Is the cat hypotensive?
MAP <60 mmHg (oscillometric or direct), SAP <90 mmHg (Doppler)

- Yes: Assess anesthetic depth
- No: Continue to monitor

Can the vaporizer setting be lowered?

- Yes: Does blood pressure improve?
  - Yes: Give a crystalloid bolus: 15 ml/kg over 10–15 mins or start colloids: 5 ml/kg over 10–15 mins; Consider possibility of underlying heart disease
  - No: Treat for bradycardia
- No: Does blood pressure improve?
  - Yes: Continue to monitor
  - No: Dopamine 5–10 µg/kg/min IV or dobutamine 1–5 µg/kg/min IV or ephedrine 0.1–0.2 mg/kg IV

Does blood pressure improve?

- Yes: Continue to monitor
- No: Is the heart rate <100 bpm?
  - Yes: Give a crystalloid bolus: 15 ml/kg over 10–15 mins or start colloids: 5 ml/kg over 10–15 mins; Consider possibility of underlying heart disease
  - No: Treat for bradycardia

This algorithm is from the AAFP Feline Anesthesia Guidelines, published in JFMS in July 2018 and available at catvets.com/guidelines

Key IV = intravenous; MAP = mean arterial pressure; SAP = systolic arterial pressure