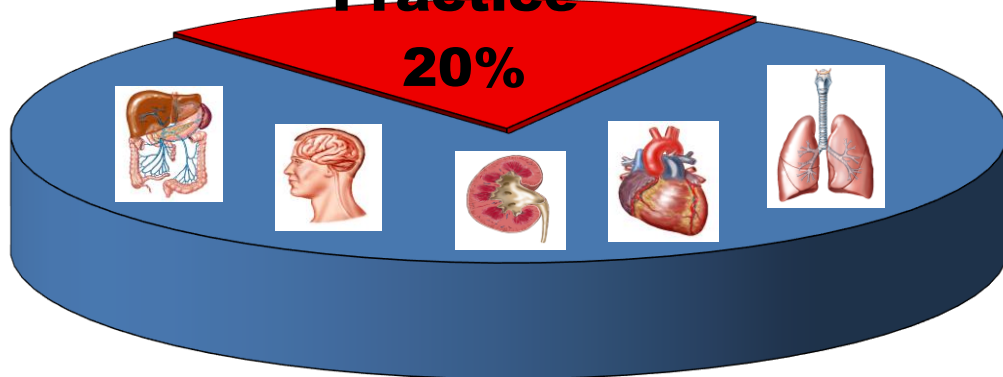


# **2 Day CCRN Review Course**

## **Hagerstown Community College**

**Caring & Ethical  
Practice**

**20%**



**Clinical Judgment 80%**

# **March, 2015**

**Carol A. Rauen, RN-BC, MS,  
CCNS, CCRN, PCCN, CEN  
Independent Clinical Nurse Specialist  
& Education Consultant  
The Outer Banks of North Carolina**

# **CCRN Review Course**

## **Course Description**

This two day intense critical care review course is intended for nurses who are planning to take the AACN-CCRN/CCRN-E/CCRN-K certification exam or as a clinical practice review seminar. The lectures and time allotment are based on the CCRN exam 2010 blueprint and will cover all body systems, physiology, pathophysiology, assessment strategies and treatment options for medical and surgical critically ill patients. This course will benefit those who have critical care experience and need/want a clinical update and review of latest best practice and those who have studied and need/want a final review prior to taking the CCRN certification exam. This seminar is not intended as a basic critical care course and is recommended for nurses with at least one year of critical care experience and prior completion of a basic critical care course.

## **Course Objectives**

By the completion of this two day intense course the nurse will be able to:

1. Identify the common critical care needs of patients with single and multi system organ abnormalities.
2. Outline assessment strategies and treatment options for common critical care problems.
3. Review the pathophysiology for single and multi-system dysfunction and discuss the pharmacological management for each.
4. Describe the AACN synergy model of caring and blueprint for the CCRN certification exam.

**2015**

**Carol A. Rauen, RN-BC, MS,  
CCNS, CCRN, PCCN, CEN  
Rauen.carol104@gmail.com**

**104 Queen Mary Ct**

**Kill Devil Hills, NC 27948**

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## **Schedule**

### **Day One**

8:00 – 9:15	CCRN/CCRN-E Exam and Test Construction Cardiovascular
9:15 – 9:30	Break
9:30 – 11:30	Cardiovascular
11:30- 12:30	Lunch
12:30 – 2:15	Neurological
2:15- 2:30	Break
2:30 – 3:30	Professional Caring & Ethical Practices AACN Synergy Model
3:30 – 4:30	Endocrine & Hematology/Immunology

### **Day Two**

8:00 – 9:15	Pulmonary
9:15 – 9:30	Break
9:30 – 10:45	Pulmonary
10:45 – 11:30	Behavioral
11:30- 12:30	Lunch
12:30 – 1:30	Renal
1:30 – 2:30	Gastrointestinal
2:30 – 2:45	Break
2:45 – 4:30	Multisystem

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# Review of AACN-CCRN Adult Exam Test Plan

- I. Clinical Judgment.....80%**
- ♥ **Cardiovascular ..... 20%**
    - ✓ Acute Coronary Syndromes (including unstable angina)
    - ✓ Acute Myocardial Infarction/Ischemia (including papillary muscle rupture)
    - ✓ Acute Peripheral Vascular Insufficiency (e.g. acute arterial occlusion, carotid artery stenosis, endarterectomy, peripheral stents, Fem-Pop bypass)
    - ✓ Acute Pulmonary Edema
    - ✓ Cardiac Surgery (e.g. valve replacement, CABG)
    - ✓ Cardiac Trauma
    - ✓ Cardiogenic Shock
    - ✓ Cardiomyopathies (e.g. hypertrophic, dilated, restructure, idiopathic)
    - ✓ Dysrhythmias
    - ✓ Heart Failure
    - ✓ Hypertensive Crisis
    - ✓ Hypovolemic Shock
    - ✓ Interventional Cardiology (e.g. catheterization)
    - ✓ Myocardial Conduction System Defects
    - ✓ Ruptured or Dissection Aneurysm (e.g. thoracic, abdominal, thoracic-abdominal)
    - ✓ Structure Heart Defects (acquired and congenital, including valvular disease)
  
  - ♥ **Pulmonary ..... 18%**
    - ✓ Acute Lung Injury (e.g. ARDS, RDS)
    - ✓ Acute Pulmonary Embolus
    - ✓ Acute Respiratory Failure
    - ✓ Acute Respiratory Infections (e.g. acute pneumonia, bronchiolitis)
    - ✓ Air-Leak Syndromes (e.g. Pneumothorax, PIE, pneumopericardium)
    - ✓ Aspiration (e.g. aspiration pneumonia, foreign-body)
    - ✓ COPD, Asthma, Chronic Bronchitis, emphysema
    - ✓ Pulmonary Hypertension
    - ✓ Status Asthmaticus
    - ✓ Thoracic Surgery
    - ✓ Thoracic Trauma (e.g. fractured ribs, lung contusions, tracheal perforation)
  
  - ♥ **Endocrine..... 5%**
    - ✓ Acute Hypoglycemia
    - ✓ Diabetes Insipidus
    - ✓ Diabetic Ketoacidosis
    - ✓ Hyperglycemic Hyperosmolar Nonketotic Syndrome (HHNK)
    - ✓ Syndrome of Inappropriate Secretion of Antidiuretic Hormone (SIADH)

- ♥ **Hematology/Immunology** ..... **2%**
  - ✓ Coagulopathies
  
- ♥ **Neurological**..... **12%**
  - ✓ Aneurysm
  - ✓ Brain Death (irreversible cessation of whole brain function)
  - ✓ Congenital Neurological Abnormalities (e.g. AV malformations)
  - ✓ Encephalopathy (e.g. anoxic, hypoxic-ischemic, metabolic, infectious)
  - ✓ Head Trauma (e.g. blunt penetrating, skull fractures)
  - ✓ Intracranial Hemorrhage/Intraventricular Hemorrhage (e.g. subarachnoid, epidural, subdural)
  - ✓ Neurologic Infectious Disease (e.g. viral, bacterial)
  - ✓ Neuromuscular disorders (e.g. muscular dystrophy, Guillian-Barre, Myasthenia Gravis)
  - ✓ Neurosurgery
  - ✓ Seizure Disorders
  - ✓ Space-Occupying Lesions (e.g. brain tumors)
  - ✓ Stroke (e.g. ischemic, hemorrhagic)
  
- ♥ **Gastrointestinal** ..... **6%**
  - ✓ Acute Abdominal Trauma
  - ✓ Acute GI Hemorrhage
  - ✓ Bowel Infarction/Obstruction/Perforation (e.g. mesenteric ischemia, adhesions)
  - ✓ GI Surgeries
  - ✓ Hepatic Failure/Coma (e.g. portal hypertension, cirrhosis, esophageal varicies)
  - ✓ Malnutrition and Malabsorption
  - ✓ Pancreatitis
  
- ♥ **Renal**..... **6%**
  - ✓ Acute Renal Failure
  - ✓ Chronic Renal Failure
  - ✓ Life-Threatening Electrolyte Imbalance
  
- ♥ **Multisystem**..... **8%**
  - ✓ Asphyxia
  - ✓ Distributive Shock (e.g. anaphylaxis)
  - ✓ Multi-Organ Dysfunction Syndrome (MODS)
  - ✓ Multisystem Trauma
  - ✓ Septic Shock/Septic Shock
  - ✓ System Inflammatory Response Syndrome (SIRS)
  - ✓ Toxic Ingestions/Inhalations (e.g., drug/alcohol overdose)
  - ✓ Toxin/Drug Exposure



- ♥ **Behavioral/Psychosocial..... 4%**
  - ✓ Abuse/Neglect
  - ✓ Antisocial Behaviors, Aggression, Violence
  - ✓ Delirium and Dementia
  - ✓ Developmental Delays
  - ✓ Failure to thrive
  - ✓ Mood Disorders and Depression
  - ✓ Substance Dependence (e.g. withdrawal, drug-seeking behavior, chronic alcohol or drug dependence)
  - ✓ Suicidal Behavior

**II. Professional Caring and Ethical Practices.....20%**

- ♥ **Advocacy/Moral agency ..... 3%**
- ♥ **Caring Practices..... 4%**
- ♥ **Collaboration..... 4%**
- ♥ **Systems Thinking..... 2%**
- ♥ **Response to Diversity..... 2%**
- ♥ **Clinical Inquiry..... 2%**
- ♥ **Facilitation of Learning..... 3%**