

Care of Medical and Surgical Patients In the Clinical Setting

Nurse Internship Program



This is a 10-day series of seminars designed for the relatively new nurse entering the challenging field of nursing, for nurses looking to return to practice, or for any medical professional looking to update their knowledge, assessment, and correlational skills. The series focuses on the care of medical and surgical patients, not only in acute care, but also in the extended care environment.

Each system includes a review of anatomy and physiology, pharmacology, diagnostic tests, and assessment skills. Common pathophysiologic conditions for each are detailed along with treatment modalities and outcome monitoring. Case studies and clinical correlation are used extensively during each system. Pre-session and post-session quizzes are utilized to test knowledge.

The series has been used by hospitals as the didactic portion of their Nurse Internship Program. When used as an Internship Program, the sessions may also be made available to any other staff members who wish to attend and to health care professionals from other facilities. CE credit is awarded for each individual day so professionals can choose their areas of interest. The course is being offered to all interested participants in July and August of 2009 in Piqua, OH.

Below is a synopsis of each session. A more complete description of each session is available by accessing the seminar from the web site.

Session 1: Professional Development and the Endocrine System

Contact Hours: 6.75 CE

- Critical thinking skills
- Professionalism
- Teamwork/collaboration
- Prioritization
- Organizational skills
- Scope of practice and delegation
- Anatomy and physiology of the endocrine system
- Endocrine assessment
- Pharmacology review
- Diabetes
- Thyroid dysfunction
- Pituitary and adrenal disorders

Session 2: Pain Management and Nutritional Considerations

Contact Hours: 6.75 CE

- Anatomy and physiology of pain
- Assessment parameters
- Pharmacology review
- Acute pain
- Chronic pain
- Palliative care
- Assessment in nutrition
- Nutritional needs of the acutely ill patient
- Modes of nutrition
- Monitoring nutritional interventions

Session 3: The Pulmonary System

Contact Hours: 6.75 CE

- Anatomy and physiology
- Pulmonary assessment
- Overview of ABGs
- Airway management
- Pharmacology review
- Pneumonia
- Asthma
- Pulmonary embolism
- Emphysema and chronic bronchitis
- Acute bronchitis
- Lung cancer
- Tuberculosis
- Respiratory failure
- Pleural effusions
- Pneumothorax

Session 4: The Cardiovascular System (Two days)

Contact Hours: 13.5 CE

- Anatomy and physiology
- Cardiovascular assessment
- Pharmacology review
- Hypertension
- Hypertensive crisis
- Valvular heart disease
- Overview of shock
- Deep vein thrombosis
- Dysrhythmia formation
- Complete heart block
- Ventricular fibrillation
- Ventricular tachycardia
- Atrial fibrillation and flutter
- Supraventricular tachycardia
- Hyperlipidemia
- Angina pectoris
- Unstable angina
- Acute myocardial infarction
- Heart failure
- Pericarditis
- Cardiac tamponade
- Arterial occlusive disease
- Chronic venous insufficiency

Session 5: Infections in Acute Care, Wound Care and Mental Health Considerations

Contact Hours: 6.75 CE

- Anatomy and physiology
- Assessment parameters
- Pharmacology review
- Fever
- Systemic inflammatory response system (SIRS)
- Septic shock
- HIV and AIDS
- Wound Care
- Anxiety and depression
- Suicide
- Grief
- Alcohol and substance abuse
- Confusion, delirium and dementia
- Sleep deprivation in illness
- Aggression and violence

Session 6: The Neurological System

Contact Hours: 6.75 CE

- Anatomy and physiology
- Neurological assessment
- Pharmacology review
- Headaches
- Seizure disorders
- CNS infections
- Spinal cord injury
- Multiple sclerosis
- Status epilepticus
- Brain tumors
- Transient ischemic attack
- Cerebrovascular accident
- Myasthenia gravis
- Parkinson's disease
- Alzheimer's disease
- Guillian Barre'

Session 7: The Renal and Urological Systems

Contact Hours: 6.75 CE

- Anatomy and physiology
- Renal assessment
- Pharmacology review
- Urinary tract infections
- Renal insufficiency
- Acute renal failure
- Chronic renal failure
- Fluid and electrolyte imbalances
- Protein imbalances
- Renal calculi
- Benign prostatic hypertrophy
- Prostate and bladder cancer
- Voiding dysfunction

Session 8: Musculoskeletal and Connective Tissue Disorders and Hematology/Oncology

Contact Hours: 6.75 CE

- Anatomy and physiology of the musculoskeletal system
- Assessment review
- Pharmacology review
- Rheumatoid arthritis
- Fibromyalgia
- Degenerative joint disease
- Knee and hip replacements
- Bursitis
- Low back pain
- Fractures
- Disc herniation
- Gout
- Osteoarthritis
- Osteoporosis
- Anatomy and physiology of the hematological system
- Acute and chronic anemia
- Idiopathic thrombocytopenic purpura
- Adult leukemias
- Lymphomas
- Multiple myeloma
- Breast cancer
- Endometrial cancer
- Ovarian cancer

Session 9: The Gastrointestinal System

Contact Hours: 6.75 CE

- Anatomy and physiology
- GI assessment
- Pharmacology review
- Irritable bowel syndrome
- Appendicitis
- Viral hepatitis
- Acute cholecystitis
- Pancreatitis
- Bowel ischemia
- Intestinal obstruction
- Inflammatory bowel disease
- Diverticulitis
- Acute gastroenteritis
- Hepatic failure
- Colorectal cancer
- Gastroesophageal reflux disease
- Gastrointestinal bleeds
- Diarrhea
- Peptic ulcer disease
- Peritonitis

Recent participants of the series had this to say about “Care of Medical-Surgical Patients in the Clinical Setting”.



“I cannot express enough how wonderful it was to have taken this series. After graduation and beginning to work as a registered nurse, I was terrified. Taking two years of information and pulling it altogether to take care of patients to the best of my ability was hard and worrisome. Each week that passed after one of the classes, I would leave feeling as though I was a better and more competent nurse. All the mismatched information from nursing school now flows together with each patient and their diagnoses.”

“Ms. Liette is a ‘born to teach’ individual. She broke the information down to an easy to learn format. The outline packets were great to follow during lecture and I still refer back to them as a reference. What a great correlation to bring everything together to make me a better nurse for my patients!”

“As a new graduate, this program has given me a more in-depth understanding of the basics learned in nursing school. The correlation between lab values and specific diseases has been especially helpful. Although I learned many of these things in school, being able to apply them clinically has helped me become more aware of signs/symptoms and correlating diseases. Ms. Liette has an incredible knowledge base and is a fantastic instructor for anyone.”

“I have been out of nursing for quite a while. The information presented here makes me much more comfortable in returning to the bedside. The organization and presentation of the classes made it easy to follow, as well as conducive to learning. I have gained so much confidence taking this series.”

“As an experienced nurse, the sessions I attended helped me to understand the pathophysiology with each disease state and impact of drugs used for these patients. The lab presentations were also very helpful in understanding diseases.”

“The instructor encourages questions and discussions within the group. All the information presented and use of the case studies will take the care I give my patients to a higher level. As a practicing nurse, this will be very helpful in my career.”

“Thanks for all the information. You have been a great resource and a great benefit to my practice! Pictures and illustrations were great!”



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Educational Concepts, LLC (OH-251/060112) is an approved provider of continuing nursing education by the Ohio Nurse’s Association (OBN-001-91), an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation.

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