UNIVERSITY OF ARKANSAS
PULASKI TECH

Assessment Report:
2019-2020:
RES 2203: NEONATAL & PEDIATRIC RESPIRATORY CARE
(Spring)

1. Name of individual compiling report: *Danah Beard*

2. Date of submission: *09/18/2020*

3. Is the assessment plan (*Check or highlight one*)

☐ an initial plan for the program ☐ a revision of an old plan ☐ unaltered from previous year

Course-Level Learning Outcomes-

1. What are the Course-Level Outcomes (CLOs)?

I. Name and describe 3 stages of fetal lung development and the gestational age at whileeach occurs.
2. Discuss physiologic considerations of respiratory care in pediatrics.
3. Discuss feelings of dealing with neonates and children and their parents.
4. Describe the appearance and types of genetic disorders.
5. State the gestational age at which a fetus is considered viable.
6. State the function and components of surfactant.
7. Describe the significance of the L/S ratio in predicting successful extra-uterine life.
8. Describe the placenta, umbilical cord and explain fetal circulation.
9. Discuss fetal blood sampling.
10. Explain the purpose of amniocentesis, APGAR and Dubowitz/Ballard evaluations.
11. Describe normal labor and delivery.
12. Explain the transition from a fluid-filled to an air-filled lung at birth.
13. Discuss thermoregulation in infants and cold stress in the newborn.
14. List factors affecting heat loss in infants.
15. Explain aseptic conditions in the nursery.
16. Differentiate between primary and secondary apnea.
17. Name maternal conditions and fetal conditions which may identify a high riskand/or fetus.
18. Describe clinical signs of cardiac and respiratory failure.
19. Describe usual signs and symptoms of an infant with aspiration syndrome.
20. Describe various diseases, abnormalities and pathological findings in newborns.
21. Discuss diagnostic procedures used to diagnose pathologies and abnormalities.
22. State the significance of meconium stained amniotic fluid.
23. Describe and demonstrate intubation and resuscitation in infants and children. NRPcertification
24. PALS certification.
25. Explain the use of CPAP and pediatric mechanical ventilation.
26. Define ECMO and state when it is useful.
27. Understand the insertion techniques and application of an umbilical catheter.
28. Understand the technique and application of CBG sampling to include normal values.

2. Which CLOs were addressed for this academic year? (2019-2020)

All CLOs are addressed each year as they are imperative to competence of students performing patient care.

3. Which CLOs are being addressed in your assessment plan next academic year? (2020-2021)?

All CLOs are addressed each year in the assessment plan. All CLOs are assessed with written exams and live student evaluations of competencies prior to performance on patients.

4. Explain the assessment cycle.

Didactic evaluations are with paper/pencil tests and all laboratory competencies are evaluated one-on-one with students in the laboratory prior to performance of competency in patient care. Students are required to perform a second competency evaluation with preceptors at the bedside prior to autonomy with patients in care delivery.

5. What are the assessment methods? Are they direct or indirect?

All assessment methods are direct and require satisfactory performance on both written assessments and clinical competencies demonstrated in all laboratory experiences.

6. What are the assessment goal(s)?

To prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).

7. What were the findings for this academic year? (2019-2020)

100% of 2020 graduates were both clinically and didactically successful and obtained employment in local hospitals.

8. What is your analysis of the findings?

All didactic and clinical training is sufficient to meet CoARC standards for respiratory care practice.

9. What is the action plan for the next academic year? (2020-2021) Explain.

1. To continue to present didactic, laboratory, and clinical materials and rotations currently utilized for students to ensure successful completion of the program.
2. Currently added tutoring on Fridays to assure retention of students in the program.
3. Recently added 3 hospitals and 1 DME to clinical rotations for student to ensure variety of clinical experiences is obtained by respiratory students.