

**Palm Springs' Oasis in the Desert 2021 Encore Symposiums: February 15-18, 2021
Learner Assessment and Program Evaluation**

Name: _____

AANA ID#: _____

Indicate your level of achievement for each learner objective on the rating scale.

Rate on the following scale: 1=Poor, 2=Below Average, 3=Average, 4=Above Average, 5=Excellent

Rating 1 to 5

Lecture 01 - Review of Basic Pharmacology Concepts - T. Wicks

- Compare and contrast Phase I and Phase II metabolic drug reactions.
- Discuss the factors influencing drug uptake and distribution of drugs.
- Describe the influence of ionization and pKa on drug distribution.
- Discuss the characteristics of a simple 3 compartment pharmacokinetic model.
- Compare and contrast elimination half time and context sensitive half time.
- Compare and contrast ligand gated, voltage gated, and G protein gated ion channels.
- Discuss the factors influencing Minimum Alveolar Concentration.
- Overall rating of topic and facilitator during this lecture.

Lecture 02 - The Pharmacology and Toxicology of Local Anesthetics - T. Wicks

- Discuss the factors influencing the potency of local anesthetic agents.
- Compare and contrast the metabolic pathways of ester and amide based local anesthetics.
- Describe the symptoms and treatment of local anesthetic toxicity.
- Overall rating of topic and facilitator during this lecture.

Lecture 03 - Lidocaine: More than a Regional Anesthetic - C. Frederick

- Describe the physiologic mechanism by which local anesthetics exert an anti-inflammatory affect.
- Discuss research evidence for its efficacy.
- Describe systemic local anesthetic use as part of a multimodal pain plan.
- Overall rating of topic and facilitator during this lecture.

Lecture 04 - The Business of Anesthesia: Know Your Value - S. Wooden

- Examine the Epidemiology of High Consequence Pathogens.
- Discuss the environmental considerations for optimal containment.
- Review the pathology of COVID.
- Discuss ventilatory management strategies for the treatment of COVID.
- Overall rating of topic and facilitator during this lecture.

Lecture 05 - COVID-19 History, Pathophysiology and Management - K. Driscoll

- Outline the historical and epidemiological perspectives of COVID.
- Describe the pathological progression of COVID.
- Identify key management strategies.
- Outline current clinical trials for COVID as well as completed trials and outcomes.
- Overall rating of topic and facilitator during this lecture.

Lecture 06 - Bonus Credit: NBCRNA / CPC (Continued Professional Certification) Update - K. Driscoll

- Describe the background and rationale for the CPC program for nurse anesthetists.
- List the components of the NBCRNA/CPC program for nurse anesthetists.
- Describe the timeline for implementation of the NBCRNA/CPC program for nurse anesthetists.
- Overall rating of topic and facilitator during this lecture.

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Rating 1 to 5

Lecture 07 - What is the Future of Medicine: From Those Mandated to Create It - K. Driscoll

Provide background to medical research and clinical trials.
Describe cancer treatment advances and future through TIL harvest and Car-T Therapy.
Provide background on the Undiagnosed Disease Program.
Outline Airway related clinical trials to include HPV.
Demonstrate how CRNAs can lead as advocates for our patients and families.
Overall rating of topic and facilitator during this lecture.

Lecture 08 - Review of Neuromuscular Blockade Pharmacology - T. Wicks

Describe the physiologic events of neuromuscular transmission.
Compare and contrast the characteristics of depolarizing and non-depolarizing neuromuscular blockade.
Discuss monitoring and antagonism of neuromuscular blockade.
Overall rating of topic and facilitator during this lecture.

Lectures 09 & 10 - Review of the Physiology and Pharmacology of Coagulation, Hematologic Disorders, and Blood Component Administration - T. Wicks

Discuss the components and steps of normal hemostasis.
Describe the role the coagulation cascade in limiting the scope of coagulation.
Compare and contrast the pathophysiology and pharmacological preparation of patients with hemophilia A & B, and von Willibrand disease.
Compare and contrast the pathophysiologic and pharmacological implications of type I and type II heparin induced thrombocytopenia.
List the common disorders of hypercoagulability.
Describe the common complication associated with blood product administration.
Overall rating of topic and facilitator during this lecture.

Lecture 11 - A Review of Valvular Heart Disease and Anesthesia - C. Frederick

Describe normal physiology as it pertains to valve function.
Identify the etiologies, pathophysiology and anesthetic modifications required to care for patients with mitral stenosis, aortic stenosis, mitral regurgitation and aortic regurgitation.
Review general risks associated with non- cardiac surgery in patients with VHD.
Provide a brief review of normal physiology as it pertains to valve function.
Review the pathophysiology and common anesthetic modifications required to care for patients with mitral stenosis, aortic stenosis, mitral regurgitation and aortic regurgitation.
Overall rating of topic and facilitator during this lecture.

Lecture 12 - NPO: Or Why We Starve Our Patients Before Surgery - S. Wooden

Identify the evidence surrounding the use of common pharmaceutical agents for the prevention of aspiration.
List at least five aspiration risks for anesthesia.
Overall rating of topic and facilitator during this lecture.

Lecture 13 - Anesthesia and Cancer Recurrence: What We Do MATTERS - C. Frederick

Discuss the physiology and pathophysiology of micrometastasis and cancer recurrence.
Discuss the concept of risk management and how it applies to airway management.
Discuss current evidence for best practice in the administration of anesthesia to cancer patients.
Overall rating of topic and facilitator during this lecture.

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Rating 1 to 5

Lecture 14 - Extubation: The Less Studied, Potentially More Treacherous Part of Airway Management - C. Frederick

Review the risks associated with tracheal extubation.
Review the common causes of post-operative ventilatory failure.
Discuss the increased extubation risk associated with OSA and residual paralysis.
Review current evidence regarding techniques and practices used during extubation.
Overall rating of topic and facilitator during this lecture.

Lecture 15 - Everything, Everyone Should Know About Pain Management - S. Wooden

Identify two common anesthetic/pain management pharmaceutical agents that might help prevent chronic pain.
List at least three substances that are released when tissue is damaged.
Describe how opioid and non-opioid pain pharmaceutical agents can be used to interrupt the progression of "windup".
Identify the key difference between neuropathic and non-neuropathic pain.
Overall rating of topic and facilitator during this lecture.

Lecture 16 - Exparel in Peripheral Nerve Blocks and Plane Nerve Blocks - S. Wooden

Review the pharmacology of Exparel.
Describe the proper way to administer and dose Exparel.
List and identify the FDA guidelines with Exparel and the drugs approved to be administered with Exparel.
List and identify peripheral nerve blocks being used with Exparel.
List and identify plane nerve blocks being used with Exparel.
Discuss results seen with Exparel being used in peripheral nerve blocks.
Overall rating of topic and facilitator during this lecture.

Lecture 17 - Divergent Thinking and Big Data: Leading to Better Outcomes - K. Driscoll

Outline theories of Convergent v. Divergent thought process.
Outline the relationship between culture and clinical outcomes.
Describe the use of adaptive, cohort formations and technical changes to prevent surgical site infections.
Provide background on an emerging technology, Geographic Information Systems (GIS) and how it will shape healthcare delivery in the future.
Demonstrate a novel application of GIS to uncover hidden truths to inform health policy and planning.
Overall rating of topic and facilitator during this lecture.

Lecture 18 - Legal Conundrum from a CRNA Witness - K. Driscoll

Outline two common closed claims database events for CRNAs.
Explain the pathophysiology of each event.
Outline Pharmacologic interventions.
Describe pharmacologic and documentation standards to ensure quality care.
Identify why one drug will not treat all nausea problems.
Outline a multimodal pharmacological approach.
Overall rating of topic and facilitator during this lecture.

Lecture 19 - An Update on Peri-operative Visual Loss - C. Frederick

Describe the occurrence and types of Peri-Operative Visual Loss.
Discuss current understanding of the pathophysiologies involved in POVL.
Identify patient and procedure specific risk factors for POVL.
Discuss evidence-based prevention and treatment strategies for POVL.
Overall rating of topic and facilitator during this lecture.

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Rating
1 to 5

Lecture 20 - Multimodal Anesthesia Strategies: Narcotic Sparing Techniques - C. Frederick

Identify the continuing challenges in post op pain management.
Describe the newer concepts of the complex biochemistry involved in pain transmission.
Discuss existing data supporting practice changes: "Preventive analgesia", Multimodal therapy.
Identify system changes which might diminish narcotic use in surgical patients.
Overall rating of topic and facilitator during this lecture.

Lecture 21 - Advanced Airway Management for High Consequence Pathogen COVID - K. Driscoll

Examine the Epidemiology of High Consequence Pathogens.
Discuss the environmental considerations for optimal containment.
Review the pathology of COVID.
Discuss ventilatory management strategies for the treatment of COVID.
Overall rating of topic and facilitator during this lecture.

Lecture 22 - Midazolam and Romazicon: An Excellent Partnership - S. Wooden

Describe the role of pharmaceutical synergism in identifying the risks of Midazolam.
List at least one of the potential side effects of romazicon.
Identify why midazolam reversal is superior to opioid reversal.
Overall rating of topic and facilitator during this lecture.

Lecture 23 - Cryoanalgesia: An Alternative Pain Management Technique - S. Wooden

Review the anatomy most commonly treated with cryoanalgesia.
Describe the mechanism of action of cryoanalgesia and the expected duration of action.
Discuss the current use of cryoanalgesia and the potential future use.
Review frequently asked questions about cryoanalgesia.
Overall rating of topic and facilitator during this lecture.

Overall Assessment

Indicate your level of achievement for each statement on the rating scale.

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Rating
1 to 5

The facilitators were effective in presenting the material.
Teaching methods were effective.
The program content was related to the objectives.
My personal learning objectives were met.
Physical facilities facilitated learning.

State one item you learned that will improve your nurse anesthesia practice.

State any barriers to implement this change.

What future topics would you like presented?
