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?

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

No

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

Is the heart rate <100 bpm?

Yes

No

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