

## Pre-Op Testing Criteria, MMCI

		Within 30 days of procedure unless noted otherwise						
Finding	Procedure / Notes	EKG/CXR	CBC	BMP	CMP	Coag	Other	
<b>Exam</b>								
Rales / Rhonchi	(all)	CXR						
Tracheal Deviation	(all)	CXR						
Irregular Heartbeat / Pulse	(all)	EKG						
<b>Symptom - now or past 6 months***</b>								
***unless clearly from non-cardiac problem								
Angina/Chest Pain	(all)	EKG						
Dyspnea	(all)	EKG & CXR						
Orthopnea/Nocturnal Dyspnea	(all)	EKG						
Leg swelling, increased	(all)	EKG						
<b>History</b>								
<b>Respiratory</b>								
Suspected Pneumonia	(all)	CXR						
Pulmonary Masses, if possibly causing obstruction or mass effect		CXR						
Tracheal Deviation	(all)	CXR						
Pulmonary Htn, "moderate or severe"	(all)	CXR						
COPD requiring home Oxygen	Low risk Procedure							
COPD requiring home Oxygen	Int/High risk Procedure	EKG						
<b>Cardiovascular (Includes treated conditions, including prior CABG or angioplasty/stent)</b>								
Coronary Artery Disease, asymptomatic	Low risk Procedure	<i>NO EKG if asympt.</i>						
Coronary Artery Disease, asymptomatic	Intermed/High risk Proc.	EKG						
Valvular Heart Disease except MVP	(all)	EKG						
Congestive Heart Failure / Cardiomyopathy	(all)	EKG						
Cong. Heart Failure, Active/Current	(all)	EKG & CXR						
Hypertension	Low/Intermed. Risk Proc.	<i>NO EKG</i>						
Hypertension	High Risk Procedure	EKG		BMP				
Peripheral Vascular (Arterial) Disease	(all)	EKG						
Stroke or Cerebrovascular Disease	(all)	EKG						
Pacemaker	(all)	EKG						
Arrhythmia	(all)	EKG						
<b>Endocrine / Metabolic</b>								
Diabetes NOT requiring Insulin	Low risk Procedure	<i>NO EKG</i>					Accu-check day of procedure	
Diabetes NOT requiring Insulin	Intermed/High risk Proc.	<i>NO EKG</i>			BMP		Accu-check day of procedure	
Diabetes requiring Insulin	Low risk Procedure	<i>NO EKG</i>			BMP		Accu-check day of procedure	
Diabetes requiring Insulin	Intermed/High risk Proc.	EKG		BMP			Accu-check day of procedure	
<i>**NOT prior gestational nor induced diabetes</i>								
Malabsorption / Poor Nutrition / Cachexia	Low risk Procedure							
Malabsorption / Poor Nutrition / Cachexia	Intermed/High risk Proc.	EKG	CBC	BMP				

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<b>Hepatic</b>								
Hepatitis B or C (not A)	if any suspicion is still active				CMP	Coag		
Alcoholic or Drug-induced Liver Disease					CMP	Coag		
Tumor infiltration					CMP	Coag		
Cirrhosis			CBC		CMP	Coag		
<b>Renal Disease</b>								
Renal Insufficiency/Chronic Kidney Disease	Low risk Procedure							
Renal Insufficiency/Chronic Kidney Disease	Intermed/High risk Proc.		CBC	BMP				
Renal Failure, requiring Dialysis	Low risk Procedure			BMP			BMP day of proceure IF more than 36 hours post-dialysis	
Renal Failure, requiring Dialysis	Intermed/High risk Proc.	EKG	CBC	BMP				
<b>Hematologic</b>								
History of Clotting Disorder			CBC			Coag		
Taking Coumadin / Anticoagulant						Coag		
Sickle Cell Dz or Thalassemia Major	<i>NOT trait / heterozygous</i>		CBC					
Anemia, if cause not completely resolved			CBC					
Leukemia / Lymphoma, if active			CBC					
<b>Medications</b>								
Anticoagulant						Coag		
Diuretic				BMP				
Insulin and Oral Diabetic Meds, even if not diabetic							Accu-check day of procedure	
Cancer Chemotherapy in past 2 months			CBC					
Rheumatoid Arthritis, if causing disablilty or visible deformity		EKG	CBC	BMP			Odontoid & Flex/Ext neck XRs	
<b>Reproductive</b>								
Woman/girl aged 10 to 50	omit if s/p hysterectomy						UCG/HCG day of procedure	
<b>Surgical Procedure</b>								
Spinal or Regional anesthetic	taking anticoagulant						Coag - day of procedure	
Patient taking Anticoagulant	Planned Anesthetic = Spinal or Regional						Coag - day of procedure	
Thoracotomy/Thoracoscopy			CBC				PFT's	
Vascular (art) Procedure	incl. illiac art, aorta, carotid	EKG	CBC					
Total Joint Replacement			CBC					
<b>Special, Low-risk, Minimal testing procedure</b>								
Cataract and Corneal procedures (later, consider adding other procedures)		No testing except Accu-check, Pregnancy, or Coag						
To surgeons/physicians:								
Our criteria do not cover all possible clinical situations.								
Please continue testing patients as medically/surgically indicated, according to your clinical impression and judgement (examples: CBC for possible anemia, calcium level for parathyroid disorder, type and crossmatch for possible bleeding)								

# Procedural Risk for Pre-Op Testing Purposes

*Note: testing criteria apply if procedure is scheduled as "possible"*

## High-Risk Procedures

Arterial Procedures, including peripheral vascular, carotid, aortic, and endovascular  
Venous procedures involving torso and neck  
Craniotomy  
Intrathoracic procedures, including thoracoscopy, thoracotomy, and mediastinoscopy  
Mastectomy with reconstruction  
Hepatic procedures, but NOT procedures on biliary tract  
Bowel Resection and Splenectomy, incl. laparoscopic/robotic  
Pelvic debulking or node dissection, incl. laparoscopic/robotic  
"Major" / Complex Spine Cases  
Total Joint Arthroplasty

## Intermediate-Risk Procedures

Dialysis Access procedures  
Head and Neck procedures except craniotomy or vascular procedures  
Mastectomy without reconstruction  
Intraperitoneal Procedures, incl. laparoscopy, except as listed above  
Prostate procedures  
Orthopedic Procedures, bone and joint, except as above and below

## Low-risk Procedures

Superficial procedures involving skin and associated structures  
ECT  
Vitreotomy and Eye Procedures except as below  
Breast procedures except mastectomy  
Gastrointestinal endoscopy  
Gynecologic procedures outside of peritoneum  
Wrist/Hand and Foot procedures  
Peripheral Nerve procedures (transposition, release, repair.)

## Special Low-Risk Procedures

Cataract repair and Corneal procedures