certain conditions.

**TOPIC 2:** Shoulder Injuries - Upon completion of this session, the participant should be able to:

1. Review the anatomy of the shoulder and related structures.
2. Discuss historical and physical findings.
3. Identify treatment strategies that are suggested for specific conditions.

**TOPIC 3:** Evaluation of the Painful Knee in the Primary Care Setting - Upon completion of this session, the participant should be able to:

1. Recognize key historical features to help distinguish between common causes of knee pain in the primary care setting.
2. Demonstrate physical examination skills utilized in the diagnosis of common causes of knee pain.
3. Describe the treatment of common knee injuries in the primary care setting and determine which injuries require orthopedic consultation.

**TOPIC 4:** Ankle Injuries Masquerading As Sprains - Upon completion of this session, the participant should be able to:

1. Review important anatomical landmarks.
  2. Discuss clinical presentation and diagnosis of ankle injuries that are NOT sprains.
  3. Develop a practical approach to the management of these injuries.
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[Cat #: AMS-18D](#)

### **Dermatology in Adult Medicine**

**Media:** DVD

Original Release Date: July 1, 2009

Expiration Date: July 1, 2012

10 AMA PRA Category 1 Credits™

#### **SPECIFIC OBJECTIVES FOR EACH TOPIC**

**TOPIC 1:** Introduction - Essentials of Dermatology Diagnosis - Upon completion of this session, the participant should be able to:

1. Approach dermatologic disorders with a consistent and logical method.
2. Appreciate the role of "color" in the diagnosis of cutaneous lesions.
3. Explain rationale for the therapy of common disorders.

**TOPIC 2:** Evidence-Based Case Studies in Dermatology - Upon completion of this session, the participant should be able to:

1. Create a differential diagnosis based on clinical presentation and patient history.

**TOPIC 3:** Drug Eruptions - Upon completion of this session, the participant should be able to:

1. Recognize the numerous eruptions induced by medications.
2. Infer the "most common" suspected drugs in producing certain reaction patterns.

**TOPIC 4:** Common Problems in Office Dermatology - Upon completion of this session, the participant should be able to:

1. Develop a differential diagnosis of common disorders based on lesion morphology and distribution.
2. Appreciate the many manifestations of cutaneous fungal disease.
3. Be aware of fungal foot and nail changes and the approach to therapy.

**TOPIC 5:** Common Tumors in the Office Setting - Upon completion of this session, the participant should be able to:

1. Identify and develop treatment algorithms for common epidermal tumors.
2. Identify and develop treatment algorithms for common vascular tumors.
3. Identify and develop treatment algorithms for common subcutaneous tumors.

**TOPIC 6:** Infections in Dermatology - Upon completion of this session, the participant should be able to:

1. Categorize various infectious processes involving the skin.
2. Diagnose and treat common cutaneous infections, including indications for biopsy.

**TOPIC 7:** The Sun and the Skin: Photo-aging, Non-Melanoma Skin Cancer, Photodermatitis, and Sunscreens - Upon completion of this session, the participant should be able to:

1. Identify non-melanoma skin cancers and precancerous lesions and available therapies.
2. Outline appropriate sun protective measures for patients.

[Cat #: AMS-19D](#)

### **Dermatology for the Non Dermatologist**

**Media:** DVD

Original Release Date: July 1, 2010

Expiration Date: July 1, 2013

10 AMA PRA Category 1 Credits™

**OVERALL OBJECTIVES:** Upon completion of this CME activity, through the use of clinical vignettes emphasizing Guidelines and Evidence-Based Medicine, the physician or healthcare provider should be able to formulate a differential, make a diagnosis and develop a plan for the prevention and/or therapeutic management of the various disorders presented.

#### **SPECIFIC OBJECTIVES FOR EACH TOPIC**

**TOPIC 1:** Fever and Rash: A Common Sense Approach - Upon completion of this session, the participant should be able to:

1. Identify life-threatening skin conditions present with a fever.
2. Generate a differential diagnosis for a fever and rash.
3. Identify a classification scheme for skin diseases associated with fever.

**TOPIC 2:** Malignant Melanomas: Melanoma and Birthmarks - Upon completion of this session, the participant should be able to:

1. Utilize the ABCDE approach to the description of pigmented lesions and features of melanoma.
2. Describe the biology of melanoma.
3. Understand the surgical approach to melanoma.

**TOPIC 3:** Tick-Borne Infections in the Pediatric Patient: Hot Spots and Bullseyes - Upon completion of this session, the participant should be able to:

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

**TOPIC 4:** Case Studies in Clinical Dermatology - Upon completion of this session, the participant should be able to:

1. Create a differential diagnosis based on clinical presentation and patient history.
2. Appreciate the importance of morphology and pattern recognition in cutaneous disorders.

**TOPIC 5:** Visual Diagnosis in the Pediatric Patient - Upon completion of this session, the participant should be able to:

1. Recognize common, uncommon and atypical presentations of childhood illnesses.
2. Formulate an initial approach to the management of certain childhood illnesses or injuries based on visual clues.
3. Ask appropriate questions to discriminate among similar appearing pediatric diagnoses.

**TOPIC 6:** Approach to Rosacea and the Red Face - Upon completion of this session, the participant should be able to:

1. Identify Rosacea.
2. Develop a treatment plan for Rosacea.
3. Distinguish Rosacea from other causes of the "Red Face."

**TOPIC 7:** Leg Ulcers and the Principles of Wound Care - Upon completion of this session, the participant should be able to:

1. Differentiate and treat leg ulcers based on etiology.
2. Apply the basic principles of wound care.
3. Explain the rationale for various wound dressings.

[Cat #: AMS-20D](#)

### Trauma Challenges in the Emergency Department

**Media:** DVD

Original Release Date: July 1, 2009

Expiration Date: July 1, 2012

10 AMA PRA Category 1 Credits™

#### SPECIFIC OBJECTIVES FOR EACH TOPIC

**TOPIC 1:** Airway Rescue Strategies - Upon completion of this session, the participant should be able to:

1. Describe a general approach to the patient with a difficult airway.
2. Discuss contemporary airway rescue techniques.
3. Present an algorithm for management of the failed airway.

**TOPIC 2:** Trauma Case Studies - Upon completion of this session, the participant should be able to:

1. Identify critical issues in the evaluation and management of the injured patient using a case-based format.
2. Describe the management imperatives of:
  - a. Spinal trauma
  - b. Blunt chest trauma
  - c. Blunt abdominal trauma
  - d. Pelvic trauma
  - e. Genitourinary trauma
3. Discuss common pitfalls in the evaluation of the injured patient.

**TOPIC 3: Wrist and Hand Injuries** - Upon completion of this session, the participant should be able to:

1. Review of the anatomy of the wrist and hand, with attention to surface anatomy and how it correlates to injury patterns.
2. Review the common pitfalls in diagnosis and treatment of hand and wrist injuries. This will be a case-based approach utilizing an Audience Response System.
3. Review hand injuries that should not be missed and/or require orthopedic follow-up.

**TOPIC 4: Mastering Local and Regional Anesthesia** - Upon completion of this session, the participant should be able to:

1. Describe the pharmacology of local anesthetics.
2. Discuss recent controversies in local anesthetic techniques.
3. Review regional anesthetic techniques appropriate for the ED.

**TOPIC 5: Essentials of Trauma Imaging** - Upon completion of this session, the participant should be able to:

1. Identify which patients need imaging following trauma.
2. List which imaging studies are most effective in diagnosing injury.
3. Demonstrate how the clinician should approach image interpretation.

**TOPIC 6: Facial Trauma** - Upon completion of this session, the participant should be able to:

1. Perform both a rapid screen and a thorough evaluation of the patient with facial trauma.
2. Outline the challenges in securing an airway in the patient with facial trauma.
3. Describe the indication for different imaging procedures for facial trauma.
4. Manage injuries to the soft tissues of the face (lips, tongue, eyelids...).

**TOPIC 7: Pitfalls in Orthopedics** - Upon completion of this session, the participant should be able to:

1. Outline high-risk scenarios in emergency orthopedics.
2. Discuss severe true orthopedic emergencies.
3. Review commonly missed/mis-managed orthopedic conditions, using a case-based approach.
4. Discuss the causes, clinical presentation, diagnosis and management of compartment syndrome.
5. Review the approach to the patient with penetrating extremity trauma.
6. Discuss the indications for vascular assessment in knee dislocations.

[Cat #: AMS-21D](#)

### **Radiology for the Non Radiologist, Skeletal and Trauma Series**

**Media:** DVD

Original Release Date: July 1, 2009

Expiration Date: July 1, 2012

10 AMA PRA Category 1 Credits™

#### **SPECIFIC OBJECTIVES FOR EACH TOPIC**

**TOPIC 1: Evaluation of Skeletal Trauma** - Upon completion of this session, the participant should be able to:

1. Demonstrate an understanding of what constitutes proper radiographic evaluation of skeletal trauma.
2. Recognize the limitations of plain radiographs in demonstrating acute fractures.
3. Determine which additional imaging studies may be used when plain radiographic studies fail to demonstrate a suspected fracture.
4. Describe fractures using proper terminology.

**TOPIC 2: Cervical Spine: Acute and Chronic** - Upon completion of this session, the participant should be able to:

1. Triage patients presenting with trauma or neck pain regarding the need for imaging.
2. Discriminate between stable and unstable cervical spine injuries.
3. Decide which patients require advanced imaging for cervical trauma.
4. Order appropriate imaging studies in patients presenting with chronic neck pain or cervical radiculopathy.

**TOPIC 3: Upper Extremity Trauma** - Upon completion of this session, the participant should be able to:

1. Identify radiographic findings following upper extremity trauma.
2. Determine which imaging studies should be ordered to optimally demonstrate suspected injury.
3. Recognize soft tissue signs associated with occult fractures.
4. Analyze routine radiographic studies of the upper extremity.

**TOPIC 4: Acute Abdominal Emergencies Including Traumatic Injury** - Upon completion of this session, the participant should be able to:

1. Describe which clinical diagnoses are considered emergencies in abdominal imaging.
2. Describe which imaging studies should be performed for suspected emergency conditions.
3. Identify imaging findings of acute abdominal emergencies.

**TOPIC 5: Back Pain Imaging** - Upon completion of this session, the participant should be able to:

1. Discuss radiological contribution to integrated diagnosis of back pain.
2. Identify findings of radiography, CT and MRI that may contribute to back pain.
3. Define terminology used in radiological reports relating to imaging of the spine.

**TOPIC 6: Lower Extremity Trauma** - Upon completion of this session, the participant should be able to:

1. Identify plain radiographic findings following lower extremity trauma.
2. Determine which radiographic studies to order based on the suspected injury.
3. Recognize normal anatomic variants that may mimic pathology.
4. Analyze routine radiographic studies of the lower extremity.

**TOPIC 7: MRI of Large Joints - Knee, Shoulder and Hip** - Upon completion of this session, the participant should be able to:

1. Define commonly used terminology in radiographic reports related to musculoskeletal MRI.
2. Differentiate when to order shoulder MRI with and without arthrography.
3. Outline appropriate indication for large joint MRI examinations.

[Cat #: AMS-22D](#)

### **Radiology for the Non Radiologist, Challenges in the Adult and Pediatric Patient**

**Media:** DVD

Original Release Date: July 1, 2010

Expiration Date: July 1, 2013

10 AMA PRA Category 1 Credits™

**OVERALL OBJECTIVES:** Upon completion of this CME activity, through the use of clinical vignettes emphasizing Guidelines and Evidence-Based Medicine, the physician or healthcare provider should be able to formulate a differential, make a diagnosis and develop a plan for the prevention and/or therapeutic management of the various disorders presented.

#### **SPECIFIC OBJECTIVES FOR EACH TOPIC**

**TOPIC 1: Basic Chest X-Ray Interpretation** - Upon completion of this session, the participant should be able to:

1. Develop a systematic approach to looking at a chest radiograph.
2. Recognize how radiographic technique may simulate or hide abnormalities on a chest radiograph.
3. Identify air space diseases such as pneumonia and atelectasis on a chest radiograph.

**TOPIC 2: Radiology of the Pleura: Effusion, Pneumothorax and More** - Upon completion of this session, the participant should be able to:

1. Recognize the various appearances of pleural diseases.
2. Identify pleural effusions on a chest radiograph, both simple and complex.
3. Recognize pneumothorax confidently.

**TOPIC 3: Oncologic Imaging** - Upon completion of this session, the participant should be able to:

1. Discuss advantages and disadvantages of current methods for colon cancer screening.
2. Determine which imaging modalities are most useful for breast cancer screening.
3. Describe recent advances in oncologic imaging.

**TOPIC 4:** Pulmonary Nodule: Evaluation and Follow-Up - Upon completion of this session, the participant should be able to:

1. Evaluate pulmonary nodules using a variety of radiographic techniques.
2. Identify which nodules require further evaluation and which can be safely ignored.
3. Use Evidence-Based Guidelines regarding appropriate intervals for nodule follow up.

**TOPIC 5:** Contrast and Radiation Issues in Radiology - Upon completion of this session, the participant should be able to:

1. Identify patients at risk for adverse reactions to intravenous iodinated contrast for CT.
2. Describe current understanding of adverse patient reactions to Gadolinium containing MRI contrast materials.
3. Describe factors leading to increased radiation exposure to patients from medical imaging.
4. Discuss approaches to reducing radiation doses to patients while preserving diagnostic accuracy.

**TOPIC 6:** Orthopedics in the Pediatric Patient - Upon completion of this session, the participant should be able to:

1. Describe the anatomic differences between child and adult bones/joints.
2. Classify pediatric fractures involving the growth plate.
3. Identify fractures associated with abuse.
4. Treat common orthopedic injuries and know when to refer.

**TOPIC 7:** Dilemma of the Foreign Body in the Pediatric Patient: Aspirated or Ingested - Upon completion of this session, using evidence-based medicine, the participant should be able to:

1. Distinguish the epidemiology and clinical presentation of aspirated versus ingested foreign bodies.
2. Analyze the rationale for radiographic evaluation of children with a history of foreign body ingestion.
3. Debate the relative merits of endoscopic versus Foley catheter removal, and bougienage advancement of esophageal foreign bodies.
4. Review the diagnostic approach and radiographic interpretation of children with aspirated foreign bodies.

[Cat #: AMS-23D](#)

## **Emergency Medicine, Challenges in Adult Medicine**

**Media:** DVD

Original Release Date: July 1, 2009

Expiration Date: July 1, 2012

10 AMA PRA Category 1 Credits™

### **SPECIFIC OBJECTIVES FOR EACH TOPIC**

**TOPIC 1:** Cutting Edge Airway Management - Upon completion of this session, the participant should be able to:

1. Discuss essentials of airway pharmacology.
2. Discuss a fundamental approach to airway assessment.
3. Describe the technique of rapid sequence intubation.

**TOPIC 2:** Wide Complex Tachycardia: When Is V-Tach Not V-Tach? - Upon completion of this session, the participant should be able to:

1. Review the possible etiologies and ECG appearance of wide complex tachycardias.
2. Identify ECG features of these rhythms that will help differentiate between ventricular tachycardia and other more benign etiologies.
3. Discuss evidence-based treatment of these dysrhythmias.
4. Appreciate the clinical significance of the underlying medical conditions that result in these dysrhythmias.

**TOPIC 3:** ST Segment Elevation: MI or Not MI - Upon completion of this session, the participant should be able to:

1. Appreciate the wide variety of clinical conditions that can result in ST elevation on the ECG.
2. Describe ECG findings that can aid the clinician in determining the significance of ST-elevation on an ECG.
3. Discuss the possible adjuncts a clinician can use to further define the significance of ST-elevation on an ECG.

**TOPIC 4:** Electrolytes at Panic Levels - Upon completion of this session, the participant should be able to:

1. Identify common symptoms and signs that suggest an electrolyte abnormality.
2. List the various therapies used to treat hyperkalemia.
3. Review the various formulas used to correct disorders in sodium homeostasis.

**TOPIC 5:** Low Back Pain In the ED: What We Know, What We Think We Know, and What We Don't Know - Upon completion of this session, the participant should be able to:

1. Discuss the evidence-based approach to the evaluation of non-traumatic back pain.
2. Review the "red flags" that should heighten the suspicion for serious pathology in the evaluation of back pain.
3. Describe both effective as well as disproved therapies in the treatment of back pain.
4. Identify potential pitfalls in the treatment and disposition of low back pain.

**TOPIC 6:** Aortic Disasters - Upon completion of this session, the participant should be able to:

1. Describe the pathophysiology and clinical presentation of aortic dissection and AAA.
2. Outline the diagnostic options for emergency detection of these life-threatening vascular emergencies.
3. Review the essentials of emergency management of aortic dissection and AAA.

**TOPIC 7:** Thrombolysis for Stroke - Upon completion of this session, the participant should be able to:

1. Identify the principles and pathophysiology of stroke and stroke treatment.
2. Appreciate the applicable medical literature that is available to the clinician.
3. Review the performance of thrombolysis for stroke to this point in time.
4. Describe the controversy regarding this therapy.
5. Recognize emerging technologies and therapies useful for the treatment of stroke in the ED

[Cat #: AMS-24D](#)

### Trauma Center Topics in the Pediatric Patient

**Media:** DVD

Original Release Date: July 1, 2009

Expiration Date: July 1, 2012

10 AMA PRA Category 1 Credits™

### SPECIFIC OBJECTIVES FOR EACH TOPIC

**TOPIC 1:** Upper Airway Emergencies in the Pediatric Patient - Upon completion of this session, the participant should be able to:

1. Conclude that upper airway emergencies require prompt diagnosis and efficient treatment.
2. Recognize and treat common causes of pediatric stridor including:
  - a. Croup;
  - b. Epiglottitis;
  - c. Retropharyngeal abscess;
  - d. Anaphylaxis.

**TOPIC 2:** Accidents Will Happen? Evaluation of Suspected Physical Abuse in Children - Upon completion of this session, the participant should be able to:

1. Recognize common presentations of non-accidental trauma.
2. Plan the evaluation of the child with suspected non-accidental trauma.
3. Apply the principles of correct documentation for forensic purposes.

**TOPIC 3:** Orthopedic Conditions Above the Hip - Upon completion of this session, the participant should be able to:

1. Diagnose the Salter-Harris classification of fractures in the pediatric patient.
2. Initially manage fractures of the upper extremity and recognize when to refer to an Orthopedic Surgeon.

**TOPIC 4:** Managing Animal Bites - Upon completion of this session, the participant should be able to:

1. Identify those bites that are at particular risk of infection.
2. Summarize the arguments for and against the use of prophylactic antibiotics in specific bite wounds.
3. Match specific infecting organisms with the biting animal.

**TOPIC 5:** Wound Care - Upon completion of this session, the participant should be able to:

1. Differentiate treatment plans for wound repair based on the size and depth of a laceration.
2. Identify those wounds requiring antibiotic prophylaxis.
3. Outline the approach and treatment for children at risk for rabies or tetanus.

**TOPIC 6:** Management of Burns in Children - Upon completion of this session, the participant should be able to:

1. Treat minor burns in children on an outpatient basis.
2. Apply principles of supportive care for patients with major burns, including treatment of smoke inhalation and fluid management.
3. Recognize indications for referral for inpatient or specialty care in pediatric burn patients.

**TOPIC 7:** Non-Traumatic Surgical Abdominal Emergencies - Upon completion of this session, the participant should be able to:

1. Recognize pediatric abdominal processes that require surgical intervention.
2. Diagnose and manage the following conditions:
  - a. Intussusception;
  - b. Malrotation;
  - c. Pyloric Stenosis;
  - d. Meckel's Diverticulum.

[Cat #: AMS-25D](#)

### Orthopedics for Primary Care

**Media:** DVD

Original Release Date: July 1, 2010

Expiration Date: July 1, 2013

10 AMA PRA Category 1 Credits™

**OVERALL OBJECTIVES:** Upon completion of this CME activity, through the use of clinical vignettes emphasizing Guidelines and Evidence-Based Medicine, the physician or healthcare provider should be able to formulate a differential, make a diagnosis and develop a plan for the prevention and/or therapeutic management of the various disorders presented.

### SPECIFIC OBJECTIVES FOR EACH TOPIC

**TOPIC 1:** The Knee: A Critical Evaluation of Two Common Problems - Upon completion of the session, the participant should be able to:

1. Explain the anatomy, body-mechanics, and pathophysiology of iliotibial band friction syndrome.
2. Discuss treatment strategies for ITB including training changes, medication and specific exercises.
3. Describe the anatomy and physiology of the meniscus and how this relates to tears and their treatment.
4. Discuss important points in history, physical and testing that lead to a diagnosis of damaged meniscus.
5. Discuss the benefits and implications of surgical vs. conservative management of meniscal tear.

**TOPIC 2:** Osteoporosis: Diagnosis & Treatment - Upon completion of this session, using the USPSTF and NOF recommendations as well as the Cochrane Abstract Database, the participant should be able to:

1. Identify the patient at risk for an osteoporotic fracture.
2. Discuss the current methods for evaluating patients at risk for osteoporosis.
3. Describe the therapeutic classes of medications, their indications and their side effects.
4. Discuss the therapeutic role of repeating the DXA scan in patients treated for osteoporosis.

**TOPIC 3:** Rheumatologic Procedures - Upon completion of this session, the participant should be able to:

1. Summarize techniques and indications for intraarticular and soft tissue injections in rheumatology.

**TOPIC 4:** Common Fractures - Upon completion of this session, using analyses of clinical evidence, the participant should be able to:

1. Review bone metabolism and repair.
2. Discuss common fractures.
3. Become familiar with the various treatment recommendations presented.

**TOPIC 5:** Office Orthopedics in the Elderly Patient - Upon completion of this session, the participant should be able to:

1. List the common causes of acute low back pain in the elderly.
2. Describe the symptoms and treatment of spinal stenosis.
3. List the common causes of neck pain in the elderly.

**TOPIC 6:** Interesting Pediatric Cases: When a Long Day Becomes a Pain in the..."Back" - Upon completion of this session, the participant should be able to:

1. Identify the important clinical features of diagnoses associated with back pain.
2. Generate a differential diagnosis for each described clinical presentation.
3. Develop an initial evaluation and treatment plan for children presenting with back pain.

**TOPIC 7:** Pediatric Orthopedic Pitfalls - Upon completion of this session, the participant should be able to:

1. Discuss the unique responses of the pediatric musculoskeletal system to forces.
2. Initiate management for common pediatric extremity emergencies.
3. Correlate mechanism of injury, age and anatomy with common and uncommon extremity injuries.
4. Avoid traps that obscure subtle pediatric orthopedic injuries.

[Cat #: AMS-26D](#)

### Primary Care, Clinical Updates That Will Improve the Way You Practice

**Media:** DVD

Original Release Date: July 1, 2010

Expiration Date: July 1, 2013

10 AMA PRA Category 1 Credits™

**OVERALL OBJECTIVES:** Upon completion of this CME activity, through the use of clinical vignettes emphasizing Guidelines and Evidence-Based Medicine, the physician or healthcare provider should be able to formulate a differential, make a diagnosis and develop a plan for the prevention and/or therapeutic management of the various disorders presented.

### SPECIFIC OBJECTIVES FOR EACH TOPIC

**TOPIC 1:** Dizziness - Upon completion of this session, the participant should be able to:

1. Differentiate between the most common causes of dizziness.
2. Distinguish between central and peripheral causes of vertigo.
3. Describe physical examination maneuvers used to diagnose and treat vertigo.

**TOPIC 2:** Stroke - An Evidence-Based Approach to TIA and Acute Stroke - Upon completion of this session, the participant should be able to:

1. Define TIA.
2. Develop a protocol for evaluation and treatment of TIA and stroke.
3. Apply inclusion criteria and CT criteria for thrombolysis.
4. Evaluate outcomes, hemorrhage rate, recovery.

**TOPIC 3:** Common Thyroid Disorders - Upon completion of this session, the participant should be able to:

1. Diagnose common causes of thyroid hyper-function and hypo-function.
2. Treat common thyroid function abnormalities.
3. Perform an appropriate evaluation of thyroid nodules.

**TOPIC 4:** Shock and Hemodynamic Monitoring - Shock is a common problem in the intensive care unit. The International Surviving Sepsis Campaign evidence-based guidelines will be reviewed. Upon completion of this session, the participant should be able to:

1. Define shock and describe the causes. We will focus on the pathophysiology of common entities.
2. Characterize basic resuscitation techniques including volume replacement and the use of vasopressors. The discussion will include a review of early goal directed therapy.
3. Recognize the current controversies surrounding the use of invasive hemodynamic monitoring.
4. Define new treatments for septic shock. This will include the use of activated protein C and the role of corticosteroids.

**TOPIC 5:** Peripheral Neuropathy and Neuropathic Pain Management - Upon completion of this session, the participant should be able to:

1. Define the spectrum of neuropathic signs, symptoms, and causes.
2. Develop an approach to bedside examination.
3. Discuss the mechanism of neuropathic pain.
4. Apply effective therapies.

**TOPIC 6:** Crystal Arthropathies - Upon completion of this session, the participant should be able to:

1. Describe the diagnosis and treatment of crystal arthropathies including gout and pseudogout.

**TOPIC 7:** Asthma Update - Upon completion of the session, the participant should be able to:

1. Explain the pathophysiology of asthma and how the various medications work to thwart the disease process.
2. Utilize the NHLBI guidelines for assessing a patient's impairment and risk from asthma.
3. Discuss side effects of asthma medications and be able to answer patients' concerns regarding them.
4. Apply the step-care process and appropriate combinations of medications for asthma.

[Cat #: AMS-27D](#)

### **Family Medicine, Improving Your Common Clinical Outcomes**

**Media:** DVD

Original Release Date: July 1, 2010

Expiration Date: July 1, 2013

10 AMA PRA Category 1 Credits™

**OVERALL OBJECTIVES:** Upon completion of this CME activity, through the use of clinical vignettes emphasizing Guidelines and Evidence-Based Medicine, the physician or healthcare provider should be able to formulate a differential, make a diagnosis and develop a plan for the prevention and/or therapeutic management of the various disorders presented.

#### **SPECIFIC OBJECTIVES FOR EACH TOPIC**

**TOPIC 1:** Routine Adult Care - Upon completion of this session, the participant should be able to:

1. Identify the current primary care guidelines for recommended screening tests for adults.
2. List the various recommended immunizations for adults.

**TOPIC 2:** Treating Patients with Type 2 Diabetes Mellitus - Upon completion of this session, using the American Diabetes Association and the European Association for the Study of Diabetes guidelines as well as the Cochrane Abstract Database, the participant should be able to:

1. Describe the therapeutic goals in treating Type 2 Diabetes and their medical rationale.
2. Compare and contrast the oral agents for treating Type 2 Diabetes.
3. Identify the need for insulin in Type 2 Diabetes and list the therapeutic insulin options.

**TOPIC 3:** Drugs and the Nervous System - Upon completion of this session, the participant should be able to:

1. Identify the common effects of prescribed drugs on the nervous system.
2. Identify the common effects of illicit drugs on the nervous system.
3. Recognize the common neurologic complications of alcoholism.
4. Recognize the common neurologic side effects of antidopaminergic medication.

**TOPIC 4:** Soft Tissue and Bone Infections - Upon completion of this session, the participant should be able to:

1. Identify an approach to making the diagnosis of common skin and soft tissue infections.
2. Recognize common infections to include streptococcal and staphylococcal infections and necrotizing fasciitis, diabetic foot infections, bite wound infections and bone and joint infections.
3. Apply appropriate treatment and management of these commonly seen infections and decide when specialist referral is indicated.

**TOPIC 5:** Laboratory and Radiological Tests in Rheumatology - Upon completion of this session, the participant should be able to:

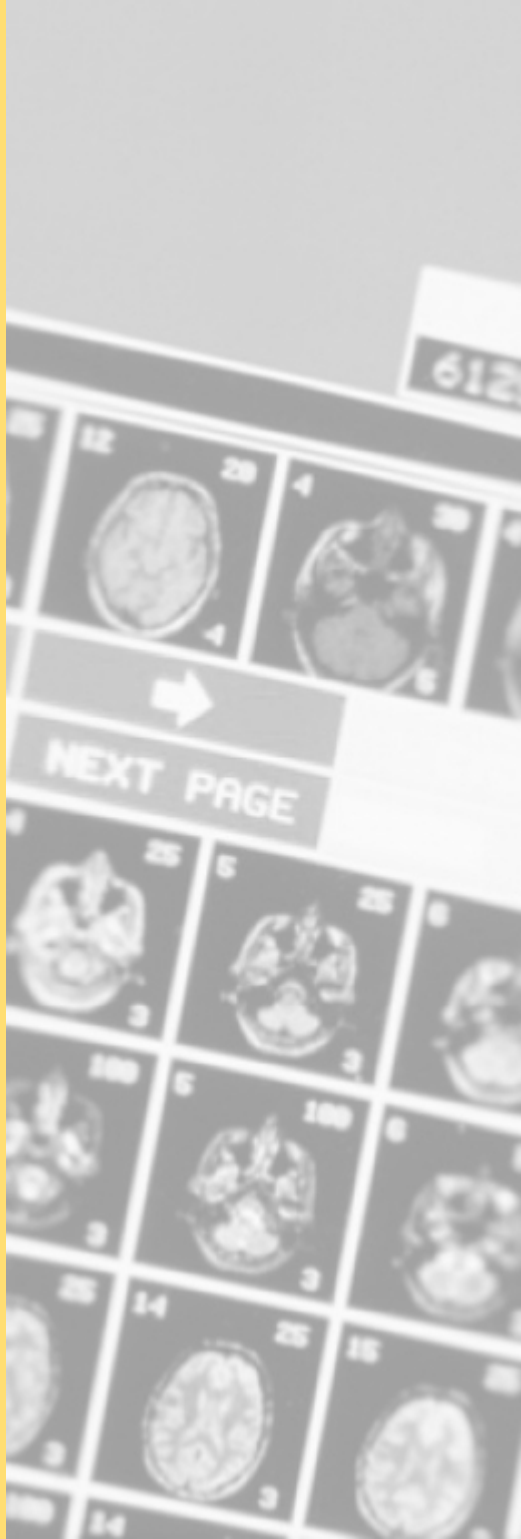
1. Appreciate the importance of synovial fluid analysis.
2. Appreciate the use and limitations of laboratory testing.

**TOPIC 6:** Chronic Obstructive Pulmonary Disease (COPD): Evaluation and Treatment - Upon completion of this session, using the ACCP GOLD guidelines, the AACVPR practice guidelines and the evidence-based reports from Clinical Evidence, the participant should be able to:

1. List the diagnostic criteria for COPD.
2. Describe the natural history of COPD and the influence of smoking cessation.
3. Compare and contrast the pharmacologic treatment options to reduce morbidity associated with COPD.
4. Describe the usual follow-up assessments of patients diagnosed with COPD.

**TOPIC 7:** Depression in Primary Care - Upon completion of this session, the participant should be able to:

1. Explain the incidence and prevalence of anxiety and depression.
2. Recognize the signs and symptoms associated with anxiety and depression.
3. Enumerate and describe treatment strategies available for these disorders.



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