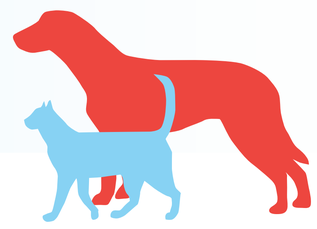
CPR Algorithm for Dogs and Cats



RECOVER

Start BLS

2 full minutes, no pauses

1. **Chest Compressions**
   100-120 / minute
2. **Ventilation**
   every 6 seconds

Start ALS

3. **Monitoring**
   ECG
   $ETCO_2$ 18+ mmHg
4. **IV Access**
5. **Reversals**

Pause & Check

< 10 seconds

Rhythm Diagnosis | Pulse Palpation

No Pulse

Shockable
VF / Pulseless VT

BLS | Charge Defib
dose x2 after 1st

Pause & Shock

Refractory Shockable
2 or more shocks

Suggest

Vasopressin or Epinephrine
every other cycle

Antiarrhythmics
Amiodarone in cats
Lidocaine in dogs

Esmolol

Pulse

ROSC

PCA Algorithm

No Pulse

Non-Shockable
Asystole / PEA

Epinephrine
or Vasopressin
every other cycle

Suggest

Atropine
once, as early as possible

Prolonged CPR > 15 min

Shockable or
Non-Shockable

Suggest

Bicarbonate
especially if pH < 7.0

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