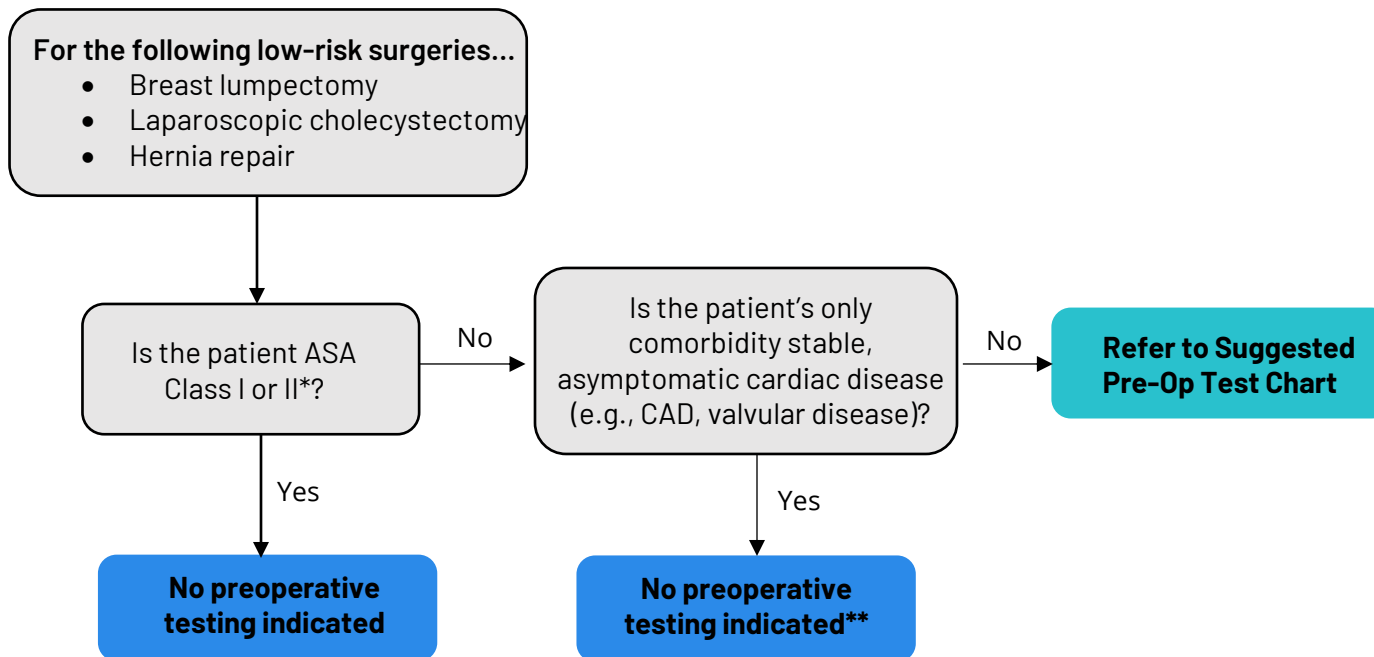


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## Suggested Pre-Op Testing Decision Aid for Low-Risk Surgeries



**\*American Society of Anesthesiologist (ASA) Physical Status Classification System:**

**ASA Class I:** Normal healthy patient. Non-smoking, no or minimal alcohol use, no acute or chronic disease, normal BMI.

**ASA Class II:** Mild systemic disease without substantive functional limitations. Current smoker, obesity (30<BMI<40), well-controlled DM/HTN, mild lung disease.

**ASA Class III:** Severe Systemic disease with substantive functional limitations, poorly controlled DM/HTN, COPD, morbid obesity (BMI ≥ 40), active hepatitis, alcohol dependence or abuse, pacemaker, moderate reduced EF, ESRD on HD, prior MI, CVA, TIA, or CAD/stents.

\*\*May consider EKG if none available within the past ~6 months

All recommendations in this document pertain to non-pregnant, adult patients undergoing low-risk procedures. They do not replace clinical judgment and are intended as guidance only.

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This resource was developed in partnership with MPiOVE, MSQC, and MVC.

# Suggested Pre-Op Tests for Patients Undergoing Low-Risk Surgery Who Are ASA III or Above

*This chart does not replace clinical judgment and is intended as guidance only*

	CBC	T&S	BMP	LFTs	INR/PT/PTT	EKG	CXR
History of anemia, thrombocytopenia	Blue	Grey	Grey	Grey	Grey	Grey	Grey
Cardiovascular disease	Blue	Grey	Grey	Grey	Grey	Blue	Grey
Anticoagulant use or history of bleeding disorder	Blue	Blue	Grey	Grey	Blue	Grey	Grey
DM/major endocrine disease, prior electrolyte abnormalities, use of diuretics, antiarrhythmics, ACE/ARB	Grey	Grey	Blue	Grey	Grey	Grey	Grey
Kidney disease	Blue	Grey	Blue	Grey	Grey	Grey	Grey
Liver disease or risk of malnutrition	Grey	Grey	Blue	Blue	Blue	Grey	Grey
Age ≥70, peripheral/cerebral vascular disease, cardiac risk factors, new cardiac symptoms	Grey	Grey	Blue	Grey	Grey	Blue	Grey
Existing cardiopulmonary disease (without CXR in past 6 mo), poor exercise tolerance (<4 metabolic equivalents), thoracic surgery	Grey	Grey	Grey	Grey	Grey	Grey	Blue

CBC: Complete blood count  
 T&S: Type and screen  
 BMP: Basic metabolic panel

LFTs: Liver function tests  
 INR: International normalized ratio  
 PT: Prothrombin time

PTT: Partial thromboplastic time  
 EKG: Electrocardiogram  
 CXR: Chest radiography

ACE: Angiotensin-converting enzyme inhibitors  
 ARB: Angiotensin receptor blocker

**References:**

- Mocon A, McRitchie D, Tharani A. *Drop the Pre-Op: A toolkit for reducing unnecessary visits and investigations in pre-operative clinics*. Ontario, CA. 2019.
- Chow, W. B., Rosenthal, R. A., Merkow, R. P., Ko, C. Y., & Esnaola, N. F. (2012). Optimal preoperative assessment of the geriatric surgical patient: a best practices guideline from the American College of Surgeons National Surgical Quality Improvement Program and the American Geriatrics Society. *Journal of the American College of Surgeons*, 215(4), 453-466.
- National Guideline Centre (UK). Preoperative Tests (Update): Routine Preoperative Tests for Elective Surgery. London: National Institute for Health and Care Excellence (NICE); 2016 Apr. (NICE Guideline, No. 45.) Acknowledgements.