The University of Jordan The Faculty of Nursing Clinical Nursing Department 2010/2011

Course Title: Adult Health Nursing II Course Number: 0702308 Credit Hours: 3 Credit Hours Prerequisite: 0702206 Faculty Member: Office Tel & email: Office Hours:

Course Description and Objectives:

This course, a sequel to Adult Health Nursing I course. It introduces students to conditions that affect the functional health patterns of adult patients. Emphasis will be placed on the impact of these conditions on an individual's functioning. Students are expected to have skills and knowledge in the process of decision making when providing care for adult clients experiencing critical conditions. The nursing process provides a framework for selected independent, interdependent and dependent nursing interventions including health promotion and lifestyle changes.

Intended Learning Outcomes (ILOs):

Successful completion of the course should lead to the following learning outcomes:

A. Knowledge and Understanding

- 1- Define the key terms related to the alteration in the functional health patterns of adult patients.
- 2- Review the anatomy , physiology and the assessment techniques of the adult patients with alteration in the functional health patterns
- 3- Review the pathophysiology of the conditions related to alteration in the functional health patterns in adult patients.
- 4- Explain factors that affect adult functional health patterns

B. Cognitive and Intellectual Skills

- 1- Utilize the assessment parameters to determine the status of the adult patients with alteration in the functional health patterns.
- 2- Identify nursing diagnoses related to the conditions of alterations in functional health patterns.
- 3- Describe the nurse's role in the total health care of adults from prevention to rehabilitation in order to provide optimal care to patients with alterations in their health conditions.

C. Subject Specific Skills

- 1- Describe the effect of the disease process on the patient and family in order to help them cope with stressors during illness.
- 2- Describe the assessment of adults with alterations in physiological functioning.
- 3- Discuss significant data to be collected during the assessment of adults with alterations in their health conditions.
- 4- Discuss the medical management of adults with alterations in their health conditions.
- 5- Utilize the nursing process in meeting the needs of adult patients.

- 6- Be aware of nursing interventions that promote optimal physiological functioning including discharge planning.
- 7- Specify the expected outcome criteria of the developed care plan

D. Transferable Skills

- 1- Formulate goals and outcome criteria for evaluating the effectiveness of nursing interventions for clients with alterations in physiological functioning.
- 2- Develop a care plan for adults with alteration in functional health patterns.
- 3- Integrate relevant research findings in the care of adult clients and their families.

Teaching Methods:

- 1- Lectures.
- 2- Self readings
- 3- Case study discussions
- 4- Group assignment
- 5- Drama theatre.

Course Policies:

- 1- Students are expected to prepare for lectures by reading the assigned material and reviewing relevant anatomy, physiology, physical assessment and pathophysiology. Occasionally unannounced quizzes will be given to assess comprehension of lecture content or pre requisites.
- 2- Attendance of lectures is a requirement. Students who miss more than seven lecture hours will be dismissed from the course (see the university policies regarding absence).
- 3- Students unable to take a scheduled exam are expected to present their excuse within 48 hours after returning to school. Make up exams will be given only to students with acceptable excuse submitted to instructor within 48 hours of being back to school.
- 4- Each student should have an email account

Evaluation:

Midterm Exam	30%
Project	20%
<u>Final Exam</u>	50%
TOTAL	100%

Required Textbook

Smeltzer, S., & Bare, B., Hinkle, J., & <u>Cheever</u>, K. (2010). Brunner and Suddarth's textbook of medical surgical nursing (11th Ed.). Philadelphia, PA.: Lippincott.

Additional References:

- Anthony, M. (2008). Hypoglycemia in hospitalized adults. MEDSURG Nursing, 17 (1)
- Antonelli, A. (2004). Thyroid Disorders in Chronic Hepatitis C. The American Journal of Medicine;117(3):10-13
- Balas T. et al. (2002). Comparison of a Standard Neurological Tool with a Stroke Scale for Detecting Symptomatic Cerebral Vasospasm. Journal of Neuroscience Nursing. Vol. 34 (6): 320-325.

- Camp Y. et al. (2004). Stop and Look: Two Approaches to Manage Stroke patients. Journal of Neuroscience Nursing. Vol. 27 (1): 21-28.
- Carr J. & Shepherd R. (2003). Stroke Rehabilitation Guidelines for Exercise and Training to Optimize Motor Skill. Manual therapy; 8(4):261-267
- Gibson, K. L. (2003) Caring for patient who lives with a spinal cord injury. Nursing, 37 (7) pp. 37-43

Hampton, J. (2008) The ECG made easy, (7th ed.). Churchill Livingstone Company, London

- Lewis, S., Heitkemper, M., Dirksen, S., O'Brian, P., &Bucher, L. (2009). Medical surgical nursing: assessment and management of clinical problems (7th. Ed.). St. Louis, MI: Mosby.
- Michel, B & Charron-Prochownik, D. (2006), Diabetes Nurse Educators and Preconception Counseling. The Diabetes Educator;32(1):108-115
- Mogensen, K. (2008) The whole picture: Addressing the diverse needs of the patient treated for brain tumor. Clinical Journal of Oncology Nursing, 12(5) pp.817-819
- Palmieri, R. (2007) Responding to primary brain tumor. Nursing, 37(1) pp37-42
- Sargent, S. (2007) Pathophysiology and management of hepatic encephalopathy. British Journal of Nursing, 16 (6)
- Sargent, S. (2006) Management of patients with advanced liver cirrhosis. Nursing Standard, 21 (11)
- Smelter, S.C., Bare, B.G., Hinkle, J.L., & Cheever,K.H. (2006) Burner and Suddarth Text Book of Medical Surgical Nursing (11th. ed.) Philadelphia : Lippincott.
- Vacca, V. M. (2007) Status Epileptics. Nursing, 37 (4) pp. 80
- Antonelli, A. (2005). Thyroid Disorders in Chronic Hepatitis C. The American Journal of Medicine;117(3):10-13
- Whiltemore R. et al. (2005). Lifestyle Change in Type 2 Diabetes: A Process Model. Nursing Research. Vol. 51 (1): 18-25.

Tentative Class Schedule

week Introduction to the course First Caring for patient with URTI Second Caring for patient with COPD Third Caring for patient with Asthma Third Caring for patient with ARDS Fourth Caring for patient with RF Fifth Caring for patient with RF Fifth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Pulmonary edema and pulmonary embolism Sixth Caring for patient with Angina Caring for patient with Angina Caring for patient with Angina Caring for patient with Congestive heart disease Caring for patient with MI eighth Caring for patient with Congestive heart disease Caring for patient with Congestive heart disease Caring for patient with valvular disorders Caring for patient with Congestive heart disease Caring for patient with congestive heart disease Caring for patient with Congestive heart disease Caring for patient with valvular disorders Caring for patient with congestive heart disease Caring for patient with congestive heart disease	Semester	Day and Date	Topics
Caring for patient with URTI Second Caring for patient with COPD Caring for patient with ARDS Caring for patient with ARDS Fourth Caring for patient with RF Fifth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Pulmonary edema and pulmonary embolism Sevensth Caring for patient with Angina Caring for patient with MI Caring for patient with Angina Caring for patient with Congestive heart disease Caring for patient with MI eighth Caring for patient with Congestive heart disease Caring for patient with Congestive heart disease Caring for patient with Congestive heart disease Tenth Care for patients with cardiac surgeries Eleventh Care of adult patients with neurological conditions Twelfth Increased intracranial pressure Care of adult patients with neurological conditions Spinal cord injuries Fifteenth Cerebrovascular accidents (stroke) Furtheenth Head	week		
Second Caring for patient with COPD Caring for patient with Asthma Caring for patient with Asthma Third Caring for patient with Pneumonia Caring for patient with Preumonia Caring for patient with RPS Fourth Caring for patient with RF Fifth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail Chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Pulmonary edema and pulmonary embolism Sixth Caring for patient with Angina Garing for patient with Angina Caring for patient with Angina Caring for patient with Angina Caring for patient with MI eighth Caring for patient with MI eighth Caring for patient with Congestive heart disease Caring for patient with Congestive heart disease Caring for patient with congestive heart disease Tenth Care for patients with cardiac surgeries Care of adult patients with neurological conditions Care of adult patients with neurological conditions Twelfth Increased intracranial pressure Care of adult patients (stroke) Spinal cord injuries Fifteenth	First		Introduction to the course
Caring for patient with Asthma Third Caring for patient with Pneumonia Caring for patient with ARDS Caring for patient with ARDS Fourth Caring for patient with RF Fifth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Pulmonary edema and pulmonary embolism Caring for patient with Angina Caring for patient with Angina Caring for patient with Angina Caring for patient with MI eighth Caring for patient with Hypertension Ninth Caring for patient with Hypertension Ninth Caring for patient with Congestive heart disease Caring for patient with Congestive heart disease Caring for patient with congestive heart disease Tenth Care for patients with valual disorders Care of adult patients with neurological conditions Care of adult patients with neurological conditions Twelfth Increased intracranial pressure Care of adult patients with neurological conditions Spinal cord injuries <			× *
Third Caring for patient with Pneumonia Fourth Caring for patient with ARDS Fourth Caring for patient with RF Fifth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Fifth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Pulmonary edema and pulmonary embolism Sevensth Caring for patient with Angina Caring for patient with Angina Caring for patient with Angina Caring for patient with Congestive heart disease Caring for patient with MI eighth Caring for patient with Congestive heart disease Tenth Caring for patient with Congestive heart disease Caring for patient with Congestive heart disease Caring for patients with valvular disorders Care for patients with cardiac surgeries Care of adult patients with neurological conditions Tenth Care of adult patients with neurological conditions Tenth Cerebrovascular accidents (stroke) Tenth Cerebrovascular accidents (stroke) Thirteenth C	Second		Caring for patient with COPD
Caring for patient with ARDS Fourth Caring for patient with RF Fifth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Pulmonary edema and pulmonary embolism Evensth Caring for patient with Angina Caring for patient with Angina Caring for patient with Angina Caring for patient with Angina Caring for patient with MI eighth Caring for patient with MI eighth Caring for patient with Congestive heart disease Caring for patient with Congestive heart disease Caring for patient with Congestive heart disease Tenth Care of adult patients with cardiac surgeries Eleventh Care of adult patients with neurological conditions Twelfth Increased intracranial pressure Care of adult patients with neurological conditions Spinal cord injuries Fifteenth Cerebrovascular accidents (stroke) Fourteenth			Caring for patient with Asthma
FourthCaring for patient with RFFifthCaring for patient with Chest Trauma (Pneumo & hemothorax) Flail chestFifthCaring for patient with Chest Trauma (Pneumo & hemothorax) Flail chestSixthCaring for patient with Chest Trauma (Pneumo & hemothorax) Flail chestSixthCaring for patient with Pulmonary edema and pulmonary embolismSevensthCaring for patient with Pulmonary edema and pulmonary embolismSevensthCaring for patient with Angina Caring for patient with MI eightheighthCaring for patient with MI Caring for patient with HypertensionNinthCaring for patient with Congestive heart disease Caring for patient with Congestive heart disease Caring for patient with congestive heart diseaseTenthCare for patients with valvular disorders Care for patients with cardiac surgeriesEleventhCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressure Cerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthEpilepsiesSixteenthEpilepsiesSixteenthShock & MODSSixteenthShock & MODS	Third		Caring for patient with Pneumonia
Caring for patient with RF Fifth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Pulmonary edema and pulmonary embolism Caring for patient with Pulmonary edema and pulmonary embolism Caring for patient with Angina Caring for patient with Pulmonary edema and pulmonary embolism Caring for patient with Angina Caring for patient with Pulmonary edema and pulmonary embolism Caring for patient with Angina Caring for patient with Angina Caring for patient with Angina Caring for patient with Congestive heart disease Caring for patient with MI eighth Caring for patient with Congestive heart disease Caring for patient with Congestive heart disease Caring for patient with Congestive heart disease Tenth Care for patients with valvular disorders Care for patients with neurological conditions Care of adult patients with neurological conditions Twelfth Increased intracranial pressure Cerebrovascular acciden			Caring for patient with ARDS
Fifth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Pulmonary edema and pulmonary embolism Sixth Caring for patient with Pulmonary edema and pulmonary embolism Exercise Caring for patient with Angina Caring for patient with MI Caring for patient with MI eighth Caring for patient with Hypertension Ninth Caring for patient with Congestive heart disease Tenth Care for patients with congestive heart disease Caring for patient with Congestive heart disease Caring for patient with Congestive heart disease Tenth Care for patients with cardiac surgeries Eleventh Care of adult patients with cardiac surgeries Twelfth Increased intracranial pressure Care of adult patients with neurological conditions Spinal cord injury Thirteenth Cerebrovascular accidents (stroke) Fourteenth Head injury Spinal cord injuries Spinal cord injuries Fifteenth Epilepsies Sixteenth Shock & MODS	Fourth		Caring for patient with RF
Image: Second Stress Study Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chest Sixth Caring for patient with Pulmonary edema and pulmonary embolism Sevensth Caring for patient with Pulmonary edema and pulmonary embolism Sevensth Caring for patient with Angina Caring for patient with Angina Caring for patient with MI eighth Caring for patient with MI eighth Caring for patient with Hypertension Ninth Caring for patient with Congestive heart disease Caring for patient with Congestive heart disease Caring for patient with Congestive heart disease Tenth Care for patients with congestive heart disease Care for patients with cardiac surgeries Care of adult patients with neurological conditions Twelfth Increased intracranial pressure Twelfth Cerebrovascular accidents (stroke) Thirteenth Cerebrovascular accidents (stroke) Fourteenth Head injury Sinteenth Epilepsies Sixteenth Shock & MODS			Caring for patient with RF
Caring for patient with Chest Trauma (Pneumo & hemothorax) Flail chestSixthCaring for patient with Pulmonary edema and pulmonary embolismSevensthCaring for patient with Angina Caring for patient with Angina Caring for patient with MIeighthCare for patients with dysrythemia Caring for patient with HypertensionNinthCaring for patient with Congestive heart disease Caring for patient with Congestive heart diseaseTenthCare for patients with congestive heart disease Caring for patients with cardiac surgeriesEleventhCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressure Cerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthHead injuryFifteenthElpilepsiesFifteenthEpilepsiesSixteenthShock & MODS	Fifth		
Sixth Caring for patient with Pulmonary edema and pulmonary embolism Sixth Caring for patient with Pulmonary edema and pulmonary embolism Sevensth Case Study Sevensth Caring for patient with Angina Caring for patient with MI Caring for patient with MI eighth Caring for patient with dysrythemia Caring for patient with MI Caring for patient with Hypertension Ninth Caring for patient with Congestive heart disease Tenth Care for patients with congestive heart disease Care for patients with cardiac surgeries Care for patients with cardiac surgeries Eleventh Care of adult patients with neurological conditions Twelfth Increased intracranial pressure Careebrovascular accidents (stroke) Spinal cord injury Fourteenth Head injury Fifteenth Epilepsies Fifteenth Epilepsies Sixteenth Shock & MODS			
SixthCaring for patient with Pulmonary edema and pulmonary embolismSixthCaring for patient with Pulmonary edema and pulmonary embolismSevensthCaring for patient with AnginaCaring for patient with MICaring for patient with MIeighthCare for patients with dysrythemiaCaring for patient with MICaring for patient with HypertensionNinthCaring for patient with Congestive heart diseaseCaring for patient with Congestive heart diseaseCaring for patient with Congestive heart diseaseTenthCare for patients with cardiac surgeriesEleventhCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressureTwelfthCerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthHead injuryFifteenthEpilepsiesSixteenthShock & MODS			0 I
PullingpullingpullingpullingpullingCase StudySevensthCaring for patient with AnginaCaring for patient with MIeighthCare for patients with dysrythemiaCaring for patient with MypertensionNinthCaring for patient with Congestive heart diseaseCaring for patient with Congestive heart diseaseCaring for patient with Congestive heart diseaseCare for patients with valvular disordersCare for patients with valvular disordersCare for patients with cardiac surgeriesEleventhCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressureCerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthFifteenthFifteenthSixteenthSixteenthSixteenthSixteenth			hemothorax) Flail chest
Image: Sevensth Image: Case Study Sevensth Caring for patient with Angina Image: Caring for patient with Angina Caring for patient with Angina Image: Caring for patient with MI Caring for patient with MI eighth Care for patients with dysrythemia Image: Caring for patient with Congestive heart disease Caring for patient with Congestive heart disease Image: Caring for patient with Congestive heart disease Care for patients with valvular disorders Image: Care for patients with valvular disorders Care for patients with valvular disorders Image: Care for patients with valvular disorders Care for patients with cardiac surgeries Image: Care for patients with valvular disorders Care of adult patients with neurological conditions Image: Care of adult patients with neurological conditions Care of adult patients with neurological conditions Image: Care for patient with Care for patients (stroke) Care of adult patients (stroke) Image: Care for patients with neurological conditions Care of adult patients (stroke) Image: Care for patient with for the for patient (stroke) Care for patient (stroke) Image: Care for patient for the for the for patient (stroke) Care for patient (stroke) Image: Care for patient for the for	Sixth		Caring for patient with Pulmonary edema and
SevensthCase StudySevensthCaring for patient with Angina Caring for patient with MIeighthCare for patients with dysrythemia Caring for patient with HypertensionNinthCaring for patient with Congestive heart disease Caring for patient with Congestive heart disease Caring for patient with Congestive heart diseaseTenthCare for patients with valvular disorders Care for patients with valvular disorders Care for patients with cardiac surgeriesEleventhCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressure Cerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthHead injuryFifteenthEpilepsiesSixteenthShock & MODS	oniti		0 1
SevensthCaring for patient with Angina Caring for patient with MIeighthCare for patients with dysrythemia Caring for patient with HypertensionNinthCaring for patient with Congestive heart disease Caring for patient with Congestive heart disease Caring for patient with Congestive heart diseaseTenthCare for patients with valvular disorders Care for patients with valvular disordersEleventhCare for patients with cardiac surgeriesEleventhCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressure Cerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthHead injuryFifteenthEpilepsiesSixteenthShock & MODSSixteenthShock & MODS			paralloliary chilobholin
Initial Caring for patient with MIeighthCaring for patient with MIeighthCare for patients with dysrythemiaNinthCaring for patient with Congestive heart diseaseCaring for patient with Congestive heart diseaseCaring for patient with Congestive heart diseaseTenthCare for patients with valvular disordersCare for patients with valvular disordersCare for patients with valvular disordersEleventhCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressureThirteenthCerebrovascular accidents (stroke)FourteenthHead injuryFifteenthSpinal cord injuriesFifteenthShock & MODSSixteenthShock & MODS			Case Study
eighthCare for patients with dysrythemiaNinthCaring for patient with HypertensionNinthCaring for patient with Congestive heart diseaseCaring for patient with Congestive heart diseaseCaring for patient with Congestive heart diseaseTenthCare for patients with Congestive heart diseaseTenthCare for patients with valvular disordersEleventhCare for patients with cardiac surgeriesEleventhCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressureThirteenthCerebrovascular accidents (stroke)FourteenthSpinal cord injuriesFifteenthEpilepsiesSixteenthShock & MODS	Sevensth		Caring for patient with Angina
eighthCare for patients with dysrythemiaNinthCaring for patient with HypertensionNinthCaring for patient with Congestive heart diseaseCaring for patient with Congestive heart diseaseCaring for patient with Congestive heart diseaseTenthCare for patients with valvular disordersCare for patients with valvular disordersCare for patients with cardiac surgeriesEleventhCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressureTwelfthCerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthSpinal cord injuriesFifteenthEpilepsiesSixteenthShock & MODS			Caring for patient with MI
NinthCaring for patient with Congestive heart disease Caring for patient with Congestive heart disease Caring for patient with Congestive heart diseaseTenthCare for patients with valvular disorders Care for patients with valvular disordersEleventhCare for patients with cardiac surgeriesEleventhCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressure Cerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthHead injuryFifteenthEpilepsies Shock & MODSSixteenthShock & MODS	eighth		
NinthCaring for patient with Congestive heart disease Caring for patient with Congestive heart disease Caring for patient with Congestive heart diseaseTenthCare for patients with valvular disorders Care for patients with valvular disordersEleventhCare for patients with cardiac surgeriesEleventhCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressure Cerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthHead injuryFifteenthEpilepsies Shock & MODSSixteenthShock & MODS			Caring for patient with Hypertension
Caring for patient with Congestive heart diseaseTenthCare for patients with valvular disordersCare for patients with cardiac surgeriesCare for patients with cardiac surgeriesEleventhCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressureTwelfthCerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthHead injuryFifteenthEpilepsiesFifteenthShock & MODSSixteenthShock & MODS	Ninth		
TenthCare for patients with valvular disorders Care for patients with cardiac surgeriesEleventhCase for patients with cardiac surgeriesEleventhCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressureTwelfthCerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthSpinal cord injuriesFifteenthEpilepsiesSixteenthShock & MODSSixteenthShock & MODS			
EleventhCase StudyCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressureThirteenthCerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthHead injuryFifteenthEpilepsiesFifteenthShock & MODSSixteenthShock & MODS	Tenth		
EleventhCase StudyCare of adult patients with neurological conditionsTwelfthIncreased intracranial pressureThirteenthCerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthHead injuryFifteenthEpilepsiesFifteenthShock & MODSSixteenthShock & MODS			Care for patients with cardiac surgeries
Care of adult patients with neurological conditionsTwelfthIncreased intracranial pressureCerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthHead injuryFifteenthSpinal cord injuriesFifteenthEpilepsiesSixteenthShock & MODS	Eleventh		
TwelfthIncreased intracranial pressureTwelfthCerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthHead injuryFifteenthSpinal cord injuriesFifteenthEpilepsiesSixteenthShock & MODS			
Cerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthHead injuryFifteenthSpinal cord injuriesFifteenthEpilepsiesShock & MODSShock & MODS			
Cerebrovascular accidents (stroke)ThirteenthCerebrovascular accidents (stroke)FourteenthHead injuryFifteenthSpinal cord injuriesFifteenthEpilepsiesShock & MODSShock & MODS	Twelfth		Increased intracranial pressure
Fourteenth Head injury Spinal cord injuries Fifteenth Shock & MODS Sixteenth Shock & MODS			
Spinal cord injuries Fifteenth Epilepsies Shock & MODS Sixteenth Shock & MODS			Cerebrovascular accidents (stroke)
Spinal cord injuries Fifteenth Epilepsies Shock & MODS Sixteenth Shock & MODS	Thirteenth		
Fifteenth Epilepsies Shock & MODS Sixteenth Shock & MODS			Cerebrovascular accidents (stroke)
Shock & MODS Sixteenth Shock & MODS			Cerebrovascular accidents (stroke) Head injury
	Fourteenth		Cerebrovascular accidents (stroke) Head injury Spinal cord injuries
	Fourteenth		Cerebrovascular accidents (stroke) Head injury Spinal cord injuries Epilepsies
	Fourteenth Fifteenth		Cerebrovascular accidents (stroke) Head injury Spinal cord injuries Epilepsies Shock & MODS