

WHICH ROUTINE TESTING SHOULD BE PERFORMED

in adults prior to elective non-cardiothoracic surgery



- ARE NOT RECOMMENDED:**
- RESTING ECHOCARDIOGRAPHY
 - CARDIOPULMONARY EXERCISE TESTING (CPET)
 - CHEST X-RAY
 - POLYSOMNOGRAPHY
 - LUNG FUNCTION TESTS (INCL BLOOD GAS ANALYSIS)
 - GLYCATED HAEMOGLOBIN TEST
 - LIVER FUNCTION TESTS
 - CORONARY CT ANGIOGRAPHY

		OFFER		CONSIDER	
ASA GRADE OF PATIENT	MINOR SURGERY e.g.: • Draining breast abscess • Excising skin lesion	INTERMEDIATE SURGERY e.g.: • repair of inguinal hernia • excising varicose veins			MAJOR OR COMPLEX SURGERY e.g.: • colonic resection • total joint replacement
1 NORMAL HEALTH	NO ROUTINE TESTS		RESTING ECG****	HAEMOSTASIS TESTS*****	
	HAEMOSTASIS TESTS*****				
					FULL BLOOD COUNT TEST ¹
					KIDNEY FUNCTION ²
2 MILD SYSTEMIC DISEASE	RESTING ECG*		RESTING ECG****	HAEMOSTASIS TESTS*****	RESTING ECG****
	KIDNEY FUNCTION*** ²		NON-INVASIVE CARDIAC STRESS IMAGING ^{oo}		URINECULTURE ^{ooo}
	HAEMOSTASIS TESTS*****	RESTING ECG*	KIDNEY FUNCTION*** ²		NON-INVASIVE CARDIAC STRESS IMAGING ^{oo}
			HAEMOSTASIS TESTS*****		HAEMOSTASIS TESTS*****
3 SEVERE SYSTEMIC DISEASE	RESTING ECG*		RESTING ECG****		RESTING ECG****
	KIDNEY FUNCTION*** ²	RESTING ECG*	NON-INVASIVE CARDIAC STRESS IMAGING ^{oo}		URINECULTURE ^{ooo}
	HAEMOSTASIS TESTS*****		FULL BLOOD COUNT TEST** ¹		NON-INVASIVE CARDIAC STRESS IMAGING ^{oo}
		KIDNEY FUNCTION ²	HAEMOSTASIS TESTS ^o		HAEMOSTASIS TESTS ^o
4 SEVERE SYSTEMIC DISEASE CONSTANT THREAT TO LIFE	RESTING ECG*		RESTING ECG****		RESTING ECG****
	KIDNEY FUNCTION*** ²	RESTING ECG*	NON-INVASIVE CARDIAC STRESS IMAGING ^{oo}		URINECULTURE ^{ooo}
	HAEMOSTASIS TESTS*****		FULL BLOOD COUNT TEST** ¹		NON-INVASIVE CARDIAC STRESS IMAGING ^{oo}
		KIDNEY FUNCTION ²	HAEMOSTASIS TESTS ^o		HAEMOSTASIS TESTS ^o

* in case of clinical risk factors according to the cardiac risk index
 ** in case of cardiovascular or renal disease, if symptoms were not recently examined
 *** when renal impairment is suspected
 **** if older than 65y

^o in case of a chronic liver disease or a history of abnormal bleeding, spontaneous, or after trauma or surgery
^{oo} in case of clinical risk factors according to the cardiac risk index and of a poor functional capacity
^{ooo} in case of urological or prosthesis surgery
^{oooo} history of abnormal bleeding, spontaneous, or after trauma or surgery
 1 Red blood cells (hemoglobin, hematocrit and count), white blood cells (count and formula) and platelets.
 2 Creatinine, DFG, sodium and potassium.

Download the free webapp through App store (iOS), Google play (Android) or <http://preop.kce.be>



Federaal Kenniscentrum voor de Gezondheidszorg
 Centre Fédéral d'Expertise des Soins de Santé
 Belgian Health Care Knowledge Centre