

Slide 1

**What is Happening?
Reading Between the Lines**

Amanda M. Shelby
BSc, RVT, VTZ (Anesthesia & Analgesia)
GASRI_VTS@gmail.com
www.linkedin.com/in/amanda-m-shelby-vts




Presentation is interactive, participation is anonymous and optional

Slide 2


Objectives

- > Enhance a 'whole' patient evaluation & assessment
- > Use critical thinking skills
- > Broaden understanding of peri-anesthetic complications & limitations of monitoring equipment
- > Advance the anesthetist monitoring skills




Slide 3

Poll 1 What is happening with this ECG?




Down dog, MRI +/- surgery
Premeds: dexmedetomidine + hydromorphone IM
*side-stream capnograph




Slide 4

What is happening in this capnograph?



Slide 5

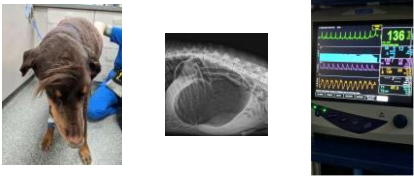
Poll 2 Q1: What is this patient's heart rate?



Poll 2 Q2: What you characterize this ECG?


Slide 6

Poll 3: What is happening to the plethysmograph?



Slide 7



Poll 4 What is happening in this case?



A. Hypoxemia
B. Hypotension
C. Hypoperfusion
D. All the above (and more)

Slide 8

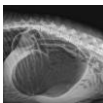

Poll 5 What is happening?



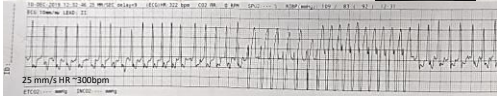
A. Blood pressure transducer fell off table (below heart)
B. Cushing Reflex
C. Over dampening of arterial waveform causing falsely low heart rate
D. None of the above

Slide 9

Poll 6 Q1: What is happening in this arrhythmia?



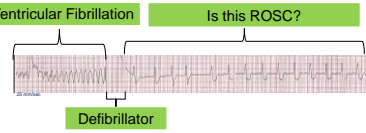
Doberman
Grain free diet
Weak femoral pulses
Ataxic
Retching/vomiting
Lethargic
Hypotensive/tachycardic



Poll 6 Q2: What is your treatment of choice?

Slide 10

Poll 8 Does this patient have ROSC?



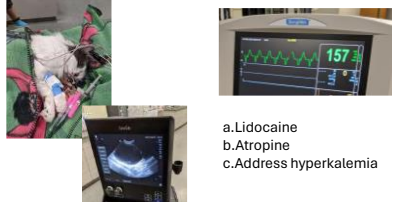
Treatment of Pulseless Arrhythmias:

Ventricular Fibrillation	Asystole/PEA
> CPR	> CPR
> Defibrillation/Precordial thump	> Epinephrine or Vasopressin

Photo credit: Brody, J. R. & Melnick, S. R. (2013). Resuscitation (Emergency Medicine). New York, NY: McGraw-Hill Education.

Slide 11


Poll 9 What is your treatment of choice for this arrhythmia?



a. Lidocaine
b. Atropine
c. Address hyperkalemia

Slide 12

What is happening here?

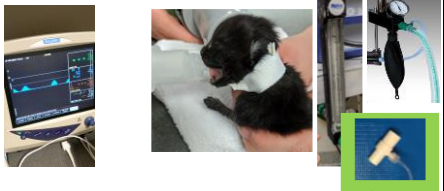


A. Pulseless electrical activity (PEA)
B. Electrodes attached incorrectly
C. Normal cat ECG
D. Electrical interference

**ECG, pulse ox and Capnograph is attached to patient.

Slide 13

Poll 10: Why is the ETCO₂ low?



Sidestream
