

Inova upholds rigorous standards for our transplant candidates while still meeting the needs of a growing end stage renal disease population. We encourage any candidate to reach out to Inova if they have questions about being a candidate, we are happy to discuss an individual medical situation.

1) Kidney transplant is indicated in patients:

- a) With a creatinine clearance or glomerular filtration rate of less than or equal to 20cc/ minute
OR
- b) End Stage Renal Disease established by the initiation of chronic hemodialysis or peritoneal dialysis therapy

2) Kidney / Pancreas or pancreas alone transplant is indicated in patients:

a) Type 1 Diabetes with:

- i) Renal failure (dialysis dependent or pre-dialysis advanced diabetic nephropathy with eGFR \leq 20mL/min per 1.73m²)
 - (1) Unless previous kidney transplant if pancreas after kidney
- ii) BMI $<$ 32 kg/m²
- iii) Age $<$ 55
- iv) Mild or corrected cardiac disease
- v) Minimal to mild iliac artery vascular disease

b) Type 2 Diabetes with:

- i) Presence of renal failure (dialysis dependent or pre-dialysis advanced diabetic nephropathy with eGFR $<$ 20mL/min per 1.73m²)
 - (1) Unless previous kidney transplant if pancreas after kidney
- ii) Insulin-dependent diabetes
- iii) If Fasting C-Peptide $<$ 10ng/ml
- iv) Insulin requirements $<$ 1 Unit/kg/IBW/d
- v) BMI $<$ 30 kg/m²
- vi) Age $<$ 55
- vii) Mild or corrected cardiac disease
- viii) Minimal to mild iliac artery vascular disease

3) Absolute contraindications for kidney, pancreas or kidney/pancreas transplantation

- a) Active or metastatic malignancy
- b) Severe, irreversible extra-renal disease with limited expected survival $<$ 3 years
- c) Inability to adhere to immunosuppression regimen

- d) Inadequate financial resources to support transplant care

4) Relative contraindications for kidney alone transplantation

- a) Non-metastatic cancer (may be subject to a waiting period before patient is eligible for transplant)
- b) Limited, irreversible rehabilitative potential
- c) Concern regarding compliance:
 - i) Psychiatric illness
 - ii) Legally unacceptable substance abuse
 - iii) Past history of medication non-adherence
- d) BMI greater than 40
 - i) Note: BMI between 40 and 45.9 will be assessed on an individual basis including evaluation of body habitus and comorbidities, but patient will need to have a BMI below 40 to be considered for transplant.
 - ii) BMI greater than 46 is not eligible for evaluation.
 - iii) For patients seeking a 3rd or greater transplant, a BMI greater than 30 will be assessed on an individual basis including evaluation of body habitus and comorbidities.
- e) Age > 80 years
- f) Pulmonary embolism within the past six months
- g) Any smoking history
- h) **Patients who are age 70 and above** will be screened prior to evaluation by a specialized transplant nurse practitioner. Those who have documented 2 or more of the below criteria will not be evaluated or eligible for transplant at our center.
 - i) Diabetes Mellitus
 - ii) Coronary Artery Disease
 - iii) Poor Functional Status / Frailty
 - iv) Chronic Obstructive Pulmonary Disease
 - v) Need for immediate post operative anticoagulation
 - vi) Atrial Fibrillation

5) Relative contraindications for pancreas alone or simultaneous kidney / pancreas transplantation

- a) Non-metastatic cancer (may be subject to a waiting period before patient is eligible for transplant)
- b) Limited, irreversible rehabilitative potential
- c) Concern regarding compliance:
- d) Psychiatric illness
- e) Legally unacceptable substance abuse
- f) Past history of medication non-adherence
- g) Limb amputation related to diabetes/vascular complications

- h) Pulmonary embolism within the past six months
- i) Any smoking history

All patients for simultaneous kidney / pancreas transplant will require surgical evaluation before listing.