

OUTLINE

Endocrine and Metabolic Problems

- Pituitary disorders
- Hypoglycemia
- Free radicals — Essential in health, deadly in disease
- Diabetic ketoacidosis
- Apoptosis
- Adrenal gland dysfunction
- Addison's disease
- Jaundice
- Implications of hormones
- Thyroid disorders - Mechanism of onset affects treatment

Cardiovascular and Renal Problems

- Starling's Law - Normal capillary flow
- Heart failure
- Relationship between cardiac diseases and hypertension
- Unraveling hypertension
- Current concept on cardiogenic shock
- Atherosclerosis - The role of inflammation
- Anaphylaxis
- Acid-base disorders

Respiratory Problems

- Chronic obstructive pulmonary disease exacerbations
 - Obstructive lung diseases affecting the mechanics of lung ventilation
 - Sudden death in asthma
 - Acute lung failure/ARDS
 - Arterial blood gases - Made simple
- ### Shock
- Common mechanisms of all types of shock
 - The cardinal role of mediators in shock
 - Newer therapies based on current pathophysiological understanding
 - End points of resuscitation
 - What type of shock is this?

The Immune System

- Inflammation - Acute phase response
- Systemic inflammatory response
- Infection – Part of a bigger picture
- Multiple organ dysfunction syndrome
- Stress reaction
- Autoimmune diseases

OBJECTIVES

1. Using clinical examples, explain the statement: "Virtually all human disease is 'autoimmune' in nature."
2. Outline an effective method to review options in pharmacologic therapy for any condition.
3. Identify the self-destructive spiral of progressive chronic heart failure.
4. Explain how the following drugs may abort or reverse the self-destructive spiral of heart failure: beta-blockers, angiotensin converting enzyme (ACE) blockers, angiotensin-receptor blockers (ARBs), aldosterone blockers, synthetic natriuretic proteins.
5. Describe why the statin drugs significantly reduce a person's risk of cardiovascular disease (MI and stroke), regardless of the serum cholesterol level.
6. Describe the mechanism underlying death in asthma and identify a way to prevent it.
7. Apply the "Three Question Approach" to interpretation of arterial blood gases.
8. State and understand the "common mechanism" for shock, regardless of the initial cause.

CANCELLATION POLICY: If you contact us before the event date, you can exchange for a DVD or CD/digital manual package on the subject (self-study continuing education credit may be available), a certificate to attend another seminar, or receive a tuition refund less a \$30 cancel fee. Substitutions are permitted at any time.



Target Audience: Nurses • Nurse Practitioners • Clinical Nurse Specialists
Paramedics • Physical Therapists • Occupational Therapists

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Understanding Pathophysiology

Its Direct Impact on Patient Care

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Understanding Pathophysiology

Its Direct Impact on Patient Care

Featuring

Angelica F. Dizon, MD, MSN, MBA-HCM, BSN, RN, NP-C
Nationally Recognized Speaker

Improve your assessment skills and learn:

- Why are free radicals deadly in disease?
- What is the role of inflammation in atherosclerosis?
- Which drugs reverse heart failure?
- What is the common denominator for obstructive lung disease?

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Understanding Pathophysiology

Its Direct Impact on Patient Care

Few things in health care have as direct an impact on patient care as pathophysiology – the “whys” of what happens during disease and what we must do to treat it. If you know your pathophysiology, you can provide an accurate, speedy assessment and treatment for your patient.

Just about every potentially serious condition has a “trigger point.” Once this point is reached, a fairly uniform and predictable set of events occurs – mediators are released, causing worse events to take place. The result, left untreated, is multiple organ system dysfunction, multiple organ system failure, cardiac failure, then death. The seminar will apply this straightforward model to many important medical conditions. Understanding the “whys” behind these events enables us, as health care practitioners, to best assess the patient and intervene in a timely and effective manner. By the end of the day, you’ll have a thorough understanding of these principles and will know how and when to properly apply them.

SPEAKER

Angelica Dizon, MD, MSN, MBA-HCM, BSN, RN, NP-C, is a physician, advanced care practitioner and a registered nurse, with more than two decades of experience in clinical practice. Angelica currently serves as the director of clinical services in one of the leading home healthcare agencies in Maryland. She has extensive past experiences both in the acute care and long term care settings as well. Her diverse experiences provide her with unique perspectives on the importance of an in-depth understanding of pathophysiology. As a clinician, she sees complicated patient cases that require a keen understanding of overlapping disease processes. Angelica enjoys sharing her expertise and excels at putting complex topics in to a plain English approach. As such, she is a sought-after presenter, sharing her vast knowledge with experienced interdisciplinary audiences across the country.

Speaker Disclosure:

Financial: Angelica F. Dizon is a faculty member for Radians College. She receives a speaking honorarium from PESI, Inc.

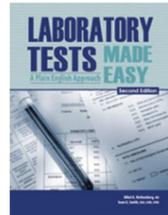
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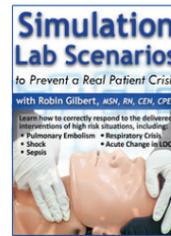
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By Robin Gilbert, MSN, RN, CEN, CPEN

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UNDERSTANDING PATHOPHYSIOLOGY

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