

**Table S1 – Core and additional tasks defined in building the clinical decision support system.** Core tasks are completed by all patients, additional tasks only by patients in whom trigger conditions are met.

*HRT – hormone replacement therapy; EPAT – ELPAT living organ donor psychological assessment tool; GFR – glomerular filtration rate; DMSA - dimercaptosuccinic acid.*

Task	Type	Description	Completed by
Demographics	Core	Demographic data – age, gender, ethnicity etc.	Patient
Contact details	Core	Address, telephone and e-mail.	Patient
Height and weight	Core	Height, weight and history of weight gain/loss	Patient
Intended recipient	Core	Recipient details, relationship to recipient, motivation	Patient
Medical history screen	Core	Screening questions for medical history, diabetes, hypertension, malignancy, hospital admissions or surgery	Patient
Medications	Core	Medications and allergies	Patient
Infection history	Core	History of specific infections or infection risk	Patient
Family history	Core	Significant family medical history	Patient
Social history	Core	Employment history, smoking, alcohol, substance abuse	Patient
Epworth sleepiness scale	Core	Epworth sleepiness scale to assess risk of sleep disorder	Patient
Stop-bang questionnaire	Core	Stop-bang questionnaire to assess risk of sleep apnoea	Patient
Female-specific history (<50 yrs)	Additional	Contraceptive use, pregnancy history, cervical screening	Patient
Female-specific history (>50 yrs)	Additional	HRT use, pregnancy history, cervical and breast cancer screening	Patient
Bowel cancer screening	Additional	Bowel cancer screening history for patients > 60 years	Patient
Liver conditions	Additional	History of hepatological conditions where indicated in the medical history screen	Patient

Heart conditions	Additional	History of cardiac conditions where indicated in the medical history screen	Patient
Lung conditions	Additional	History of lung conditions where indicated in the medical history screen	Patient
Blood conditions	Additional	History of haematological or thromboembolic conditions where indicated in the medical history screen	Patient
Thyroid conditions	Additional	History of thyroid conditions where indicated in the medical history screen	Patient
Bowel conditions	Additional	History of gastrointestinal conditions where indicated in the medical history screen	Patient
Kidney conditions	Additional	History of renal conditions where indicated in the medical history screen	Patient
Bone and joint conditions	Additional	History of orthopaedic or rheumatological conditions where indicated in the medical history screen	Patient
Cancer history	Additional	History of cancer (type, date of diagnosis etc.) where indicated in the medical history screen	Patient
Blood pressure	Additional	History of hypertension (number of agents etc.) where indicated in the medical history screen	Patient
Previous hospital admissions	Additional	Date and reason for hospital admissions where indicated in the medical history screen	Patient
Previous hospital admissions	Additional	Date and type of previous surgical procedures, surgical and anaesthetic complications, where indicated in the medical history screen	Patient
Smoking history	Additional	Detailed smoking history where indicated	Patient
Alcohol history	Additional	Detailed alcohol history where indicated	Patient
EPAT - Medical forms	Core	Confidence in completing medical forms	Patient
EPAT – Social support	Core	Questions on social support	Patient
EPAT – Tangible support	Core	Questions on practical support	Patient
EPAT - Mood	Core	Screening questions for anxiety or depression	Patient
EPAT - Personality	Core	Screening questions for personality disorders	Patient

EPAT - Resilience	Core	Questions on resilience in adversity	Patient
Nurse review	Core	Nurse medical/social history review and comments	Nurse
EPAT – red flags	Core	EPAT red flag questionnaire for social or psychological contraindications	Nurse
Investigations – blood and urine	Core	Haemoglobin, fasting blood glucose, urine protein:creatinine, urine dip, blood pressure	Nurse/physician
Investigations – CT angiogram	Core	Kidney size, arterial and venous anatomy, early branching, renal stones	Nurse/physician
Investigations – measured GFR	Core	Chromium-EDTA measured GFR	Nurse/physician
Investigations - DMSA	Core	Split function where size discrepancy > 1cm	Nurse/physician