

Pulmonary  
Critical Care  
Solutions, LLC

## **Enhanced Respiratory Program Curriculum**

### **Preparing respiratory students for their clinical rotations**

#### **Who Are We**

Pulmonary Critical Care Solutions is a team of pulmonary specialist. Our instructors have a wealth of in-depth clinical practice background and can provide specific targeted onsite advanced training for your students in a variety of critical areas. Through lecture and hands on labs we can provide an enhanced educational experience for your students. They will be interacting with seasoned clinicians and learning valuable critical care tools. This will give them advanced level patient care skills prior to them going on site at your clinical affiliates. We will work with the program instructors at the school to compliment their ongoing lesson plans. We feel that this program can set your school apart as a forward looking leader in the highest educational opportunities.

#### **Our Training Sessions**

**ABG's:** A thorough explanation of ABG interpretation and clinical applications will give your students additional advantages for understanding one of the most important diagnostic tools for respiratory therapist. ABG's are also revisited in some of the other educational modules. (by Dr. James Coulter MD)

**Invasive Ventilation:** students will be walked through advanced training regarding lung protective strategies, recruitment maneuvers, managing your patient based on ABG results, applying heliox appropriately, weaning utilizing SBT's, ventilator bundles will also be covered. (Paul Luehrs, BSRT, BSE)

**Non-invasive Ventilation (NPPV):** lecture and hands on labs will bring students up to the latest strategies of hypercapnic versus hypoxemic treatment. Many therapists are unaware of the differing approaches to these two entities when it comes to Non-invasive ventilation. Your students will understand specific algorithmic treatment plans as well as when NPPV is not appropriate to be continued such as in identifying ARDS and moving for rapid intubation. (Jack Edge, RRT, RCP)

**Pediatrics and Neonates:** RT's are in high demand in this critical area of

specialized patient care. Our instructor has 20 years of experience in this field and can provide your students with invaluable insight into current respiratory clinical practice. Topics that can be covered include: fetal circulation, neonatal/pediatric assessment, various diseases such as RDS, BPD, ROP, Asthma, Cystic Fibrosis, review of CXR's, heart defects, ventilator management and an equipment lab session. (Angie Caufield, RRT-NPS)

**Pulmonary Function Studies:** Our instructor has extensive experience in not only performing pulmonary function studies but in managing a large PFT lab at a major health care center. Topics to be covered include pre and post spirometry, lung volumes, diffusion studies and more.(Martin Rohrer, BS, RRT, CPFT)

**We are very pleased to provide special sessions with Pulmonologist Dr. James Coulter.** He has over 30 yrs experience with all facets of pulmonary care. Dr. Coulter will spend time with your students reviewing various pulmonary diseases, evaluation of the pulmonary patient and discussing treatment options, as well as chest x-rays and other diagnostic tools.

### **Fees**

Our goal is to keep cost as low as possible. We feel that by using a student fee approach paid by each student at the beginning of the year and spreading the cost across the total number of students we can achieve this goal. This does mean that the fee amount will be dependent upon the number of students. Our total Fee is 2200.00 for 4 sessions during the course of one school year. You can choose which 4 sessions would be most helpful to you. As an example if you have 15 students the individual fee paid by each student would be \$146.66 per student for that school year. Less than 4 sessions can be scheduled at a rate of 600.00 per course. The NPPV course will be added at no extra charge if 4 other courses are scheduled.

If you would like to schedule an appointment to meet with us and our instructors to discuss how we can be of service to assist you in the education of our future leaders of Respiratory Care in any way please contact me at:

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