

Blood Tests Required for Organ Donation

Abbreviation	Full Title	Comments
Haematology		
BG (G&S)	Blood Group (Group & Save)	For G&S consider date of last result – is this within timeframe for cross matching units for theatre?
Hb	Haemoglobin	If low consider bleeding, trauma AND confirm Hb levels required pre theatre for Cardiothoracic donation
Plat	Platelets	Consider trauma (relevant transfusion) or portal hypertension (engorged spleen)
WBC	White Blood Cells	If raised consider sepsis
Clotting Screen		
INR	International Normalised Ration (of PT)	If raised consider liver dysfunction
PT	Prothrombin Time	If raised consider liver dysfunction OR is the patient heparinised?
(A)PTT or PTT	(Activated) Partial Thromboplastin Time	If raised consider liver dysfunction OR thromboembolism.
Biochemistry		
Na+	Sodium	Consider hypo or hypernatraemia in relation to brain stem death
K+	Potassium	Consider hypo or hyperkalaemia for cardiac donation and treatment to prevent cardiac arrest.
Urea	Urea	Consider either dehydration with normal creatinine or consider renal failure if anuric.
Creat	Creatinine	Consider renal failure if abnormally elevated
Liver Function Tests		
Bili	Bilirubin	Consider hepatic dysfunction if raised and if other LFTs are raised and patient is jaundiced
ALP	Alkaline phosphatase	Consider early biliary obstruction if raised ALP with normal GGT.
AST	Aspartate aminotransferase	AST is also present in cardiac and skeletal muscle tissue. If ALT and AST both raised consider hepatocytic damage.
ALT	Alanine aminotransferase	Consider hepatocytic damage if raised.
GGT	Gamma glutamyl transferase	Consider chronic alcohol misuse with an isolated raised GGT .
Alb	Albumin	Consider malnutrition or sepsis in addition to hepatic failure when albumin levels are low.
TP	Total Protein	Consider hepatic and/or renal disease with low levels. Consider bone marrow disorder/myeloma with raised levels.
Amy	Amylase	Consider pancreatic damage or failure if amylase levels are raised.
Other Blood Tests		
CRP	C-Reactive Protein	Consider acute infection, inflammatory process, arthritis and/or lupus.
Trop (T or I)	Troponin	Consider myocardial infarction or cardiac damage. Tests are usually performed over 12-16 hrs from time of injury/insult