

## **Kidney Transplant at Robert Wood Johnson University Hospital**

Any patient diagnosed with Chronic Kidney Disease (CKD) or End Stage Renal Disease (ESRD) that is either on dialysis or approaching the need for dialysis can be referred for transplant evaluation. All potential candidates seen for evaluation will be educated and assessed by the RWJUH multidisciplinary transplant team.

### **Inclusion criteria for kidney transplantation are:**

- ESRD with a GFR <20
- Transplant Dietitian clearance
- Psychosocial clearance, including adequate support system
- Adequate financial coverage for transplant care and medications
- All Hepatitis C positive recipients will be tested by PCR and genotyped
- All current smokers must be referred to a smoking cessation program
- Age appropriate cancer screenings to meet the American Cancer Society recommendations
- Screening of renal cysts- All patients with polycystic kidney disease should have pre-transplant imaging to evaluate for the presence of lesions suggestive of renal cell carcinoma. Patients who have been dialysis dependent for 4 or more years must have a renal ultrasound
- Cardiac Clearance (which may require Cardiac Catheterization)
- Pulmonary Evaluation with Pulmonary Hypertension or COPD (If patient meets criteria Protocol for Pulmonary Evaluation with Pulmonary Hypertension or COPD)
- HIV with CD4+ T-cell count of 200 cells per cubic millimeter or greater, undetectable HIV type 1 (HIV-1 RNA levels, and no opportunistic infections)

## **Referrals for Transplant Evaluation at Robert Wood Johnson University Hospital**

**Phone: 732-253-3699- Option #2**

**Fax: 732-448-7319**

**Online: [www.NJTransplant.org](http://www.NJTransplant.org)**

## Patient Selection Criteria for Kidney Transplant

Although some contraindications to transplantation are absolute, many are relative and are determined by individual program policy and experience. **Patients should be presumed to be acceptable transplant candidates until proven otherwise.** If there is any question regarding an individual's candidacy, the patient should be referred and the transplant team will make the final determination.

**Absolute Exclusion criteria** which may prevent a patient from being listed or require removal from the transplant waiting list are, but may not be limited to:

- Age >75 without a living donor
- Advanced and/or inoperable coronary artery disease; ischemic cardiomyopathy, and/or EF <30 measured by echocardiogram or MUGA scan
- Severe and uncorrectable peripheral vascular disease
- Untreated psychiatric condition(s), including suicide risk
- Severe psychiatric illness, uncontrolled with medication
- Does not meet definition of Resident Alien
- Chronic, unresolved systemic infection
- Documented history of repeated and/or prolonged treatment/medication non-adherence
- Active alcohol or illicit drug abuse
- Active or recent malignancy (may have required waiting period)
- Dependence on chronic supplemental oxygen
- Decompensated liver cirrhosis
- Lack of adequate financial or social support
- BMI>45
- A BMI of <18.5 with diabetes and/or poor functional status
- HIV+ patients with active Hepatitis infection B or active Hepatitis C infection will not be transplanted

### **Relative Contraindications include:**

- RV Systolic Pressure > 50 on an echo performed within 24hrs of dialysis treatment
- A combination of co-morbid conditions which unacceptably raise the risk of patient or graft loss
  - Age restrictions 65-69 years old with >2 comorbidities
    - Will allow 3 comorbidities only if the patient has a living donor)
  - 70-75 years old with 1 comorbid condition only if they have a living donor
- History of ESRD following early recurrence of primary kidney disease in previous transplant
- Morbid obesity (BMI greater than or equal to 40- 45)
- Poor functional status
- Persistent hypotension, particularly requiring Midodrine
- Advanced COPD
- HIV with CD4+ T-cell count less than 200 cells per cubic millimeter, or detectable HIV type 1 (HIV-1 RNA levels, or presence of opportunistic infections)

## Pancreas Transplant at Robert Wood Johnson University Hospital

Any patient diagnosed with Diabetes Mellitus that meets the following inclusion criteria can be referred for pancreas transplant evaluation. All potential candidates seen for evaluation will be educated and assessed by the RWJUH multidisciplinary transplant team.

### **Inclusion criteria are:**

- Diabetes with current insulin use
- Transplant Dietitian Clearance
- Transplant Nephrologist Clearance
- Transplant Surgical Clearance
- Psychosocial clearance, including adequate support system.
- Adequate financial coverage for transplant care and medications
- All current smokers must be referred to a smoking cessation program
- If no palpable femoral pulses, obtain CT imaging
- Age appropriate cancer screenings to meet the American Cancer Society recommendations
- Cardiac Clearance (which may require Cardiac Catheterization).
- Pulmonary clearance per Protocol for Pulmonary Evaluation with Pulmonary Hypertension or COPD for candidates with an RVSP or PASP 50 mm Hg or above when at their established dry weight.
- Renal function as determined by a race-neutral eGFR or creatinine clearance through MDRD or Cockcroft-Gault calculation will be required as follows for each type of pancreas transplant
  - **SPK** – CrCl  $\leq$  20 ml/min or GFR  $\leq$  20.
  - **PTA** – Eligibility for pancreas transplant alone includes all of the following criteria are met:
    - Documented CrCl  $\geq$  20ml/min or GFR  $>$  20,
    - Proteinuria  $<$  2 g collected over a 24-hour period
    - Hypoglycemic unawareness
  - **PAK** – Kidney recipients must have a documented CrCl  $\geq$  40 ml/min or GFR  $>$  40

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## **Patient Selection Criteria for Pancreas Transplant**

Although some contraindications to transplantation are absolute, many are relative and are determined by individual program policy and experience. Patients should be presumed to be acceptable transplant candidates until proven otherwise. If there is any question regarding an individual's candidacy, the patient should be referred and the transplant team will make the final determination.

**Absolute exclusion criteria** which may prevent a patient from being listed or require removal from the transplant waiting list include, but may not be limited to:

- Age over 65
- Candidate BMI > 30
- Advanced and/or inoperable coronary artery disease, ischemic cardiomyopathy, EF < 30%
- Advanced and/or uncorrectable peripheral vascular disease
- Advanced or uncontrolled psychotic disorder
- Chronic, unresolved systemic infection
- Non-healing wounds and/or presence of Osteomyelitis
- HIV positive
- Documented history of repeated and/or prolonged treatment/medication non-adherence
- Active drug and/or alcohol abuse
- History of active or recent malignancy (may have required waiting period)
- Advanced COPD
- Lack of adequate financial or social support
- Does not meet definition of Resident Alien

**Relative Contraindications** which may prevent a patient from being listed or require removal from the transplant waiting list include but may not be limited to:

- RV Systolic Pressure > 50 mmHg on an echocardiogram performed within 24 hours of dialysis treatment
- A combination of co-morbid conditions which unacceptably raises the risk of patient and/or graft loss
- Age ≥ 55-65
- Poor functional status
- Persistent hypotension, particularly requiring Midodrine