

Pre-op Testing Guidelines for Intermediate and high risk operations only

*****Non-fasting specimens accepted unless otherwise specified.**

		EKG ¹	CXR ²	WCBC	BUN/Creat/Lytes	Ca+	PT/INR	LFT	BS	Preg test	UA	Drug Levels ⁴	
Acceptable age of study w/in months		3 mo	6 mo	1 mo	3 mo	1 mo	3 mo	6 mo	3 mo	2 wks		3 mo	
High Risk Surgery	Major or peripheral vascular surgery with major blood loss or fluid shifts involving the head, chest, or abdomen + see Intermediate Risk	•	•	•	•								
Intermediate Risk -	Carotid, uncomplicated head & neck, intra-abdominal, thoracic, hip and related orthopedic + see Low Risk	See clinical indicators below for recommended tests											
Clinical Indicators	Age	Male/Female > or = 65		•	•								
		Menstruating Females		•						• ⁵			
	Smoking (w/in 5 yrs)	> or = 40	•										
	Alcohol/Drug History							•				• ⁷	
	Medications	ACEI, ARB				•							
		Diuretic				•							
		Steroid				•				•			
		Anticoagulation						• w/in 3 wks ⁸					
		Chemotherapy			•								
		valproic acid (Depakene) - digoxin											•
		phenytoin (Dilantin) - lithium - phenobarbitol											•
	cardbamazepine (Tegretol) - theophylline											•	
	Cardiac Disease	Cardiac Disease/PVD/HTN	•		•	•							
		CHF	•	•		•							
	Pulmonary Disease	COPD	•	• ⁹									
		Obstructive Sleep Apnea	•										
	GI	Bleed				DOS ⁶							
		Liver Disease			•			•	•				
	Renal Disease	Insufficiency	•		•	•							
		Dialysis	•		DOS ⁶	DOS ⁶		•					
Urinary Symptoms											•		
Endocrine	Diabetes Mellitus	•			•				• ³				
	Family History of Diabetes Mellitus												
	Morbid obese (BMI > 35)	•							•				
	Thyroid	•											
Hematologic Disease	Parathyroid disease	•				•							
	Metastatic Cancer			•		•		•					
	History of Anemia/Bleeding			•									
Low Risk	Refer to Preop Prep Guidelines												

¹ EKG - w/in 3 weeks for active cardiac problems/symptoms.

² CXR - w/in 3 weeks for active cardiac/respiratory problems or recent abnormal CXR.

³ BS - Fasting glucose w/in 3 weeks, consider HgA1C.

⁴ Trough levels within 3 months or recent change in dose.

⁵ Pregnancy test w/in 14 days of surgery or normal period or menopausal or signed waiver or prior sterilization.

⁶ Day of surgery - or following last episode of dialysis for dialysis patients

⁷ Alcohol or drug screen if active use suspected

⁸ PT day of surgery if warfarin dosing within 5 days of surgery or previously supra-therapeutic

⁹ If change in symptoms over last 6 months

References -

*ACC/AHA 2007 Guidelines on Periop Cardiovascular Evaluation and Care for Noncardiac Surg

*Best Practice for Preoperative Testing; Perioperative Medicine Summit, Univ. of Miami, 2013

*Practice Advisory for Preanesthesia Evaluation-Updated; Anesthesiology 2012; 116:522-538

*Preoperative Medical Evaluation of the Healthy Patient; Up-to-date Current through 3/13

*Preoperative Hct Levels & Post-op Outcomes in Older Pts Undergoing Non-cardiac Surgery

*Advisory AHA (Obese Patient) Circ July 7, 2009; 120(1):86-95

*ACS NSQIP AGS Geriatric 2012 Guidelines

*Millers Anesthesia, 7th edition 2009