

Student Name
NR 293

Week 3- Anti-Epileptic Medications

Profile:

Ms. Xanxy is a nursing student who transporting home via public transportation and she begins to feel "not quite normal". She tells her friends, who are with her, that she feels funny, she is seeing a bright light and can smell rubber burning. While she is talking, she becomes unconscious and her friends are able to lower her to the ground so that she does not hit her head. Her friends observe a tonic-clonic seizure, and they alert EMS. When EMS arrives the student is still having tonic-clonic movements that consisted of arching of her back, her head was extended, her knees were bent and her arms and fingers were flexed rigidly at the joints. At regular intervals she experienced alternating contraction and relaxation of all muscles of the extremities and hyperventilation. The friends estimate the total seizure time is about 15 minutes. The friends tell the EMS what the student had said prior to becoming unconscious. The EMS apply a non-rebreather mask to the student and take her to the nearest hospital.

Case Study:

On arrival to the hospital, she is taken directly into a triage area. There is no visible seizure activity that is occurring. The student responsive to tactile stimulation and very slow to respond to verbal stimuli. Her speech is mumbled and she is very lethargic. The student presents with incontinence of urine, and pupils that are slow to react to light.

The student is placed side lying into one of the ED beds and there is suction available at the bedside. The bed is placed in the lowest position and bed rails are padded. She is on a non-rebreather oxygen mask and her O₂ saturation is 96.

VS-

HR- 108

Respirations- 22

BP- 108/72

Temperature- 98.5 F

The ED physician orders Valium 1 mg/ KG to be given stat IV push. The IV is NS going at 100 ml/hr in the student's left hand with a 18g needle. The student's weight is 125 pounds. The ED physician also requests serum labs: glucose, total calcium, CBC, drug screening, and electrolyte levels (BMP).

1. Based on the student's weight, how much valium does the nurse give?