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Smoking Hot Lung Disease Update: Time to Vent!

This presentation will cover the latest information on assessment and management of lung disease. The presenter will move the conversation away from the classic "blue-bloater, pink puffer" and toward current thinking about obstructive and restrictive lung diseases. Modalities such as BLS med administration, non-invasive PPV, and oxygen administration strategies. Real life case studies, radiographs and lung sound audio recordings will be used.

Dr. Jeffrey Rabrich has been involved in EMS for over 20 years. Dr. Rabrich started his career in EMS as a volunteer EMT in Rockland County, NY and has worked as an EMT, Paramedic, and flight medic. Dr. Rabrich has worked as a field paramedic in the NYC EMS system as well as Rockland County with Rockland Paramedic Services. Dr. Rabrich is a graduate of the New York College of Osteopathic Medicine, and completed a residency in Emergency Medicine at St. Lukes Roosevelt Hospital in Manhattan.

After attending this session, the learner will be able to:

1. Explain basic pathophysiology of lung disease
2. Discuss the appropriate use oxygen therapy
3. Explain proper ventilation technique for a variety of pulmonary pathologies

Outline:

1. Respiratory anatomy and physiology
2. Oxygen is bad!
 - a. Proper use of oxygen therapy
3. Emphysema and bronchitis
 - a. What is it really
 - b. How do we treat it
4. Asthma
 - a. BLS treatment strategies
 - b. ALS treatment strategies
5. PPV
 - a. Non-invasive
 - i. Is CPAP a BLS skill?
 - ii. BVM technique
 - b. Invasive
 - i. Intubation
 - ii. ETCO₂ not just for tubes
 - c. Ventilator management