CPCR in Small Mammals + Birds

No Respirations
Pulses present

-Turn off anesthesia if using
-Establish airway and ventilate with 100% O_2 if possible
or tight mask with O_2 and positive pressure ventilation (12/min)
-Doxapram 1-2 mg/kg IV/IO/IM
-Atropine 0.02 mg/kg IV/IO if bradycardic (glycopyrrolate in rabbits/rat @ 0.01 mg/kg)
-Reverse narcotics, other analgesics

-When ventilating on its own continue O_2 support until awake
-ECG and systolic blood pressure
-Temperature
-Bloodwork
-Treat underlying disorder

No Respirations
No Pulse or Heartbeat

-Turn off anesthesia or reverse analgesia drugs if possible
-Establish airway and ventilate with 100% O_2 if possible or tight mask with O_2 and Positive pressure ventilation at 20/min
-Mammals: 100-120/chest compressions per min
-Birds: Compress keel for ventilation 5 x/min
Doxapram 1-2 mg/kg IV/IO/IM
-Consider fluids if hypovolemic

ECG

Ventricular Fibrillation

Defibrillate at 5-10 joules/kg x 3 (Not in birds or mammals< 1 Kg

*PEA

-Epinephrine 0.01 mg/kg IV/IO +double dose for endotracheal use via red rubber tube
-Atropine 0.02 mg/kg IV/IO + double dose endotracheal
+/- vasopressin 0.8 U/kg IV/IO or double dose endotracheal

Asystole

Vasopressin 0.8U/kg and/or Epinephrine as for PEA

No response in 5 min-open chest CPR

Bradycardia

-Atropine 0.2 mg/kg IV/IO or double dose for endotracheal
-Use glycopyrrolate 0.01 mg/kg IV/IO or endotracheal in rabbits/rat

*PEA=Pulseless Electrical Activity