

University of Illinois College of Medicine

Procedures to be Learned and Successfully Accomplished

1. Venipuncture
2. Inserting an intravenous catheter
3. Inserting a nasogastric tube
4. Urologic catheterization, male and female (Inserting a Foley catheter)
5. Skin suturing/ removal of sutures
6. EKG lead placement
7. Demonstrate proper use of an inhaler
8. Perform an adequate Pap smear
9. Perform routine vaginal delivery
10. Perform and record physical examination of a healthy newborn
11. Manage an airway, including endotracheal intubation
12. Know and perform universal precautions
13. Sterile technique (Scrub, gown, glove)

Procedures to be Learned, Which May Be Successfully Demonstrated on a Model

1. Arterial puncture
2. Lumbar puncture
3. Perform cardiopulmonary resuscitation (Basic life support)
4. Injections: subcutaneous, intradermal and intramuscular

Interpretation of Commonly Used Diagnostic Procedures or Common Principles

1. Arterial blood gas
2. EKG; heart rate/ rhythm monitor
3. Gram stain, KOH wet mount, urine sediment analysis
4. Fecal occult blood testing
5. Pulse oximetry (oxygen saturation) monitoring/ placement & interpretation
6. Peak flow meter instruction and interpretation
7. Standard chest x-ray
8. Routine laboratory results including clinical chemistries, liver function studies, complete blood count, urine analysis
9. Understand point of care testing (POCT) ¹
10. Home glucose testing instruction/demonstration
11. Basic types of exercise stress testing
 - a. Non-pharmacological: routine stress testing, exercise echo, nuclear stress
 - b. Pharmacological: dobutamine stress testing, persantine/ nuclear stress testing

¹ As defined by the College of American Pathologists, "analytical patient testing activities provided within the institution, but performed outside the physical facilities of the clinical laboratories. It does not require permanent dedicated space, but instead includes kits and instruments, which are either hand carried or transported to the vicinity of the patient for immediate testing at that site".

Skills/ Procedures to be Observed in Real Time or Through Instructional Video Demonstrations

1. Thoracentesis, including chest tube insertion and treatment of pneumothorax
2. Cardiac catheterization
3. Care and use of access ports
4. Cast and splint placement
5. Central line insertion and management
6. CT and MRI procedures, including an understanding of the underlying principles
7. GI endoscopy, upper *or* lower
8. Repair vaginal lacerations
9. Routine resuscitation of a newborn
10. Ultrasound
11. Moderate/ conscious sedation
12. Arterial line
13. Swan Ganz
14. Exercise Stress Test
15. Skin punch biopsy
16. Skin shave biopsy
17. Cryotherapy for warts and other skin lesions
18. Incision & drainage
19. Pulmonary function testing
20. Bronchoscopy
21. Dialysis
22. Intraarticular joint aspiration
23. Ventilator management

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