



Department of Anesthesiology Pre-operative Testing Guidelines

Please order only those tests required for the surgical procedure. Tests required by the anesthesiologist will be ordered by Pre-surgical screening according to the following grid.

TEST	CRITERIA	TIME FRAME To Procedure
COMPLETE BLOOD COUNT (CBC)	<ul style="list-style-type: none"> ▪ Major surgery in which a group and screen will be required. ▪ Known or suspected anemia, bleeding disorder, or bone marrow suppression ▪ Current diagnosis of malignancy. ▪ Chronic cardiovascular, respiratory, hepatic or renal systems disease. ▪ Sickle cell risk ▪ Age less than one year. 	<p>Within 3 months</p> <p>Autologous blood donors (to be repeated day of surgery)</p>
INR, PTT	<ul style="list-style-type: none"> ▪ Therapy with heparin or warfarin ▪ Bleeding disorder or history of excessive bleeding or bruising ▪ Hepatic disease, excessive alcohol use, poor nutritional status 	<p>Within 3 months</p> <p>Repeat within 24 hours of OR if abnormal</p>
ELECTROLYTES, CREATININE	<ul style="list-style-type: none"> ▪ Renal disease ▪ Hypertension ▪ Diabetes mellitus, pituitary, or adrenal disease ▪ Therapy with diuretics, digoxin, ACE inhibitors, lithium carbonate, corticosteroids, NSAIDs. 	<p>Within 3 months</p>
BLOOD GLUCOSE	<ul style="list-style-type: none"> ▪ Diabetes mellitus 	<p>Capillary glucose in a.m. of OR</p>
GROUP & SCREEN or CROSSMATCH	<ul style="list-style-type: none"> ▪ To be determined by the Surgical Blood Order Schedule 	<p>Within 6 weeks</p>
SICKLE CELL SCREEN	<ul style="list-style-type: none"> ▪ African, Caribbean, Saudi Arabia descent ▪ Hemoglobin electrophoresis if sickle cell screen is positive 	<p>Anytime</p>
SERUM BETA HCG Pregnancy Test	<ul style="list-style-type: none"> ▪ Women of childbearing years if pregnancy is suspected or if the patient is unsure 	<p>In a.m. of OR</p>
ECG	<ul style="list-style-type: none"> ▪ Cardiac dysrhythmia, pacemaker, automated implantable defibrillator ▪ Coronary artery disease, valvular heart disease, congenital heart disease ▪ Hypertension, diabetes mellitus, ▪ Peripheral vascular disease ▪ Chronic pulmonary disease ▪ Cerebrovascular accident, TIA ▪ Age 65 or greater 	<p>Within 3 months</p>
CHEST X-RAY	<ul style="list-style-type: none"> ▪ History of active cardiac or pulmonary disease ▪ Cardiac and thoracic surgical procedures ▪ At the discretion of the surgeon for investigation of metastatic disease 	<p>Within 3 months</p>
Cervical Spine Flexion and Extension Radiograph	<ul style="list-style-type: none"> ▪ History of Rheumatoid arthritis and no cervical spine x-ray within the last year. 	<p>Within 12 months</p>



Guidelines for Preoperative Evaluation by an Anesthesiologist

Patients may be referred for an anesthetic consult at the request of the patient or the surgeon to discuss the risks and benefits of the various anesthetic and pain management techniques. In addition, the Department of Anesthesiology recommends that patients with the following conditions be referred for a preoperative evaluation by an anesthesiologist in the Pre-Surgical Screening Unit.

	CRITERIA
Anesthesia considerations	<ul style="list-style-type: none"> ▪ Personal history of anesthesia-related serious adverse event ▪ Personal or family history of malignant hyperthermia (not <u>required</u> if the patient has had a previous uncomplicated general anesthetic) ▪ Anticipated or past history of difficult intubation
Surgical Procedures	<ul style="list-style-type: none"> ▪ Major vascular, cardiac, or intrathoracic procedures ▪ Implantable cardiac defibrillator procedures
Medical	<ul style="list-style-type: none"> ▪ Poor functional capacity (unable to walk 1 block or climb one flight of stairs) ▪ Unusual or complicated medical condition ▪ Recent deterioration of chronic medical problem ▪ Myocardial infarction or unstable angina within the last 6 months ▪ Structural heart disease (valvular, congenital, or transplant) ▪ Congestive heart failure within the last 6 months ▪ Implantable cardiac defibrillator in situ
Respiratory	<ul style="list-style-type: none"> ▪ Asthma or obstructive lung disease requiring home oxygen or hospital admission within the past 6 months ▪ Untreated obstructive sleep apnea patients (including patients with symptoms who have not had a sleep study) ▪ Pulmonary hypertension
Central Nervous System	<ul style="list-style-type: none"> ▪ Neuromuscular disease (e.g., myasthenia gravis, muscular dystrophy) ▪ Quadriplegia
Other	<ul style="list-style-type: none"> ▪ Morbid obesity (body mass index > 40) ▪ Anemia (<100) ▪ Bleeding disorders (e.g., hemophilia, von Willebrand's) ▪ Dialysis-dependent renal dysfunction ▪ Sickle Cell Disease