Para-Medical Program		
Specialization	التخدير والانعاش	
Course Number	020801162	
Course Title	علم ادوية التخدير 2	
Credit Hours	(3)	
Theoretical Hours	(2)	
Practical Hours	(3)	

Course description:

This course provides the anesthesia assistant technician student with basic information regarding the anesthetic drugs given pre, intra and postoperatively. It explains why such drugs are given and their mode of actions plus their side effects. It also clarifies the role of the anesthesia assistant technician in the process of medication administration.

Course outline:

Unit No.	Unit name	Unit Content	Time Needed
1	Autonomic nervous system	 Sympathetic nervous system: Neurotransmitters receptors agonists and antagonists paraSympathetic nervous system : Neurotransmitters receptors agonists and antagonists 	
2	Cardiovascular system	 drug used in treatment of heart failure. Antihypertensive drug: Calcium Chanel blocker Acting on alpha and beta receptor Antiarrythemic drug Anticoagulants drug: Heparin Low molecular heparin warfarin 	
3	miscellaneous	 diuretics antidiabetics injections oral antihyperglycemic antibiotics 1st & 2nd & 3rd generation Aminoglycosids Bacteriostatic bacteriocidal 	
4	Medical gases	 oxygen air nitrous oxide Co2 Intravenous fluid: crystaloids colloids blood products: packed cell platlets fresh frozen cryoprecipitate 	

5	addiction	 physical psycological	
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Teaching Methodology: Lectures. Group discussion.

References:

- 1. smith and aitkenheads text book of anesthesia by Alan R., Aiteenheads and Graham smith 2013
- 2. pharmacology for anesthesia and intensive care by T.E Peck 2014