

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

Instructions: Complete the arterial line quiz and place in Ms. Kilpatrick's dropbox by noon on the day of Lab 1. Be prepared to discuss the information during the following Muddy Waters.

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

Arterial Lines Exam & Clinical Study Guide _____ **Kilpatrick** _____ **2020**

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

300mmHg

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

Obtain serial blood gas, continuous blood pressure monitoring

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

The nurse should assess for edema, pulse quality, numbness, tingling, temperature, color/pallor, Tenderness at site

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

No medications should be given through the arterial line

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

Phlebostatic axis is the point where the imaginary vertical line of the 4th intercostal space & an imaginary horizontal line intersects. The transducer should be equally levelled with the phlebostatic axis. If not, an overdamped waveform may occur. raising or lowering the bed can change the position of the transducer.

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

Length, tip of catheter, site assessment, Coloration, amount of blood on the dressing, place pressure on site for 5 minutes