

# 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<br>e.g.: • Draining breast abscess<br>• Excising skin lesion | INTERMEDIATE SURGERY<br>e.g.: • repair of inguinal hernia<br>• excising varicose veins |                                       |                        | MAJOR OR COMPLEX SURGERY<br>e.g.: • colonic resection<br>• total joint replacement                    |
| <b>1</b> NORMAL HEALTH                                   | NO ROUTINE TESTS   |  | RESTING ECG****                       | HAEMOSTASIS TESTS***** | RESTING ECG****<br>URINECULTURE***<br>HAEMOSTASIS TESTS*****  |
|  | HAEMOSTASIS TESTS*****   |  |                                       |                        |   |
|  |  |  |                                       |                        |   |
|  |  |  |                                       |                        |   |
| <b>2</b> MILD SYSTEMIC DISEASE                           | RESTING ECG*   |  | RESTING ECG****                       | HAEMOSTASIS TESTS***** | RESTING ECG****<br>URINECULTURE***<br>NON-INVASIVE CARDIAC STRESS IMAGING**<br>HAEMOSTASIS TESTS***** |
|  | KIDNEY FUNCTION*** 2   | RESTING ECG*   | NON-INVASIVE CARDIAC STRESS IMAGING** | HAEMOSTASIS TESTS***** | URINECULTURE***   |
|  | HAEMOSTASIS TESTS*****   |  | KIDNEY FUNCTION*** 2                  | HAEMOSTASIS TESTS***** | NON-INVASIVE CARDIAC STRESS IMAGING**   |
|  |  |  |                                       |                        | HAEMOSTASIS TESTS*****  |
| <b>3</b> SEVERE SYSTEMIC DISEASE                         | RESTING ECG*   |  | RESTING ECG****                       | HAEMOSTASIS TESTS***** | RESTING ECG****<br>URINECULTURE***<br>NON-INVASIVE CARDIAC STRESS IMAGING**<br>HAEMOSTASIS TESTS***** |
|  | KIDNEY FUNCTION*** 2   | RESTING ECG*   | NON-INVASIVE CARDIAC STRESS IMAGING** | HAEMOSTASIS TESTS***** | URINECULTURE***   |
|  | HAEMOSTASIS TESTS*****   |  | FULL BLOOD COUNT TEST <sup>1</sup>    | HAEMOSTASIS TESTS***** | NON-INVASIVE CARDIAC STRESS IMAGING**   |
|  |  |  |                                       |                        | HAEMOSTASIS TESTS*****  |
| <b>4</b> SEVERE SYSTEMIC DISEASE CONSTANT THREAT TO LIFE | RESTING ECG*   |  | RESTING ECG****                       | HAEMOSTASIS TESTS***** | RESTING ECG****<br>URINECULTURE***<br>NON-INVASIVE CARDIAC STRESS IMAGING**<br>HAEMOSTASIS TESTS***** |
|  | KIDNEY FUNCTION*** 2   | RESTING ECG*   | NON-INVASIVE CARDIAC STRESS IMAGING** | HAEMOSTASIS TESTS***** | URINECULTURE***   |
|  | HAEMOSTASIS TESTS*****   |  | FULL BLOOD COUNT TEST <sup>1</sup>    | HAEMOSTASIS TESTS***** | NON-INVASIVE CARDIAC STRESS IMAGING**   |
|  |  |  |                                       |                        | HAEMOSTASIS TESTS*****  |

\* 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

° in case of a chronic liver disease or a history of abnormal bleeding, spontaneous, or after trauma or surgery  
 °° in case of clinical risk factors according to the cardiac risk index and of a poor functional capacity  
 °°° in case of urological or prosthesis surgery  
 °°°° 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.

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Federaal Kenniscentrum voor de Gezondheidszorg  
 Centre Fédéral d'Expertise des Soins de Santé  
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