

## **Anusha Balakrishnan**

### **Veterinary ARDS and refractory hypoxemia- a review**

The goal of this session is to briefly review the pathophysiology of acute lung injury and ARDS as well as updated nomenclature in humans with the Berlin definitions. This will be followed by a brief review of current veterinary evidence and efforts to develop updated veterinary definitions. The last section of this talk will focus on refractory hypoxemia and some strategies including novel modes of ventilation to address this.

### **Sepsis and septic shock- decision-making in the trenches**

This will be a case-based session that pulls in real-life cases seen in the emergency setting with a specific focus on clinical decision making in the areas of diagnosis sepsis, source control (specifically with regards to surgical decision-making), antimicrobial choices given real-world limitations as well as vasopressor choices. The cases will invite discussion surrounding ideal decisions based on current evidence as well as necessary compromises given common limitations in the ER surrounding owner financial resources, drug shortages and other limitations.