

MEDICAL EDUCATION SPEAKERS NETWORK

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2020 Fall Update

Dear Customers and Colleagues,

Now that you have moved to virtual CME meetings, we are continually looking for new ways and new topics that will benefit and enrich your CME program. We are delighted to present to you the 2020 Fall Update.

We have added trending topics relevant to the current COVID-19 health crisis, as well as other topics that should not be overlooked during this time.

SCMEC Annual Conference

October 29 – 30, 2020

CME Professionals from California and across the country are invited to join this collaborative virtual conference as we focus on how we change, react, adapt and learn in our current environment.

This year's virtual annual event will be free to all SCMEC members and \$80 for non-members. All CME Professionals are welcome to register.

Register here:

<https://www.scmec.org/event-3577159>

2020 Holidays and Dates to Consider

September

MESN Closed	Friday, Sept. 4*
Labor Day	Monday, Sept. 7*
Rosh Hashanah	Friday, Sept. 18*
Fall Begins	Tuesday, Sept. 22
Yom Kippur Begins	Sunday, Sept. 27

October

Columbus Day/ Indigenous Peoples Day	Monday, Oct 12*
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<u>SCMEC Annual Conference</u> (scmec.org)	Oct 29 - 30
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Halloween	Saturday, Oct 31
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November

Daylight Savings Ends	Sunday, Nov 1
Election Day	Tuesday, Nov 3
Veteran's Day	Wed., Nov 11
Thanksgiving	Thursday, Nov 26*
MESN Closed	Friday, Nov 27*

* Office Closed

Practicing in the Age of the Covid-19 Virus

- Describe current CDC interim infection prevention & control guidance for dentistry
- Explain the CDC recommended sequence for donning and doffing PPE
- Identify strategies and resources for implementation & evaluation
- Discuss implications for dental infection prevention & control, post COVID-19

Health Effects of Vaping and Covid-19

- Integrate policy and epidemiological issues related to the use of e-cigarettes
- Analyze the concept of harm-reduction as it pertains to tobacco control strategies
- Utilize the potential health effects of e-cigarettes and their potential benefit for tobacco cessation
- Understand the current knowledge regarding the relationship of smoking and vaping behaviors and COVID-19 disease

Improving Healthcare Communication in the Era of COVID-19

- Describe common barriers to good communication with doctors, patients, and other healthcare staff
- Explain several specific techniques that can improve communication, prevent errors, and improve the experiences of patients and staff
- Use specific techniques to overcome communication challenges related to the COVID-19 pandemic

COVID: What To Tell Your Friends and Family

- Discuss the various sources of information that patients and family members may be using to obtain their information about COVID-19
- Explain how to mitigate risk of infection to friends and family
- Describe the process that people exposed to COVID-19 through their work can minimize the risk to their family

Medical Conspiracy Theories and COVID-19: Mistrust, Misinformation, and Mitigation

- Identify how common it is to believe at least one medically-related conspiracy theory
- Describe at least one conspiracy theory related to COVID-19
- Describe how mistrust and misinformation can lead to belief in medical conspiracy theories
- List one strategy to decrease belief in medical conspiracy theories
- Define the role that cultural diversities (gender, age, race, religion, ethnicity, language, sexual orientation, socio-economics, etc.) may play in medical conspiracy theories

COVID: A Potpourri

- COVID: What To Tell Your Friends and Family and patients
- COVID Safe Practices for the patient and staff flow when re-opening the office
- COVID Testing Strategies - speak to lack of evidence behind antibody testing
- COVID: The Evolving Spectrum of Patient Presentations

Promising Therapies for Covid-19 Patients

- Discuss the clinical stages and presentation of COVID-19
- Become familiar with therapies currently in use or in development for COVID-19
- Discuss the treatment options of COVID-19 patients

Prevention of HAI in an Era of COVID-19

- Describe the prevalence and morbidity associated with common HAIs such as CLABSI, CAUTI, *C. difficile*
- Identify current best practices for the prevention of HAIs and apply them to clinical situations
- Explain recommended precautions to prevent the spread of COVID-19 infection among healthcare workers and between patients and their contacts

Clinical Trials for COVID-19

- Understand the current state of COVID-19 clinical trials
- Describe how to find open clinical trials and how to enroll patients in a trial
- Understand where to find additional up-to-date information on COVID-19 clinical trials

Reopening the OR in the Era of Covid-19

- Summarize guidelines from national medical societies
- Classify risks to healthcare workers and patients
- Recognize the need to invest in processes that reinforce psychological safety

Critical Issues in the Management of Patients with Coronavirus

- Describe the underlying pathophysiology of COVID-19 and the clinical syndromes that have been identified with this condition
- Identify current best practices for the detection and management of COVID-19 in different patient settings, including clinics, the Emergency Department, procedural areas, and inpatient settings
- Explain recommended precautions to prevent the spread of infection among healthcare workers and between patients and their contacts

Normalcy Bias in the COVID-19 Era

- Discuss the presence of bias during crisis and how bias affects the behaviors of patients and healthcare staff
- Define and describe the development, presence and effects of normalcy bias
- Describe methods of reducing the effects of normalcy bias sufficiently to enhance medical treatment

Cardiac Considerations in the Context of COVID-19

- Describe the cardiac effects of COVID-19 infection - including the clinical presentation and pathophysiology
- Delineate treatment options and potential side effects with a particular focus on cardiac side effects
- Discuss strategies to protect staff who are caring for cardiac patients

Unlearning What You Know: Intubating the Suspected COVID-19 Patient

- Discuss the mechanism behind aerosol-generating procedures and list several examples
- List three differences from typical airway management when intubating the COVID patient
- Explain the proper use of personal protective equipment (PPE) when an aerosol-generating procedure is anticipated

Telemedicine and COVID-19

- Describe the overall landscape of telemedicine and use cases
- Analyze the shift that has occurred in the past few months with the COVID-19 pandemic
- Explain what the future of telemedicine will look like in the short-run and long-run
- Determine legal issues involved in telehealth
- Identify services that can be provided by telehealth under the new emergency declaration
- Follow steps of 1135 Waiver

Navigating Difficult Conversations in the Setting of COVID-19

- Explore what makes a conversation difficult
- Review the unique communication challenges present in the setting of COVID-19
- Propose a structure for communicating with patients and families which fosters discovery, empowerment, collaboration, and hope in the setting of COVID-19

Wellbeing During the Covid-19 Crisis: Ensuring That We Take Care of Ourselves

- Review the two skills that will guarantee a decrease in anxiety and stress in your life
- Review skills that will help people around you deal with uncertainty
- Review the importance of learning new skills
- How to provide optimal clinical care while working from home

Navigate Stress in the Time of COVID-19

- Leave with a brain-based understanding of what it means to be human – what occurs when we feel stressed, anxious or afraid
- See the brain as a social organ
- A paradigm shift on vulnerability – embrace the strength of viewing ourselves as doing the best we can under trying circumstances
- Discuss differences in the neurobiology of empathy and compassion and understanding how this can decrease burnout
- Offer specific techniques or strategies for coping with stress

Gastrointestinal Manifestations of COVID-19

- Review the pathogenesis of COVID-19 on the digestive tract
- Discuss data and case studies on gastrointestinal manifestations of COVID-19
- Evaluate the potential benefits of stool testing in the diagnosis of COVID-19
- Analyze the latest epidemiological data on COVID-19 and the GI tract

COVID: Testing Conundrums

- Explain how viral PCR testing works in diagnosing SARS-CoV-2 infection
- Discuss when to use viral testing and what the results of the test means based on the clinical scenario for which it is used
- Describe the limitations of COVID antibody testing as it is currently understood

NIH COVID-19 Treatment Guidelines

- Describe the clinical stages and presentation of COVID-19 and virology
- List therapies currently in use or development for COVID-19
- Identify the treatment options of COVID-19 patients

COVID: Evolving Spectrum of Clinical Disease

- Discuss at least three organ systems affected by infection with SARS-CoV-2
- Describe the presentation of the multisystem inflammatory syndrome in children infected with SARS-CoV-2
- Detail the percentages of patients with various severities of the infection and the expected clinical course of a patient with COVID-19

COVID-19 in Pregnancy: An Overview

- Articulate necessary information regarding COVID-19 and the pregnant patient
- Identify key components for screening, caring for and treating pregnant patients with COVID-19
- Explain the physiology of pregnancy and how that can be affected by COVID-19

Renal Disease and COVID-19

- Understand the renal effects of COVID infection
- Review pathology findings in kidney tissue of COVID patients
- Discuss the role of extracorporeal treatment in COVID-related kidney failure and the COVID syndrome as a whole

Stroke, Blood Clots, and COVID-19

- Recognize the characteristics of COVID-19 patients at risk for stroke
- Critically evaluate future evidence for possible correlation between stroke and COVID-19 as the literature evolves
- Describe stroke management considerations unique to patients with COVID-19

COVID in Cancer Patients: Risks and Management

- Describe modes of transmission and why cancer patients may be more susceptible to initial contamination
- Identify the latest research on how COVID disease progresses and vulnerabilities of cancer patients: relationship to the disease itself vs. immunosuppressive therapy
- List outcomes documented so far in cancer patients
- Identify implications on management: is there a need for treatment modifications? Has it increased testing and monitoring?

Management of Asthma/Allergies in the Environment of COVID-19

- Understand the evolving definitions and treatment paradigms of asthma and allergies
- Review the pathophysiology and biomarkers of severe asthma
- Discuss clinical guidelines in the proper workup and treatment of asthma and allergies in the environment of COVID-19
- Approach severe asthma endotypes of asthma through personalized medicine

COVID-19 Update: What We Know and What We Don't

- Understand what is currently known and unknown from the rapidly evolving literature on SARS-CoV-19
- Explain updated understanding of the pathophysiology of the virus and how it affects multiple body systems
- Describe updates on drug and vaccine testing
- Understand the current controversy on ventilatory support
- Explain different testing modalities and how they might be used

COVID-19-related Strokes in Young, Middle-Aged, and Older Adults

- Review the frequency and pathophysiologic bases of strokes related to COVID-19
- Delineate the diagnostic work-up appropriate to perform in patients with stroke possibly related to COVID-19
- Provide an update on current therapeutic approaches to the management of COVID-19 related stroke

COVID-19 and Children

- Recognize children with a high probability of PANS or PANDAS syndrome
- Evaluate the evidential basis for treatment
- Acquire new empathy for the suffering endured by afflicted families
- Prepare to assess cultural diversity issues in risk, incidence, prevalence, disease burden, or mortality associated with PANDAS and/or cultural disparities in access, diagnosis at more advanced stages, or less adherence to treatment regimens

Increased Risk of Mental Health Issues and Suicide Among Clinicians Treating COVID-19 Patients

- Identify reasons for the psychological effects on clinicians treating COVID-19 patients
- Detect signs and symptoms of mental health issues, burnout, and secondary traumatic stress
- Recognize ways to help and support clinicians during this pandemic

Dealing with Grief & Loss During COVID 19

- Describe five categories of losses over which people grieve
- Identify at least five myths surrounding grief
- Explain at least five ways COVID 19 magnifies the grief
- Articulate the differences between Grief Support and Grief Recovery

The Drug Abuse Patient in the Emergency Room

- Identify risk factors for misuse of pain medications among pain patients
- Demonstrate practical approaches to minimize risks for prescribers and patients when utilizing opioids for managing acute and chronic pain in patients with a past or current history of addiction
- Recognize the signs and symptoms of opioid withdrawal
- Use validated clinical tools to assess and treat patients with these withdrawal symptoms
- Describe any ethnic, cultural, societal, ethical or legal issues surrounding the use of opioids in managing acute, chronic and end-of-life pain and how health care providers can play a crucial role in addressing these issues

Alcohol Use Disorder

- Describe the epidemiology of Alcohol Use Disorder (AUD) and outline current and evolving diagnostic criteria
- Describe challenges to the successful identification of patients with AUD
- Identify the treatment modalities currently available for management of AUD and apply them to patient cases using evidence-based medicine
- Develop strategies for recognizing and improving therapeutic adherence in patients treated for AUD

Marijuana: Risk and Benefits

- Identify various types of marijuana products available
- Recognize medical indications for the use of marijuana
- Recognize potential harms from cannabis
- Discuss current legal issues regarding marijuana
- Cite the cultural considerations of marijuana usage

When Your Patient is a Substance Abuser: Currently or Historically

- Dispel at least seven myths associated with substance abuse in the mature adult
- Identify five universal consequences of Substance Use Disorder
- Identify five characteristics required for a substance to be considered addictive
- Articulate how Post-Acute Withdrawal Syndrome can both mimic and lead to relapse
- Differentiate addiction and pseudo-addiction

Prevention and Treatment of Tobacco Use

- Review the impact and prevalence of tobacco exposure
- Review 3 steps to promote smoking cessation in the CEASE framework
- Learn how to refer to the quitline using the E-referral system
- Write a nicotine replacement prescription
- Identify the harms associated with E-cigarettes

Anesthesiology, Pain Management & Palliative Care

Update on Opioid Crisis and Alternatives

- Address the challenges associated with the management of acute and chronic pain
- List best practices for pain management involving opioids
- Utilize alternative treatment modalities to treat and manage pain appropriately
- Refer to a pain specialist, when appropriate
- Define CURES regulation requirement and utilize CURES website effectively
- Consider ethnic, cultural, and societal issues surrounding the use of opioids in managing acute and chronic pain and address these issues appropriately

Multimodal Approach to Pain

- Recognize benefits of pain management interventions as compared to only prescribing narcotics
- Follow current best practice guidelines for non-narcotic pain control
- Determine the difference between acute vs. chronic pain
- Distinguish drug-seekers from other patients seeking treatment and employ strategies to approach and manage these patients

Prescription Opioid Abuse: What Health Professionals Need to Know

- Explain what non-medicinal opioid use is
- Review how the current epidemic of opioid abuse developed
- Discuss the various methods of diversion
- Recommend techniques to minimize non-medicinal medication use
- Review which socioeconomic groups are at higher risk of non-medicinal opioid use

Palliative Care

- Inform patients of their options and palliative care
- Educate physicians about palliative care and early treatment
- Improve communication with patients and their family members about palliative care

Death and Dying Process & Pain Management

- Recognize the physiologic changes of the dying process signs
- Manage common symptoms at the end of life
- Identify resources for providers and patients caring for patients of EOL

Assorted Topics to Consider

Sugarproof: The Hidden Dangers of Sugar

- Review sources of sugar in the diet and ubiquitous nature in the food supply
- Recognize names of 200+ names for sugar used as food ingredients and how they differ
- Understand differences between different types of loc calorie sweeteners and effects on the body
- Review effects of different sugars on the body including kids including brain development, learning and memory, emotional behavior, gut problems, fatty liver disease, stype 2 diabetes and cardiovascular health
- Discuss lifecourse effects of different sugars and how they affect gestational development through to healthy aging
- Discuss strategies for reducing sugar in children

Environmental Health

- Identify the most common air, land and water environmental toxic substances and learn how they impact an individual's health
- Identify acute and chronic illnesses that can be linked to environmental toxins
- Identify patient populations most vulnerable to environmental toxin exposure, including pregnant women and children
- Diagnose and treat patients with health conditions caused by environmental toxins
- Educate patients on ways to avoid exposure to toxic substances in the air, land, and water

LGBTQ Issues in Healthcare

- Identify and evaluate some health disparities in the LGBT community and their impact on public health overall
- Analytically evaluate the legal and ethical risks that health care institutions face related to LGBT health care issues
- Develop plans that work towards reducing health disparities in the LGBT community and improve overall quality of care

Some Thoughts and Suggestions for Providing Care to Hispanic and LGBT Patients

- Provide care to Hispanic and LGBT persons based on the needs of these communities
- Realize that improved patient practitioner clinical encounter is under the control of the clinician
- Provide care to LGBTQ patients that is guided by the needs of the community

Gay Cases Illustrating Helpful Approaches to Gay Youth

- Illustrate an approach to rejecting families, its consequences and effective interventions
- Describe clinician behaviors to avoid
- Describe how to reconcile religious beliefs and homosexuality
- Describe methods to communicate about sex and sexual orientation
- Identify recommended sexually transmitted infection testing
- Define pre-exposure prophylaxis, who should get it and labs to obtain before beginning PrEP
- Identify bullying

Growing Up Gay/Lesbian: Issues for the Professional and Society

- Describe the current understanding of the origins of variant sexualities, practitioners can be knowledgeable in reducing negative stereotypes
- Explain recent research methods and findings regarding gay youth
- Define the concerns of gay youth and be able to effectively deal with them
- Explain that PREA requires policies and training to protect “Gay” and gender non-conforming incarcerated youth

LGBTQ Cases 1-5

- Enumerate recommendations to increase access to care
- Describe a case reviewing challenges to getting health care and the clinicians responsibility to insure access is possible
- Describe what youth want to know about sex
- Describe a case discussing issues related to Gay youth
- Describe how to communicate successfully with Gay youth about sex and sexual orientation utilizing a case study
- Explain how to approach a family that is rejecting their gay son/daughter using a case
- Describe the use of Pre-exposure prophylaxis PrEP
- Describe management of a Transgender youth

Informed Consent – Don’t Be Sued for Assault

- Discuss the laws on Informed Consent
- Define Informed Consent
- Review weight of signatures and steps for informed consent
- Review requirements for obtaining Informed Consent prior, during, and after surgery, under anesthesia, ...
- Define informed consent in an Emergency and define emergency
- Define when an Ethic’s Consult is best when obtaining Informed Consent
- Analyze the risks of “assault” with regard to Informed Consent
- Document!, Document!, Document!

Effects of Climate Change on Health

- Summarize air pollution exposure and potential health effects
- Identify effects of air pollution exposures on the heart: Implications for cardiac morbidity and mortality
- Cite current findings on causal associations between specific pollutants and cardiovascular disease and asthma
- List potential implications of climate change with respect to pollutant-related health effects
- Summarize potential for air quality degradation in the future and implications for public health
- Counsel those at highest risk of adverse health impacts of climate change, while considering access to care

The Responsibility of the Mandated Reporter

- Identify who is a mandated reporter within the healthcare system
- Define the types of abuse, or suspected abuse, which requires reporting by mandated reporters
- Explain the process of reporting abuse or suspected abuse

Calm, Cool and Collected in Chaos

- Strategize to prevent the chaos to begin with, with easy to access algorithms and prepared equipment
- Learn to create a setting of calm with personnel introductions and pre-procedure discussions
- Understand the concept of emotional contagion and how it contributes to chaos
- Use personal techniques to keep yourself calm and collected if despite your best efforts chaos ensues around you

Perfect Phrases for Difficult Situations

- Discuss how to detect and decipher the nonverbal cues from patients and their family members to maximize communication
- List at least two techniques to defuse a potentially volatile patient interaction
- Explain how to reword phrases to facilitate communication between your patients and you

Social Determinants of Health

- Define diversity and inclusion
- Distinguish between race, ethnicity, and culture
- Evaluate health disparities in the U.S.
- Distinguish major social determinants of health
- Assess cultural competence in patient communication skills

Human Trafficking: Hiding in Plain Sight

- Define human trafficking
- Name mental health and medical consequences of trafficking
- Describe how one might identify trafficked persons
- Understand how to access resources to develop trafficking protocols

Medication Safety

- Develop an understanding of the impact of medication errors on patient safety
- Identify different types of medication errors and differentiate between a medication error and adverse drug event
- Examine the causes of medication errors
- Evaluate how language barriers contribute to higher medication errors

CyberSecurity: Worms and Viruses and Phishing, Oh My

- Review the evolution of cybersecurity threats and provide an overview of current threats and their impact on healthcare
- Gain insight into common sense measures that can be taken to reduce cybersecurity threats and minimize their impact
- Appreciation of the growing role of "The Cloud" as it relates to cybersecurity and healthcare

Improving Patient Adherence to Reduce Readmissions

- Discuss what is motivating the non-adherent patient to ignore our advice
- Explain how to help the patient/family get past their denial and accept our help
- Demonstrate communication techniques to improve patient understanding and adherence
- Outline how these tools will respect patients from diverse populations

Hypertriglyceridemia: Causes, Risks, and Treatment

- Discuss the epidemiologic and genetic evidence linking hypertriglyceridemia (HTG) with increased risk of atherosclerotic cardiovascular disease (ASCVD)
- Relate the pathophysiology of HTG, including elevated levels of remnant lipoproteins, to its causal connection to ASCVD
- Describe the anti-atherosclerotic properties of TG-lowering agents, with a focus on prescription (Rx) omega-3 fatty acids (ω -3)
- Apply best evidence (including evidence-based recommendations and guidelines) to lifestyle and therapeutic approaches for HTG management

Robotic Heart Bypass Surgery

- Summarize the use of minimally invasive technology and robotic heart bypass surgery
- Consider the expected outcomes and risks of robotic surgery and cancer
- Follow indications and refer patients appropriately
- Communicate benefits of robotic surgery to potential patients, considering their health literacy, socioeconomic, and cultural biases

Heart Failure Diagnosis and Management

- Define heart failure
- Review expected clinical assessment findings for patients with heart failure
- Apply nonpharmacological therapies for the management of heart failure
- Examine expected outcomes for the therapeutic management of patients with heart failure
- Apply strategies to prevent and reduce readmissions effectively
- Communicate prevention strategies to patients and their families adequately, taking into consideration, age, ethnicity, and comorbidities

Atrial Fibrillation Guidelines

- Understand the interaction between atrial fibrillation (AF) and heart failure (HF)
- Review medical treatment options for atrial fibrillation in the setting of HF
- Outline recent trials on the role of catheter ablation for AF in the setting of HF
- Know the latest recommendations from the ACC/AHA 2019 AF Management Guidelines

Coronary Artery Disease- Prevention and Treatment

- Identify risks for development of coronary artery disease and determine who is at risk to develop coronary artery disease in the future
- List diagnostic methods to identify risks
- Describe approaches to address and treat underlying risks
- Cite cultural considerations in the prevalence of coronary artery disease

STEMI and NSTEMI

- Distinguish effectively between a STEMI and NSTEMI attack
- Diagnose STEMI and NSTEMI events appropriately
- Treat or refer patient as appropriate
- Consider gender differences regarding heart attacks and educate their female patients to reduce the incidence of heart attacks

Hypertension Update

- Review the role of hypertension in the pathogenesis of coronary events
- Improve physician understanding of the rationale for hypertensive therapy for the prevention of coronary artery disease
- Understand which medications to use, in which situations, for treatment of prevention of cardiac events

Women and Cardiovascular Disease

- Recognize the risk factors and perform an appropriate risk assessment for cardiovascular disease in women
- Order appropriate diagnostic testing
- Manage acute and chronic coronary artery disease in women
- Cite contributing factors of heart disease in women, such as age, ethnic background, and culture

Dermatology

Autoimmune Blistering Diseases

- Define mechanisms of autoimmune blistering diseases (AIBD)
- Understand that bullous diseases can provide insight into systemic disease
- Review treatments for both bullous diseases and related systemic diseases

Psoriasis

- Overcome challenges to effective diagnosis of psoriasis
- Review the different forms of psoriasis
- Identify genetics and predisposing factors
- Review emerging therapies and their potential place(s) in therapy in psoriasis
- Develop strategies to minimize adverse effects and barriers to care associated with psoriasis treatment(s)
- Recognize and address the cultural considerations in the treatment of psoriasis and apply the appropriate therapeutic choices in individual patients with psoriasis based on their demographic and clinical characteristics

Common Dermatologic Conditions and Neoplasms Encountered in Primary Care

- Be able to correctly identify various dermatologic conditions and neoplasms
- Gain comfort in treatment of common conditions
- Expand upon knowledge of available therapeutics for dermatologic conditions

Melanoma

- Learn about the epidemiology and increasing incidence of melanoma
- Understand factors affecting prognosis and the importance of early detection in improving patient outcomes
- Select appropriate diagnostic tests and understand staging and biopsy techniques
- Recognize dermatologic manifestations of melanoma
- Identify etiologic and risk factors, including whites having the highest rate for developing melanoma compared to other ethnic groups
- Select effective treatment and understand the role of surgery, chemotherapy, immunotherapy, adjuvant therapy and individualized treatment
- Counsel patients on prevention strategies and know when to refer to a specialist

Emergency Medicine

Cardiovascular Toxins

- Describe dangers of calcium channel and beta blocker toxicity
- Compare novel treatments and understand their applicability
- Formulate a comprehensive treatment plan that responds to the multisystem organ failure cause by these toxins

Spider and Snake Bites

- Discuss common presentations of black widow envenomations
- Present typical features encountered in massive Hymenoptera envenomations
- Review treatment strategies in rattlesnake envenomations

Heat and Sun Stroke

- Describe the various heat illnesses and how they present
- Discuss the approach to the treatment of heatstroke
- Explain how to prevent heat illness

Management of Near Drowning

- Review epidemiology of drowning and near-drowning
- Understand and list prevention strategies
- Become familiar with the initial and later care of the near-drowning victim including controversies in management

Poisoning in Pediatric Patients

- Recognize the different types of common poisons that can affect patients
- Treat patients appropriately, referring when necessary
- Educate patients and parents on prevention methods
- Identify poison risk specific to teenagers, such as synthetic drugs, etc.

Domestic Violence- Intimate Partner Violence and Today's Current Climate

- Cite the epidemiology of intimate partner violence
- Identify those populations at risk for intimate partner violence while navigating cultural views and/or barriers
- Recognize the signs and symptoms of intimate partner violence
- Apply the appropriate strategies and interventions in the treatment of intimate partner violence
- Address the patient appropriately when the suspected perpetrator is present

Parathyroid & Calcium Levels

- Identify, diagnose, and treat parathyroid
- Assess hyper and/or hypoparathyroidism properly
- Determine causes of enlarged thyroid
- Identify the relationship and impact of calcium/phosphorus levels in parathyroid and renal failure
- Instruct patients regarding optimal self-management, especially in pregnant patients

Obesity Complications

- Discuss range of diseases associated with obesity
- Discuss metabolic basis explaining the links between obesity and diseases
- Discuss the clinical diagnosis of obesity related diseases
- Update on current treatment of diabetes

Outpatient Management of Diabetes

- Utilize current ADA guidelines for the treatment and management of diabetic patients in the outpatient setting
- Prescribe the most appropriate and effective medication to treat and manage diabetes and co-morbidities
- Tailor therapy for each patient and educate them on implementing lifestyle changes to better manage their diabetes, navigating any cultural and socioeconomic barriers

Osteoporosis Update

- Examine the epidemiology and pathophysiology of osteoporosis in men and women
- Identify the contributing factors associated with osteoporosis
- Assess osteoporotic prevention strategies
- Review t-score diagnosis and current screening options for osteoporosis
- Evaluate non-pharmacologic and current pharmacologic therapies recommended for best outcomes
- Differentiate between osteopenia and osteoporosis
- Identify populations (age, gender, and ethnicity) at higher risk for osteoporosis

Subclinical Hypothyroidism

- Define the biochemical entity of subclinical hypothyroidism
- Identify the potential benefits of treating subclinical hypothyroidism
- Identify the potential risks of treating subclinical hypothyroidism

Diabetes Management in Older Patients

- Be able to describe appropriate glycemic targets for older adults with variable levels of health
- Identify changes that can be made to diabetes medication regimens to reduce the risk of hypoglycemia
- Recall two relatively new technologies to improve glycemic control, decrease hypoglycemia, and potentially improve patient quality of life

Enhancing Physician, Staff, and Patient Satisfaction in Today's High-Stress Complex Healthcare Environment

- Gain a better understanding of the factors influencing physician thoughts, attitudes, feelings, and behaviors and how these relate to physician, staff, and patient satisfaction
- Discuss strategies designed to help physicians and staff better adjust to the stress and pressures of today's practice environment
- Recognize the importance of satisfaction, joy, and engagement and its impact on care relationships that affect patient outcomes of care
- Discuss what steps the organization should take to enhance physician and staff satisfaction and well-being

Sexual Harassment

- Define sexual harassment and its applicability in today's society and legal system
- Review actual incidents (redacted) of sexual harassment in healthcare for analysis of root causes and resolutions
- Identify healthcare professionals' role(s) in preventing and responding to sexual harassment in their healthcare environment

Implicit Bias in Medicine

- Review effective communication
- Define implicit biases, explore how they affect health care
- Differentiate between cultural competency and humility
- Identify ways to incorporate the 5Rs into clinical practice
- Promote physician resiliency and improve clinical encounters

Improving Physician Handoffs

- Define the term "handoff" and describe several different types of handoffs and what each entail
- Describe the impact of handoffs on care processes and patient safety
- Apply strategies to improve the quality of handoffs in their practice
- List cultural and linguistic factors which can impact handoffs

Culture Sensitivity & Healthcare Decision-Making

- Discuss how physicians from diverse cultural backgrounds can sometimes provide different medical care & treatments for their patients and also have different standards for judging a successful treatment
- Compare different communication methods used by physicians for culturally diverse backgrounds, including African Americans, Korean Americans & Mexican Americans
- Identify reasons why patients seek medical treatment from physicians of their same race/ethnic background
- Recognize the importance of addressing the cultural and ethnic background of patients at the end of life

Using EQ to Improve the Clinical Experience for Your Patient and You

- Identify three skill sets frequently heralded as pillars of emotional intelligence and the foundation of professionalism
- Understand that communication break downs are the most common cause of the medical error, including medical and surgical complications
- Demonstrate ways to improve professionalism and communication in relationships with peers and patients

How Can Physicians Benefit from an Ethics Consultation?

- Assess whether medical cases are appropriate for an ethics consultation
- Identify the purposes of an ethics committee
- Follow the steps in arranging a formal ethics consultation meeting with a family

Workplace Violence

- Identify risk factors that contribute to workplace violence for healthcare workers, patients, and visitors
- Assess the warning signs in individuals and situations that may result in workplace violence
- Take immediate action when workplace violence is discovered or suspected
- Apply skills to promote a productive and healthy professional life
- Communicate effectively with colleagues, employees, and patients using techniques to address inappropriate language and/or behavior in the workplace

Texting, Social Media and HIPAA

- Recognize what HIPAA privacy risks are involved with social media use
- Assess your professional online presence and reputation
- Take steps to mitigate transgressions and maintain the privacy

Evolving Concepts of Professionalism in Medical Education and Practice

- Describe how the idea of medical professionalism has changed over recent years
- Recognize factors that can promote and hinder professionalism
- Apply concepts in professionalism to the current COVID-19 pandemic

Gastroenterology & Hepatology

New Options in the Treatment of Reflux Disease

- Identify patients at risk for gastroesophageal reflux disease (GERD)
- Recognize symptoms of GERD
- Select appropriate diagnostic methods
- List the various types of cultural diversities (i.e., gender, age, race, ethnicity, etc.) that relate to presentation and diagnosis
- Compare medical and surgical options to select the appropriate treatment for the patient
- Counsel patients on prevention, including diet modification

GE Update: Hiatal Hernia, GERD, Gastric/Esophageal Cancer

- Follow current, evidence-based guidelines for common gastroesophageal (GE) issues
- Choose most effective treatment options for hiatal hernia and GERD to aid in prevention of gastric/esophageal cancer
- Distinguish dyspepsia from GERD
- Recognize that helicobacter infection reduces acid production and reflux symptomology
- Recognize the side effects of PPI use and choose as a treatment option, when appropriate
- Address the cultural factors which may increase risk of, or impact treatment options for, the patient with GI issues

Understanding Hepato-Pancreato-Biliary Disease

- Choose appropriate screening and imaging options to diagnose and stage hepato-pancreato-biliary diseases timely
- Identify available treatment plans for managing the care of patients with hepato-pancreato-biliary diseases
- List the role of multidisciplinary care in hepato-pancreato-biliary diseases management
- Determine which patients may be at high risk of developing hepato-pancreato-biliary diseases, taking into consideration genetics, co-morbidities, ethnicity, etc.

Fatty Liver ~ The Emerging Giant in Health Care

- Review epidemiology, risk factors and differentiating features of simple steatosis and non-alcoholic steatohepatitis
- Understand pathogenesis and potential targets for treatment of non-alcoholic steatohepatitis
- Identify both hepatic and non-hepatic complications of fatty liver

Celiac Disease

- Cite the pathogenesis of celiac disease
- Recognize the presentation of celiac disease, and diagnose patients accordingly
- Summarize the value of using antibodies and genetic testing as screening tests for celiac disease
- Develop treatment plan utilizing appropriate treatment options and resources
- Identify patients at higher risk of celiac disease taking into consideration age, gender, and patients with autoimmune diseases

GI Bleeding

- Enumerate risk factors of gastrointestinal bleeding
- Explain the ulcer classification system and how it influences treatment
- Describe the different therapeutic options for gastrointestinal bleeding

Drug Induced Liver Injury

- Define drug-induced liver injury including different classifications
- Distinguish between intrinsic and idiosyncratic drug-induced liver injury
- Explain the mechanisms of drug-induced liver injury and the effects of drug metabolism
- Identify drug-induced liver injury from other causes of chronic liver disease and define the various presentation phenotypes
- Explain the management of drug-induced liver injury

Update on Treatment – Hepatitis B+C

- Review current available hepatitis B and C therapies
- Review current treatment guidelines
- Discuss vertical transmission prevention of hepatitis B
- Discuss the prevention of hepatitis B reactivation in the setting of immunosuppression

Update on IBD Diseases

- Provide an effective assessment
- Diagnose, work up, and treat IBD diseases promptly
- Describe the evidence-based therapies available to treat patients with IBD diseases
- Examine ethnicity/gender disparities when dealing with patients with IBD diseases

CRISPR for Clinicians

- Discuss the function of CRISPR technology
- Define how it works and how it is being used in the research lab
- Discuss one or two examples of clinical applications of CRISPR to human disease for diagnosis or treatment
- Discuss some of the pitfalls of using this technology in the clinic

Genetic Cancer Risk Assessment: Who Should Be Tested

- Identify patients with potential hereditary cancer risk
- Recognize the strategies and possible outcomes of genetic testing for hereditary breast and other cancers
- Incorporate current National Comprehensive Cancer Network (NCCN) to refer patients for cancer predisposition testing, high-risk cancer screening and management

New Techniques of Genetic Analysis

- Recognize common indications for genetic testing in primary care and refer appropriately
- Cite potential benefits and challenges of initiating genetic testing in primary care
- Diagnose patients with developmental disabilities timely
- Communicate effectively with the patients and their families while navigating language and cultural barriers

Levels of Care

- List the separate levels of care
- Distinguish which levels of care are appropriate for different patient's needs, taking into account functional status, payor mix and comorbidities
- Describe case examples of different levels of care for varied patients

Delirium: Identification and Management

- Know which patients are at risk for delirium, including the importance of recognizing delirium in the elderly population
- Differentiate between delirium, dementia, and confusion
- Know how to prevent or mitigate delirium in the ICU, and how to effectively treat resulting behaviors to prevent violence
- Write a treatment plan to effectively manage delirium as a team

Geriatric Polypharmacy

- Understand medication demographics of elderly
- Discuss pharmacokinetic and pharmacodynamic changes that occur in the elderly
- Describe various types of adverse drug reactions
- Understand both economic and quality of life effects of polypharmacy
- Describe techniques in how to decrease polypharmacy in elderly

Geriatric Assessment in the Community

- Describe the changing aging demographics
- Recognize geriatric syndromes
- Share evidence-based strategies to address various geriatric syndromes and the role of comprehensive geriatric assessment

Falls and Falls Prevention

- Be able to categorize changes in mobility based upon targeted assessment and communicate possible interventions by engaging patients in the discussion
- Be able to systematically perform a medication review in cases identified as a high falls risk or in a post fall assessment
- Perform a post fall assessment, quickly, efficiently and boost coding (E/M and HCC) in routine follow up visits
- Understand the importance of using control charts to set thresholds and monitor falls incidences

Diabetes Management in Older Patients

- Be able to describe appropriate glycemic targets for older adults with variable levels of health
- Identify changes that can be made to diabetes medication regimens to reduce the risk of hypoglycemia
- Recall two relatively new technologies to improve glycemic control, decrease hypoglycemia, and potentially improve patient quality of life

Global Health

Human Trafficking

- Define the types of human trafficking
- Explain the role of the healthcare provider in recognizing and respond to trafficking victims and survivors
- Specify how to report cases or suspected cases of human trafficking
- Outline the various types of cultural diversities that may relate to human trafficking

Climate Change Impacts on Health and Health Care

- Understand the breadth of health impacts from climate change
- Identify the impact on health care
- Learn about solutions and how to take action

Pediatric Vaccinations

- Address patients' concerns about vaccinations, correcting misconceptions and providing adequate information on evidence-based benefits and risks
- Cite public health concerns faced with the increased trend of vaccination exemptions
- Follow the current recommendations for immunizations
- Navigate patients' cultural beliefs concerning vaccinations and address concerns as they arise

Hand Hygiene

- Review the scientific data regarding hand hygiene (normal bacterial skin flora, normal skin, hand transmission)
- Evaluate the relation between hand hygiene, and acquisition and transmission of health care-associated pathogens
- Review preparations used for hand hygiene and activity of antiseptic agents against spore-forming bacteria
- Evaluate current hand-hygiene practices and adhere to recommended hand-hygiene practices
- Identify cultural and/or religious factors that impact physician and HCW compliance with hand hygiene guidelines

Antimicrobial Stewardship Toolkit

- Indicate the growing threat of antibiotic resistance
- Explain the program of Antibiotic Stewardship
- Provide examples of the effectiveness of Antibiotic Resistance

Human Immunodeficiency Virus (HIV): Optimizing Treatment Strategies

- Evaluate a treatment plan and suggest modifications for improvement, taking the following into account: patient preference, adherence, pill burden, comorbidity level, and drug-drug interactions
- Develop a treatment plan that optimizes safety and efficacy using patient cases
- Describe the challenges and barriers to care associated with treating patients with HIV

HAI – Hospital Acquired Infections

- List at least three preventable healthcare-acquired conditions
- Categorize healthcare-acquired infections vs. community-acquired ones
- Identify symptoms for CAUTI, CLABSI, C-Diff
- Implement strategies to prevent healthcare-acquired infections
- Take cultural-linguistic factors into account when pre-screening patients for infections before surgery and when discussing infection risks and prevention strategies

Antiviral Treatment Update

- Describe the indication for the use of antiviral medications
- Evaluate the use of antiviral medications for the treatment of HIV
- Evaluate the use of antiviral medications for herpes, hepatitis and influenza
- Understand the current investigation into the use of antiviral medications for COVID-19

Foodborne Illnesses

- Identify the major causes of foodborne illness and how food gets contaminated
- Understand what can be done on an individual level to help keep food safer
- Understand for which patient subgroups food safety is most important

Lyme Disease

- Explain when, where and how people are exposed to Lyme disease
- Review how Lyme disease epidemiology impacts diagnostic test interpretation
- Report cases of Lyme disease appropriately and timely
- Treat patients appropriately
- Provide and communicate effective tick bite prevention and tick bite removal information to patients, taking into consideration their level of health literacy

Nephrology & Hypertension

Chronic Kidney Disease

- Describe how to calculate an estimation of glomerular filtration rate
- List the implications of different stages of CKD on patient health
- Actively engage as primary care providers in the management of chronic kidney disease
- Review new evidence regarding the management of CKD
- Cite the cultural considerations related to the prevalence of CKD

Acute Kidney Injury

- Identify pathophysiology and types of acute kidney injury (AKI)
- Identify patients at risk of, and with AKI
- Manage patients with AKI appropriately
- Refer patients with AKI to a specialist, when needed
- Recognize patients at higher risk for AKI, such as the geriatric population and patients with other comorbidities

Nephrotic Syndrome

- Diagnose patients with kidney disease timely
- Choose appropriate treatment/medication options
- Manage kidney disease appropriately
- Identify complications of kidney disease promptly, to prevent further (avoidable) complications
- Recognize patients at higher risk for kidney diseases, such as women and certain ethnic groups

Continuous Renal Replacement Therapy

- Review principles of continuous venovenous hemodiafiltration (CVVHDF)
- Understand differences between CVVHDF and standard hemodialysis
- Identify clinical situations where use of CVVHDF may be beneficial

New Blood Pressure Guidelines

- Understand and avoid common errors in measurement of blood pressure
- Discuss the latest guidelines for blood pressure management
- Understand how these guidelines direct care of individual patients

Renal Failure in Liver Disease

- Describe the ways in which liver disease can lead to renal failure
- Understand the pathophysiology of hepatorenal syndrome
- Use the literature to guide treatment choices for hepatorenal syndrome

Guillain-Barré Syndrome (GBS)

- Understand the immunologic basis of GBS
- Recognize typical signs, symptoms, and laboratory and electrophysiologic findings of GBS
- Utilize appropriate treatment and supportive care in patients with GBS
- Discuss the incidence of GBS in COVID-19 patients

Brain Repair After Stroke

- Name three growth-related changes that spontaneously arise in the brain after an ischemic infarct
- Name three categories of restorative therapy under investigation that aims to improve patient outcome and are introduced > 24 hours after stroke onset
- Name three ways that patients with stroke can be distinguished in terms of their ability to improve with therapy

Approach to Neuropathy

- Discuss types and patterns of neuropathy
- Discuss diagnostic approach and procedures
- Review treatment methods
- Work through 2 cases with nerve conduction studies/ EMGs

Dementia

- Describe current biological models of Alzheimer's
- Discuss key elements of differential diagnosis
- Implement appropriate interventions and discuss appropriate expectations with patients

Migraines

- Learn how to appropriately and effectively diagnose and treat migraines
- Evaluate emerging therapies for the treatment and prevention of a chronic migraine headache and anticipate their place in therapy
- Identify migraine management issues specific to women and pediatric patients
- List migraine risk factors and how to avoid them, including diet and lifestyle modifications

Treatment Updates in Parkinson's Disease

- Describe the available medical treatment options in Parkinson's
- Recognize the role of deep brain stimulation in the treatment of Parkinson's and when to consider advanced surgical treatments for PD
- Describe the role of non-pharmacological therapies for PD such as exercise
- Identify upcoming clinical trials in the treatment of PD

Peripheral Neuropathy

- Follow current guidelines for peripheral neuropathy
- Diagnose, treat, and manage peripheral neuropathy appropriately
- Refer timely to a specialist
- Overcome health literacy challenges when communicating with patients about expectations and treatment options

Brain Injury Guidelines

- Review recommendations from BIG
- Review indications for admission and neurosurgery consultation for brain-injured patients
- Discuss implications in managing multisystem trauma patients

Diet and Disease Connections

- Understand the history of nutrition recommendations, dietary patterns, and chronic disease
- Describe the connection between weight, metabolic syndrome, and chronic disease
- Appreciate the role of the microbiome in disease
- Recognize the effects of nutrition on the microbiome and specific disease states (CVD, NAFLD, diabetes, cancer, etc.)

Weight Loss Diets

- List different diets and their pros and cons
- Determine which method or methods are better for long-term health of patient
- Identify proper candidates for surgery and refer appropriately
- Counsel patients on adequate nutrition and weight loss options taking into age and ethnicity, and obesity into consideration

The Role of Nutrition in Cancer Prevention

- Describe how a low fat diet may reduce the incidence of ovarian cancer
- Review evidence that low vitamin D levels are associated with a 2 to 3 fold increased risk for lung cancer in non-smokers
- Review data that a diet high in Omega 3 (fish oil) may reduce one's risk for breast cancer

Nutrition in Pregnancy

- Describe important nutritional needs in the preconception period
- Describe basic nutritional needs during pregnancy
- Identify special nutritional needs for specific patient populations or medical conditions

Polycystic Ovary Syndrome: It's Not That Complicated

- Define the criteria for diagnosis of PCOS
- Distinguish the different phenotypes of PCOS and describe their different long-term health risks
- Explain how to develop patient-centered treatments for women with different manifestations of PCOS

Estrogen Replacement Therapy

- Counsel women about the endocrinologic changes that occur during perimenopause and menopause
- Identify any differences seen in different ethnic groups – both physiologically and culturally
- Describe how those changes can affect current symptomatology and long-term health
- Outline therapeutic options from lifestyle changes to over-the-counter medications to prescription drugs (nonhormonal and hormonal) for each of the manifestations of perimenopause and menopause

Recurrent Pregnancy Loss

- Define recurrent pregnancy loss
- Identify etiologies of recurrent pregnancy loss and describe evaluation
- Explain management options of recurrent pregnancy loss

Update on Management of Gestational Diabetes

- Compare and contrast different management options for gestational diabetes (GDM)
- Distinguish between the two commonly used screening strategies for GDM
- Identify the adverse perinatal outcomes that can be associated with GDM

Breast Cancer Screening and Prevention

- Implement current screening guidelines for patients
- Identify risk factors and incidence among various patient populations
- Identify candidates for chemoprevention and counsel them on its effectiveness
- Utilize the information learned of ethnic disparities in breast cancer and be aware of the highest incidence of breast cancer in White women and the highest rate of breast cancer death in African American women

Preventative Medicine Screening Guidelines for Women's Health

- Follow current, evidence-based guidelines for preventative medicine screening, such as PAP smear, mammogram, etc.
- Communicate effectively with women of lower income and socioeconomic status regarding the importance of screening, prevention, and treatment

Oncology

New Treatments for Multiple Myeloma

- Know indications for initiating treatment
- Utilize current management for multiple myeloma for all ages, genders and ethnicities
- Define the role of autologous transplant and when to send patients to the oncologist

Cervical Cancer

- List the current guidelines for cervical cancer screening
- Follow the principles of primary treatment for cervical cancer, including surgery and chemoradiation
- Identify treatment options for metastatic and recurrent cervical cancer
- Navigate cultural, religious and other concerns patients may have

What You Should Know About Head & Neck Cancer

- Review the epidemiology and summarize types, symptoms, and pathophysiology of head and neck cancer
- Detect head and neck cancer, using the latest screening and diagnostic mechanisms
- Stage accurately and initiate risk assessment planning for the patient
- Evaluate the multidisciplinary treatments and management options to include benefits and long-term and short-term side effects
- Follow the indications for patient selection for head and neck surgery
- Identify patient populations at higher risk for head and neck cancer

Treatment of Lung Cancer

- Be familiar with the recent changes in lung cancer screening guidelines
- Identify the different types of lung cancer and their staging systems
- Describe the various treatment modalities, including Immune Therapy and the new palliative interventions for lung cancer patients

New Guidelines for Colon Cancer Screening & Management

- Examine the epidemiology and risk factors in regard to colon cancer
- Diagnose and clinically stage colon cancer in the primary care setting
- Utilize chemotherapy drugs in the adjuvant and metastatic setting of colon cancer
- Apply new research and developments in colon cancer for screening and treatment
- Recognize the different clinical, socioeconomic, health literacy, language, and communication factors which impact patients from getting the care that is needed

Immunotherapy Side Effects

- Define immunotherapy and its mechanism of action of PDL-1 inhibitors
- Briefly summarize role of immunotherapy in lung cancer (PDL-1+ vs PDL-1 neg)
- Define and describe immune-related adverse effects
- Discuss management of immune related AE, by grade

Workup of Anemia

- List a differential diagnosis for anemia
- Complete an initial anemia work up
- Differentiate iron deficiency anemia from other types of anemia
- Decide when to transfuse blood

Otolaryngology

Acute Sinusitis and Rhinosinusitis in Adults

- Evaluate the risk factors associated with sinusitis
- Differentiate acute from chronic sinusitis
- Discuss common manifestations of acute and chronic sinusitis
- Highlight workup and diagnostic testing for acute and chronic sinusitis
- Summarize the appropriate medical and surgical treatment options

Sleep Disorders

- Recognize the prevalence of sleep deprivation and sleep disorders in the United States and optimal sleep needs for different age groups
- Identify the causes of sleep loss specific to children, adolescents, adults and the elderly
- List health and safety consequences of insufficient sleep in the different age groups

Practical Problems in Pediatric ENT

- Understand the different types of respiratory noises and the most common conditions that cause them
- Understand management and etiology of nosebleed
- Describe the complications of acute otitis media and how to recognize and manage them

Sugarproof: The Hidden Dangers of Sugar that put Children at Risk

- Review sources of sugar in the diet and ubiquitous nature in the food supply
- Recognize names of 200+ names for sugar used as food ingredients and how they differ
- Understand differences between different types of low calorie sweeteners and effects on the body
- Review effects of different sugars on the body including kids including brain development, learning and memory, emotional behavior, gut problems, fatty liver disease, stype 2 diabetes and cardiovascular health
- Discuss lifecourse effects of different sugars and how they affect gestational development through to healthy aging
- Discuss strategies for reducing sugar in children

Acute Flaccid Myelitis

- Recognize the clinical presentation of Acute Flaccid Myelitis (AFM)
- Review the current epidemiology of AFM in the United States
- Evaluate diagnostic testing and treatment options for AFM
- Identify populations with highest incidence of diagnosis

Pediatric Trauma Radiology

- Understand the role of X-Rays, CT and MR in the evaluation of childhood head and spine trauma
- Appreciate the imaging appearances seen in various types of injury to the head in spine in children
- Be aware of red flags suggesting non-accidental trauma in children

Neonatal Sepsis

- Incorporate current recommendations for obstetrical and neonatal approach to prevention and treatment of newborns at risk for early onset sepsis
- Integrate early onset sepsis calculator in differentiating relative risk and need for newborn antimicrobial treatment
- Recognize limitation of laboratory testing in newborns at risk for early onset sepsis
- Compare and contrast risks and pathophysiology of early onset sepsis from late onset sepsis

Vaping & Smoking in Adolescents and Their Parents

- Identify vaping and smoking trends in adolescents
- Describe the health risks of vaping
- Describe risk factors for vaping and smoking in adolescents and how to recognize adolescents with high dependence
- Discuss how to approach vaping and smoking in adolescents and choice of treatment for those with high dependence
- Choose treatment plans for parents who smoke based on examples

Concussion and Mild Traumatic Brain Injury (TBI) - Diagnosis Neurocognitive Testing and Other Tools

- Review the current definition of concussion and mild TBI
- Review tools for recognition and diagnosis of concussion in the field, Emergency Room setting, PCP offices, and specialty practices
- Discuss the validity of the ACE SCAT5 ImPACT Pediatric ImPACT King Devick and other assessment tools
- Review the indications for more formal neuropsychological testing in both children and adults

Pain & Fear: A Mechanistic Link to Sickle Vaso-occlusion

- Describe the major complications of sickle cell disease and the mechanism of organ damage
- Explain the complex factors involved in sickle cell pain crisis and the importance of distinguishing nociceptive pain and neuropathic pain and role that narcotics play in making pain worse
- Identify current new treatments in SCD including curative approaches

Vaccines and Herd Immunity

- Illustrate the different technologies used for the creation of vaccines
- Explain why certain vaccines are necessary for adulthood
- Address difference in vaccine needs to be based on age, health conditions, job, lifestyle, or travel habits

GI Disorders in Children

- Identify risk factors and symptoms for GI disorders
- Screen and diagnose pediatric patients timely and appropriately
- Employ appropriate treatment options
- Identify patient populations that are at higher risk in order to diagnose and treat timely, while navigating language barriers with patients and their parents

Update on Kawasaki's Disease

- Appropriately diagnose Kawasaki's Disease (KD)
- Understand the epidemiology and current hypotheses regarding the etiology of KD
- Manage the acute illness and long-term consequences of KD

Psychiatry

Beyond Seizures: Comorbidities and Psychosocial Aspects of Epilepsy

- Describe the epidemiology of epilepsy
- Articulate how seizure frequency impacts quality of life
- Enumerate factors that contribute to quality of life in epilepsy, including comorbidities and psychosocial aspects
- Identify and describe management of psychiatric conditions that commonly accompany epilepsy and can impede quality of life

Psychiatric Uses of Ketamine

- Define agitation and describe the goals of treatment
- Describe the mechanism of action of ketamine and its physiological and psychological effects
- Identify conventional treatments for acute agitation and contrast them with ketamine

Suicide Risk and Prevention

- Review current practice gaps in recognizing suicide in primary care settings
- Cite warning signs versus risk factors for suicide
- Identify areas where there is scope for intervention for known risk factors for suicide
- Incorporate evidence-based recommendations for evaluation of suicidal ideation, plan, means, and intent to assess suicide risk and refer appropriately
- Consider how cultural aspects may affect prevalence, diagnosis, treatment plans, etc. and navigate these issues effectively

Psychiatry for Non-Psychiatrists

- Identify symptoms and utilize the latest diagnostic tools to assess mental disorders
- Refer patients appropriately to a psychiatric specialist or community resource
- Recognize how cultural factors may affect prevalence, diagnosis, treatment plans, etc. and navigate these issues effectively

Addressing Barriers to Optimal Care in Schizophrenia with Pharmacotherapy

- Describe the ways in which understanding of schizophrenia neuropathology has changed and pair that knowledge with treatment mechanisms
- List present and emerging treatment options for schizophrenia, including those targeted at negative symptoms and apply them to patient cases using evidence-based medicine
- Prioritize agents from both first- and second-generation antipsychotics, given a patient case and using patient-centered decision making
- Describe challenges to the successful management of schizophrenia relating to treatment adherence and develop corresponding solutions

Anxiety Disorders for the Primary Care Physician

- Identify the signs and symptoms of anxiety disorders
- Evaluate psychological, biological, and sociological factors influencing anxiety behaviors
- Employ appropriate treatment interventions
- Refer to a specialist, when necessary
- Apply strategies and techniques to help patients manage their anxiety
- Assess cultural considerations of patients with anxiety disorders

Evaluation and Treatment of Mood Changes in the Postpartum

- Understand the prevalence of mood disorders following pregnancy
- Be aware of treatment strategies for postpartum depression
- Understand the safety data regarding infants' exposure to antidepressants through breast milk

Assessing and Managing Cancer Related Psychological Distress

- Assess for psychological distress in patients suffering with cancer
- Identify risk factors for psychological distress among patients with cancer
- Apply evidenced based interventions to effectively manage psychological distress

Primary Care Treatment for Depression

- Apply guidelines for screening and diagnosing depression in primary care
- Apply practice guidelines for the treatment of patients with depression
- Discuss new and alternate therapeutic options for depression

Physician Well-being: Mindfulness Based Stress Reduction – Health Benefits and Mechanisms of Action

- Evaluate the origin of stress in the medical practices
- Review ways to cope with stress in medical practice
- Examine the causes of physician distress
- Assess the treatment options for anxiety and mood conditions for physicians

Sedation and ECMO

- Recognize why people breathe so fast when co₂ and o₂ are ok
- Review what drugs work and don't and how to get the patient awake and cooperative quickly
- Summarize use of continuous muscle relaxation
- Identify possible candidates for ECMO

Ventilator-Associated Pneumonia

- Discuss the incidence, etiology and risk factors for ventilator-associated pneumonia
- Describe symptoms, pathophysiology and diagnostic tests
- Review effective strategies for prevention & treatment based on clinical guidelines
- Recognize that preventing ventilator-associated pneumonia improves patient care outcomes & decreases healthcare costs
- Appropriately care for patients with increased risk of VAP, such as the elderly patient and very young patient

Asthma

- Recognize and diagnose asthma appropriately
- Follow the recommended guidelines for the management of asthma
- Provide appropriate recommendations for in-patient vs. outpatient care
- Tailor treatment plan according to patient's age and co-morbidities, health literacy level, and socioeconomics

Pulmonary Arterial Hypertension

- Be familiar with the recent changes in the guidelines
- Understand the non-specific symptoms associated with pulmonary hypertension and how to identify patients early
- Diagnose the different categories and treat accordingly

Ethical Cases in the Critically Ill

- Identify ethical issues that arise during the care of critically ill patients
- Understand the resources available to assist in the handling of ethical cases in the critically ill
- Explain the medical-legal complexities in caring for critically ill patients
- Discuss the impact of ethical issues in the daily care of our patients

Insomnia

- Discuss the incidence, classification and diagnosis of insomnia
- Identify common factors that contribute to insomnia
- Compare the pharmacologic activity, advantages, and adverse effects of the prescription hypnotic agents
- Discuss the role of new formulations of hypnotic agents in treating of insomnia
- Evaluate appropriate hypnotic drug therapy in regards to other pharmacologic therapy or comorbidities

Rheumatoid Arthritis

- Recognize patients who may have early rheumatoid arthritis
- Evaluate patients with rheumatoid arthritis
- Manage patients with rheumatoid arthritis
- Identify cardiovascular risk factors in those with rheumatoid arthritis

How to Evaluate a Patient who has Multiple Aches and Pains

- Review the types of pain
- Describe the use of history and physical exam
- Discuss the use of laboratory evaluation
- Identify management options for chronic pain

Lupus

- Employ strategies for earlier diagnosis of lupus
- Summarize warning signs that require referral to a rheumatologist
- Refer to rheumatologist appropriately
- Employ measures to monitor disease activity and treatment in patients with moderate to severe disease
- Recognize the racial and ethnic health disparities in systemic lupus erythematosus to address and reduce these disparities

Chemical Prophylaxis in DVT/VTE

- Describe current recommendations of chemical prophylaxis to treat DVT/VTE (Medical and Surgical)
- Identify risks and benefits of chemical prophylaxis
- Discuss chemical prophylaxis as prevention of DVT

Anticoagulation: The New, The Old and Reversals

- Cite the pros and cons of each anticoagulant drug
- Differentiate between the various anticoagulant drugs
- Follow the indications for appropriate use of reversal agents
- Select the proper medication for the patient's therapeutic needs, taking into consideration any socioeconomic barriers
- Communicate the importance of following the medication instructions given while navigating any cultural, health literacy, and language barriers

Surgical Site Infection

- Define surgical site infection (SSI) and identify risk factors for SSI in general and colorectal surgery
- Describe the components of prevention bundles to decrease SSI
- Review examples of programs that successfully reduced SSI

How to Declare Brain Death and Organ Donation

- List the criteria for declaring brain death
- Identify rules and regulations regarding referral for organ donation
- Describe the process of organ and tissue donation and transplant

ERAS

- Define the ERAS Protocol
- Provide enhanced patient care appropriately
- Educate patients preoperatively and postoperatively to obtain the best results after surgery

Skin Care in the Paralyzed, Debilitated, Bedridden Patient

- Recognize the importance of skin risk assessment to put preventable measures in place to prevent a pressure ulcer
- Consider the skin care complications that impact spinal cord injury patients
- Treat patients with pressure ulcers appropriately
- Educate patients about proper skin care, nutrition, and preventative care

Urology

Prostate Cancer

- Describe the incidence of prostate cancer, including its increase with age and occurring more often in African American men than in men of other races
- Select appropriate screening and diagnostic techniques
- Identify risk factors associated with prostate cancer
- Compare and choose effective treatments

Erectile Dysfunction

- List the major causes of erectile dysfunction (ED)
- List the important components of the history when interviewing a patient with ED
- Outline the important components of the physical exam of a patient with ED
- List the treatment options for erectile dysfunction and describe the mechanisms by which they work
- Describe when a patient with ED should be referred to a urologist