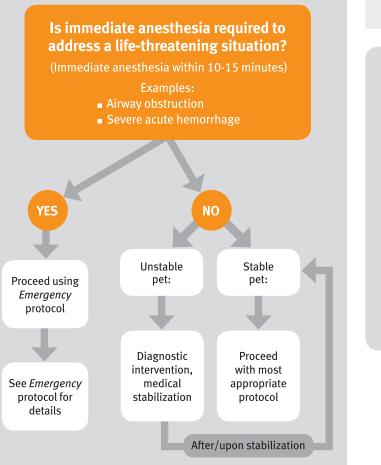
PREANESTHETIC EVALUATION

PROCEDURE

- 1. Review complete patient history
- 2. Perform complete physical examination
- 3. Evaluate preanesthetic clinical pathology data
- 4. Assign ASA status and communicate with owner as needed
- 5. Determine most appropriate anesthetic protocol based on patient evaluation
- 6. Assess and anticipate patient analgesic requirements
- 7. Assign/identify dedicated monitoring associate
- 8. Complete Anesthesia Machine Checklist
- 9. Administer premedication drugs
- 10. Perform pre-induction physical examination and proceed to induction if clinically indicated

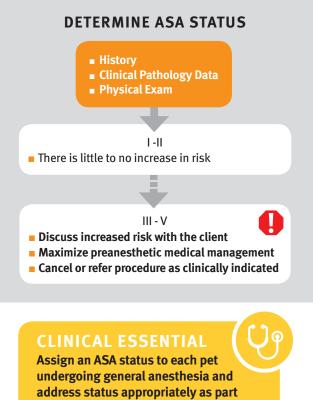
GENERAL ANESTHESIA: PATIENT STABILITY AND TIMING



CLINICAL ESSENTIAL

Address and resolve physical examination abnormalities that may negatively impact anesthesia (*e.g.*, dehydration, obesity) prior to anesthesia when possible, especially with elective procedures

1			
•	Healthy pet, no disease	Elective OVH or castration	
	Mild systemic disease or localized disease	Healthy geriatric pet, mild anemia or obesity	
	Moderate systemic disease limiting activity but not life-threatening	Mitral valve insufficiency, collapsing trachea, poorly controlled diabetes	
•	Severe systemic disease; incapacitating; life- threatening; not expected to live without surgery	Hemoabdomen from splenic rupture, severe traumatic pneumothorax, organ failure	
	Moribund; not expected to live >24 hours, with or without surgery	Multi-organ failure, severe shock, terminal malignancy	



of the preanesthetic evaluation

For additional information see the Medical Quality Standards chapter

PREANESTHETIC CLINICAL PATHOLOGY EVALUATION



Perform further diagnostics to look for underlying causes

> Postpone elective procedures if possible



> DO NOT PROCEED WITH GENERAL ANESTHESIA

Institute medical management of underlying disorder or consider referral

Parameter	() Stop	Considerations	X Critical Stop	
Blood Glucose (BG) (mg/dL)	Canine: >175 Feline: >250 OR <70	 If high, recheck in a few hours If non-elective proceed with most appropriate protocol If low, recheck to ensure accuracy If non-elective proceed with IV dextrose and recheck frequently 	<50 OR >600	
Total Protein (TP) (g/dL)	< 4.5	 If nonelective procedure, provide colloid support 	<3	
Albumin (g/dL)	<2	If nonelective procedure, provide colloid support	<1	
Calcium (Ca²+) (mg/dL)	<8 OR >12	 Check albumin levels If nonelective procedure, proceed with <i>Cardiac</i> protocol 	<7 OR >16	
Sodium (Na⁺) (mEq/L)	<135 OR >170	 Recheck to ensure accuracy, assess hydration and neurologic status 	<125 OR >180	
Chloride (Cl ⁻) (mEq/L)	<100 OR >135	If hyperchloridemic ensure pet is not receiving KBr	<90 OR >145	
Potassium (K*) (mEq/L)	<3.5 OR >6	 Obtain ECG tracing If nonelective procedure, provide appropriate fluid support and recheck K* before proceeding to anesthesia If K* improves, proceed with appropriate protocol and recheck frequently 	<2.5 OR >6	
Hematocrit % (HCT) Packed Cell Volume % (PCV)	Canine: <25 or >55 OR Feline: <20 or >45	 If nonelective procedure, provide transfusion support for anemia Assess volume status for hemoconcentration 	Feline: <15 Canine: <20 OR >60%	
Platelets (/ul)	<200,000	 Confirm with peripheral blood smear and manual count Confirm as above and perform appropriate diagnostic testing for thrombocytopenia 	<60,000	
White Blood Cells (WBC) (/ul) Neutrophils (/ul)	WBC <4000 Neutrophils <2000 OR WBC >30,000	 Confirm with blood smear and manual differential count Perform additional diagnostics to assess If nonelective procedure, use disease appropriate protocol 	WBC <2000 OR Neutrophils <1000	
Blood Urea Nitrogen (BUN) (mg/dL)	<pre><normal range<="" td=""><td> Perform additional diagnostics to assess Check urine specific gravity (USG) </td><td>N/A</td></normal></pre>	 Perform additional diagnostics to assess Check urine specific gravity (USG) 	N/A	
Creatinine (mg/dL)	<pre><normal canine:="" or="" range="">1.8 Feline: >2.2</normal></pre>	 Perform additional diagnostics to assess Check urine specific gravity (USG) 	N/A	
Alanine Aminotransferase (ALT) (U/L) Alkaline Phosphatase (ALP) (U/L)	Canine: >2 x upper limit of normal range Feline: >normal range	 Postpone procedure if appropriate Hepatic evaluation if medically indicated If nonelective procedure, use <i>Abdominal/Hepatic</i> protocol 	N/A	
Bilirubin (mg/dL)	>2.0	 Recheck to assess for iatrogenic hemolysis Check PCV/HCT/blood smear/slide autoagglutination to evaluate for hemolysis If nonelective procedure, use <i>Abdominal/Hepatic</i> protocol 	N/A	

CLINICAL ESSENTIAL

Obtain and review clinical pathology data prior to general anesthesia. Verify, document and address all clinically significant abnormalities prior to premedication, communicate to the team, and discuss with the client. Dismissal of abnormal results is not permitted.



Content is derived from Anesthesia and Analgesia for the Veterinary Practitioner: Canine and Feline