



Basic Preoperative Tests

| Patient Category and Surgery | ECG | CBC | U&E | CXR | ABG | BG | G&S | UPT |
|------------------------------|-----------|-----------|-----------|-----------|-----------|----|-----|-----|
| Children – 15 yrs | | | | | | | | |
| Fertile females | | | | | | | | Y |
| 15 – 50 yrs | | Gr 3-4 Sx | Gr 3-4 Sx | | | | | |
| 50 – 70 yrs | Y | Gr 3-4 Sx | Gr 3-4 Sx | | | | | |
| Over 70 yrs | Y | Y | Y | | | | | |
| CVD or Fam Hx of CVD | Y | | Y | | | | | |
| Hypertension | Y | | | | | | | |
| On diuretics | | | Y | | | | | |
| Severe respiratory symptoms | Y | Y | Y | Gr 3-4 Sx | Gr 3-4 Sx | | | |
| Smoker over 20 pack yrs | Y | | | | | | | |
| Diabetes | Y | | Y | | | Y | | |
| Renal impairment | Gr 3-4 Sx | Y | Y | | | | | |
| BMI over 35 | Gr 3-4 Sx | Gr 3-4 Sx | Gr 3-4 Sx | | | | | |
| Laparoscopic surgery | | | | | | | Y | |
| Severity Grade 3-4 Surgery | | | | | | | Y | |

ECG valid for 6 months and **Blood tests** for 6 weeks unless progression of signs or symptoms; **G&S** valid for 3 days and **UPT** for 1 day.
Additional tests, e.g. echocardiography, coagulation screening or HbA1c, when clinically indicated.
Results (except G&S and UPT) should preferably be available at the time of the pre-anaesthetic assessment.
All results **must** be available prior to arriving in theatre unless immediate life saving surgery.

ECG = electrocardiogram; CBC = complete blood count; U&E = urea, creatinine and electrolytes; CXR = chest x-ray; ABG = arterial blood gas; BG = random blood glucose; G&S = group and screen, formerly group and hold; UPT = urine pregnancy test; Gr 3-4 Sx = severity grade 3-4 surgery, see “Examples of Surgical Procedures by Severity Grading”; Y = yes, do the test; CVD = cardiovascular disease; Hx = history; BMI = body mass index.

Examples of Surgical Procedures by Severity Grading

| GRADE 1 | GRADE 2 | GRADE 3 | GRADE 4 |
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| <p>Orthopaedic Carpal tunnel release</p> <p>General Surgery Diagnostic endoscopies Hydrocele repair Incision of superficial abscess Vas deferens excision</p> <p>ENT Diagnostic oesophagoscopy Flexible bronchoscopy Grommets Surgery on external nose</p> <p>Plastic Surgery Excision of skin/subcut tissue Other hand surgery</p> | <p>Orthopaedic Arthroscopy Meniscectomy Reduction of dislocated joint Reduction of fracture</p> <p>General Surgery & Urology 1st time hernia repair Laparoscopic surgery on colon Laparoscopic surgery on kidney Laparoscopic surgery on ureter / bladder Laparoscopic surgery on upper GI tract Haemorrhoidectomy Resection of breast tissue Varicose vein surgery</p> <p>ENT Adenoidectomy Tonsillectomy</p> <p>Gynaecology Cervix surgery, D&C, Lletz</p> <p>Misc Tooth extraction, skin graft, ECT</p> | <p>Orthopaedic Fixation of joint Amputation Correction of congenital deformity of limb Prosthetic replacement of joint head</p> <p>General Surgery & Urology Thyroidectomy Mastectomy Hiatus hernia repair Open bladder surgery TUR-P Endoscopic bladder surgery</p> <p>Plastic Surgery Skin flap surgery</p> <p>Gynaecology Cesarean section Vaginal prolapse repair Hysterectomy</p> | <p>Various Colectomy Gastrectomy Nephrectomy Rectum amputation Hip or knee joint replacement Radical prostatectomy</p> |