Beginning Stoke Education for Nurses

WebQuest Description: This webquest will guide entry level emergency room nurses to learn about the signs, causes, types and treatment of stroke. The emergency room nurse will learn to recognize and score stroke symptoms of patients that present to the emergency department.

Grade Level: College / Adult
Curriculum: Health / PE
Keywords: NIH scale, FAST exam, Stroke, Hemorrhagic stroke, ischemic stroke, Alteplase, TPA, thrombolytic therapy, Cincinnati stroke scale, anticoagulant therapies

Introduction

Strokes otherwise known as cerebrovascular accidents are the 5th most common cause of death in the United States. Each year more than 795,000 people will have a stroke; of those 133,000 will die. Strokes are conditions that develop as a result of problems with the blood vessels that supply the brain. Two of the most common types of strokes are: Hemorrhagic Stroke and Ischemic Stroke. The risk of having a stroke varies with race, ethnicity, age and geography. But stroke can occur at any age from infancy to old age. However, in 2009, 24 percent of people hospitalized for stroke were younger than 65 years of age. During this unit of study we will be reviewing the types of stroke, the signs and symptoms, assessment and evaluation of the stroke patient and the appropriate treatments for each type of stroke. INTRO TO THE UNIT

Tasks

Students shall view videos, online media lectures and presentations as well as view peer reviewed articles that will be attached. Students will be evaluated in a simulation patient lab environment at the end of the unit. Continuing education and evaluation will be assigned each year by reviewing and passing the The National Institutes of Health Stroke Scale (NIHSS) education and certification. Throughout the year, in services will be given during staff meetings on one area the department needs to improve in our treatment of stroke. Objective 1. By the end of this unit, the student will be able to determine the difference between a Hemorrhagic Stroke and Ischemic Stroke. The National Institutes of Health Stroke Scale (NIHSS) assessment scale to evaluate and document neurological status in stroke patients. Objective 2. By the end of this unit, the student will be able to perform a National Institutes of Health Stroke Scale (NIHSS) assessment scale to evaluate and document neurological status in stroke patients. Objective 3. By the end of this unit, the student will be able to differentiate between treatment options for hemorrhagic stroke and ischemic stroke. The student shall be able to discuss indications and contraindications of thrombolytic medications in the emergent treatment of ischemic stroke. (Bloom's Taxonomy: Understanding) Stroke Rap FAST Song Anti-coagulation Stroke Alert

Process

Students shall view videos, online media lectures and presentations as well as view peer reviewed articles that will be attached. Students will be evaluated in a simulation patient lab environment at the end of the unit. Continuing education and evaluation will be assigned each year by reviewing and passing the The National Institutes of Health Stroke Scale (NIHSS) education and certification. Throughout the year, in services will be given during staff meetings on one area the department needs to improve in our treatment of stroke. Stroke - Types, causes and Treatments FAST Exam NIH Stroke Scale Mnemonics to learn the NIH Stroke Scale PA Administration Stroke Review

Evaluation

Course evaluation will be determined by how the student is able to function with a team in a patient simulation. Each student will be responsible for part of the stroke patient workup. Pt case studies will be used to foster group participation and helping the others in the class to take part in the patient simulation.

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As this unit draws to a close I hope that you as either a novice or experienced nurse feel more confident in your knowledge and ability to assess and treat stroke patients. Your next step will be to complete the NIH certification course in your MyLearning page. The final step is to complete the NIH Stroke scale practical portion. Glogster - Stroke unit scale

Stroke education for nurses is quickly changing as we understand more about the brain and the affects that strokes has on the brain. Understanding what causes Ischemic and hemorrhagic stroke assessment and treatment can improve patient outcomes. The Webquest should take a few hours to complete. NIH online certification will be assigned in the nurses mylearning account. This certification can take up to three hours. Nurses have to score a 95% or better to earn certification. The first year of employment the nurse will be required to attend a hands on NIH stroke scale assessment practical that lasts four hours. Each year after that NIH stroke scale review will be included as part of annual competency.

**Standards**

**Learning Objectives**
1. By the end of this unit, the student will be able to determine the difference between a â€œwet Strokeâ€ (hemorrhagic stroke) and a â€œdry strokeâ€ (ischemic stroke) (Bloom's Taxonomy: Analyzing).
2. By the end of this unit, the student will be able to perform a National Institutes of Health Stroke Scale (NIHSS) assessment scale to evaluate and document neurological status in stroke patients. (Bloom's Taxonomy: Applying)
3. By the end of this unit, the student will be able to differentiate between treatment options for hemorrhagic stroke and ischemic stroke. The student shall be able to discuss indications and contraindications of thrombolytic medications in the emergent treatment of ischemic stroke. (Bloom's Taxonomy: Understanding)

**Credits**

References for Technology


Other


**Conclusion**

As this unit draws to a close I hope that you as either a novice or experienced nurse feel more confident in your knowledge and ability to assess and treat stroke patients. Your next step will be to complete the NIH certification course in your MyLearning page. The final step is to complete the NIH Stroke scale practical portion. Glogster - Stroke unit scale.