

The Veterinary Clinical Application of Capnography







LEARNING OUTCOMES

1. Clinical value of EtCO₂ 2. How to read and interpret abnormal capnography

END-TIDAL CARBON DIOXIDE

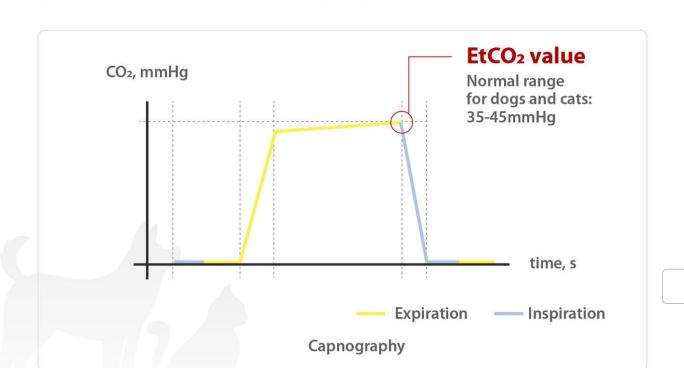
End-tidal carbon dioxide (EtCO₂) shows the level of CO₂ that is released at the end of an exhaled breath. EtCO₂ levels reflect the concentration of CO₂ in the blood that is carried back to the lungs and exhaled.

EtCO₂ < 35mmHg

- Hyperventilating
- · Cardiac output derceasing
- · Cardiopulmonary arresting

EtCO₂ > 45mmHg

- Hypoventilating
- Metabolism increasing
- CO₂ rebreathing

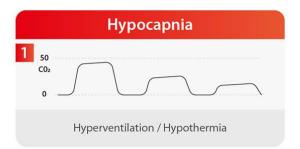


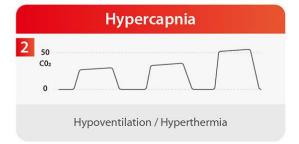


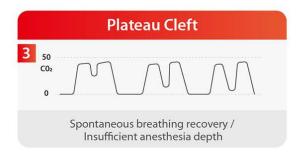
CAPNOGRAPHY QUICK GUIDE REFERENCE

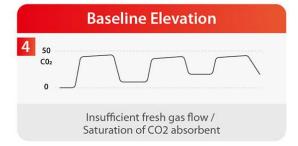
Common patterns of abnormal capnography and possible reasons

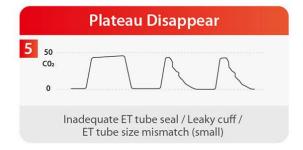


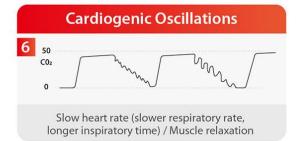


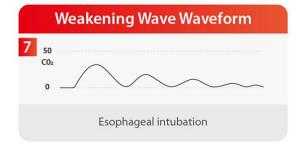


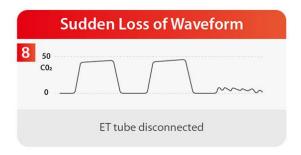


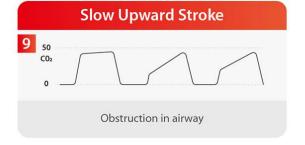














Precise EtCO₂ Monitoring



Artema technology

- Accurate sidestream
 CO₂ measurements
- Sampling rate

 auto-adapted by the
 water trap

Low dead space adapter

- · Safe anesthesia for animals < 3kg
- · Reducing repeated inhalation of CO₂



Mainstream CO₂ sensor

