

Lab 2: Arterial line Videos

2020

This is for your learning for exams and clinical. For the HESI Skills listed utilize the LMS HESI calendar & HESI Across the Module sheet. Study guide answers will be released on LMS before Muddy Waters #2.

For questions contact Ms. Kilpatrick

HESI Skills: Critical Care Collection

- Arterial Catheter Insertion (assisting) Care, and Removal - review the extended sheet and take the quiz

HESI Skills Respiratory Collection

- Arterial Catheter Blood Sampling - review the extended sheet and take the quiz

<https://youtu.be/cw-NLUmHTv4> Arterial Line Removal Nursing Lecture (2016) live demonstration of arterial line removal on actual patient

<https://www.youtube.com/watch?v=9YzmimDY15s> Safe Set System from ICUmed 2012

Optional Videos

<https://youtu.be/zfQf-KK5mCc> Arterial Lines (Guide for Nursing Students by K. Sun, Army of Nurses (2015) (25.3 min) Explanations and visuals are good and easy to follow

<https://youtu.be/aJmQepDWVqw> Transducers in Invasive Pressure Monitoring (2016) (8.41 min) Basics of how a transducer works & why being level with phlebostatic axis is important. See video at 4.20 minutes. **Note:** Heparin is not used with NS for adult patents

<https://youtu.be/1naup00IZOQ> Arterial Line Management & Nursing Care (2017) Mometrix.com (7.5 minute) Good illustrations & explanations

1. How many mmHg should the pressure bag be maintained?

300mmHg

2. List two reasons a patient would need an arterial line.

Patients receiving medications or infusions, such as long term antibiotics.

Patients who might need multiple infusions

3. What neurovascular and peripheral vascular assessments should be performed on a patient with an arterial line.

The 6 P's, pain, pulse, pallor, paresthesia, paralysis, poikilothermia

Perfusion, temperature, capillary refill, swelling

4. What medications can be given through an arterial line?

Chemotherapy

TPN/Lipids

Long-term antibiotics

Vasopressors

5. What is the phlebostatic access and how does it relate to the arterial line transducer?

Simplest way to obtain clean blood sample while eliminating blood waste and exposure

The transducer can read BP, it reads changing pressures, and goes up and down as the pressure does.

6. List three things to assess and document for arterial line removal

Numbness

Tingling

Edema