

ARTERIAL BLOOD GAS SAMPLING

KEY ELEMENTS

EQUIPMENT AND PATIENT PREPARATION

1. Washes hands
2. Selects, gathers, and assembles appropriate equipment
3. Verifies, interprets, and evaluates physician's order
4. Checks chart for patient's condition, hematological information (anticoagulants, bleeding time) and type of disease
5. Identifies patient, self, and department
6. Explains procedure and confirms patient understanding

IMPLEMENTATION

7. Uses UNIVERSAL PRECAUTIONS throughout procedure
8. Tests for collateral circulation (ALLEN test)
9. Prepares puncture site
10. Prepares syringe (heparin)
11. Palpates and anchors artery
12. Reassures patient
13. Penetrates artery, obtains sample
14. Applies pressure to puncture site
15. Removes any bubbles and caps syringe
16. Labels sample (FIO2 or ventilator settings)
17. Reinspects puncture site
18. Assures analysis and resulting of sample

FOLLOW-UP

19. Maintains/processes equipment
20. Records pertinent data in chart and department records

PERFORMANCE RATING

- Student exhibits above average understanding of the procedure
- Student exhibits adequate understanding of the procedure
- Student exhibits limited or unsatisfactory understanding of the procedure - please comment below

EVALUATOR RECOMMENDATIONS

- Student can now perform procedure with minimal supervision
- Student requires additional lab practice

COMMENTS

EVALUATOR _____ DATE _____

BLOOD SAMPLING - ARTERIAL LINE

CAPILLARY SAMPLE

KEY ELEMENTS

EQUIPMENT AND PATIENT PREPARATION

1. Washes hands
2. Selects, gathers, and assembles appropriate equipment
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4. Checks chart for patient's condition, hematological information (anticoagulants, bleeding time)and type of disease
5. Identifies patient, self, and department
6. Explains procedure and confirms patient understanding

IMPLEMENTATION

7. Uses UNIVERSAL PRECAUTIONS in all procedures
8. Removes cap from 3-way stopcock
9. Cleans 3-way stopcock port with alcohol swab
10. Withdraws 2-3 cc of blood/fluid from arterial line
11. Closes 3-way stopcock (to port) and removes syringe
12. Connects ABG syringe, opens stopcock, and obtains blood gas sample (1 cc)
13. Closes 3-way stopcock, removes and caps syringe (clears bubble in syringe if present)
14. Clears arterial line, cleans port with alcohol swab, and replaces cap.
15. Leaves 3-way stopcock in correct position
16. Labels sample (patient sticker)
17. Assures analysis and resulting of sample

FOLLOW-UP

18. Maintains/processes equipment
19. Records pertinent data in chart and department records

KEY ELEMENTS

EQUIPMENT AND PATIENT PREPARATION

1. Washes hands
2. Selects, gathers, and assembles appropriate equipment
3. Verifies, interprets, and evaluates physician's order
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IMPLEMENTATION

7. Uses UNIVERSAL PRECAUTIONS in all procedures
8. Warms hand or heel for 5 minutes
9. Cleans site with alcohol swab, lances desired site, removes first drop of blood with alcohol swab
10. Gently squeezes finger (heel) and obtains blood sample in capillary tube
11. Correctly mixes blood with anticoagulant
12. Cleans puncture site with alcohol swab and uses clean compress to stop bleeding if necessary
13. Properly disposes of lancet and other wastes
14. Labels sample (patient sticker)
15. Assures analysis and resulting of sample

16. Maintains/processes equipment
17. Records pertinent data in chart and department records

PERFORMANCE RATING

- Student exhibits above average understanding of the procedure
- Student exhibits adequate understanding of the procedure
- Student exhibits limited or unsatisfactory understanding of the procedure - please comment below

ARTERIAL LINE

CAPILLARY

EVALUATOR RECOMMENDATIONS

- Student can now perform procedure with minimal supervision
- Student requires additional lab practice