

Anesthesia Preoperative Screening Protocol

These guidelines are for patients undergoing **Intermediate-Risk & High-Risk Surgeries** based on comorbidities.

Patients having **Low-Risk Procedures** require no preoperative testing. (See "Low Risk Procedures")

All tests are valid for three months prior to surgery unless otherwise indicated.

	CBC w/ plt	T/S	HCG	PT/INR	BMP	Gluc	LFT	EKG	CXR	U/A	TFT (TSH, T4, T3)
Disease-Based Indications											
Age ≥ 60	x							x			
Anemia	x										
Bleeding Disorder/ Hematologic abnormality	x			x							
Cardiac Clinical Risk factors (see below)	x							x	x		
Cardiac Disease: (CAD, CHF, arrhythmia, Valvular disease, congenital, hx surgery or angioplasty)	x							x	x		
Cerebrovascular disease	x				x	x		x			
Diabetes mellitus (1)					x	x		x			
Hepatic disease (hepatitis, cirrhosis, alcohol abuse)	x			x	x	x	x				
Hypertension (On one or more medication OR SBP >160, DBP >100)					x			x			
Malignancy/History of Chemo within 6 months	x			Leukemia only	x	x		x			
Morbid Obesity (BMI >40)					x	x		x			
Peripheral vascular disease	x				x			x			
Pregnancy Possible (2)			x								
Poor exercise tolerance (<4mets)								x			
Pulmonary disease (COPD, Emphysema, smoker >40 Pack year)	x				x			x	x		
Renal disease (ESRD, Dialysis, Cr >2)	x				x			x			
Systemic Lupus	x				x			x	x		
Thyroid disease (new or symptomatic)											x
UTI suspected										x	
Therapy-Based Indications											
Anticoagulation	x			Day of Surgery							
Digoxin	x				x						
Diuretics					x						
Steroids					x	x					
Procedure-Based Indications											
Significant blood loss expected	x	x			x			x			
Use of radiographic dye					x						
High Risk surgical procedure	x	x		x	x	x		x			

*Symptomatic or active process only

- (1) Accu-check on arrival day of surgery (2) Pregnancy testing indicated for all females 12-50 (see guidelines)
- Drug levels not required for theophylline, digoxin, antiseizure or anti arrhythmic medications unless patient has been symptomatic
- Patients who are on dialysis or who have estimated GFR <20ml/min should have K+ drawn day of surgery
- Cardiac Clinical Risk factors: Hx heart disease, compensated or prior CHF, cerebrovascular disease, diabetes, renal insufficiency

Surgical Risk Categories

High Risk	Highly invasive, potential blood loss >500cc, Major fluid and electrolyte shifts require CBC, BMP, EKG, T&S
ENT	Radical neck procedures
General	Adrenalectomy, Major GI reconstruction, Whipple, Liver resection, AP resection, Emergency exploratory laparotomy
GYN	Pelvic exenteration
Neuro	Intracranial procedures
Orthopedic	Major spine instrumentation (multi-level fusion) Anterior/Posterior spine surgery
Thoracic	Thoracotomy, esophagectomy, VATs, paraesophageal hernia
Urologic	Radical nephrectomy, Prostatectomy, Cystectomy
Vascular	Aortic surgery, Bypass grafts of major vessels, Carotid surgery

**Intrathoracic procedures may require PFT's and ABG as indicated by history

Intermediate Risk	Moderately invasive, blood loss usually <500, Fluid shifts usually not significant
Breast	Tram, DIEP flap
ENT	Sinus, Septoplasty, Tonsillectomy, Adenoidectomy
Oral surgery	Osteotomy/TMJ surgery
General	Cholecystectomy, Colon resection, Splenectomy, Robotics, Bariatric surgery, Thyroidectomy, Diagnostic laparoscopy, Appendectomy, Abdominal wall reconstruction, Liver biopsy, Ileostomy closure, laparoscopic peritoneal dialysis catheter placement
GI	ERCP
GYN	Bilateral salpingectomy oophorectomy, Cesarean delivery, hysterectomy, tubal ligation, myomectomy, pelviscopy, hysteroscopy, Robotic surgery
Orthopedic	Total joints, ORIF large bones, Shoulder arthroscopy, Spine laminectomy/fusion <3 levels, Spine discectomy, ACDF
Plastics	Abdominoplasty, Breast reconstruction, Upper/lower body lift
Urologic	TURP, TURBT, Bladder biopsy, Penile prosthesis,
Vascular	Peripheral vessel bypass, AV fistula creation

Low Risk	Minimally invasive, minimal blood loss and fluid shifts, no additional labs needed
Cardiac	TEE, Cardioversion
Dental	Dental procedures (adult and pediatric)
ENT	Hyoid suspension, Direct laryngoscopy, PE tubes, T&A, Mastoidectomy
Eye	Vitrectomy, cataracts
General	Axillary lymph node dissection, breast biopsy, hemorrhoidectomy, excision of benign lesion, I&D abscess, Pilonidal cyst, Breast tissue expander placement, Melanoma excision, all hernias, mastectomy
GI	EGD/Colonoscopy
GYN	D&C, Cervical cerclage, cervical conization, LEEP, Ablation
Orthopedic	Carpal tunnel release, Joint manipulation, Knee arthroscopy, Hip arthroscopy, hand surgery
Podiatry	Bunionectomy
Urology	Cystoscopy, ESWL, laser lithotripsy, orchiectomy, prostate biopsy or seed implant, ureteroscopy, hydrocelectomy, cystolithotomy, circumcision, vaginal tape procedure
Vascular	Varicose vein surgery, angiogram, balloon dilation of peripheral vessel