





KIDNEY TRANSPLANT RECIPIENT CANDIDATE EVALUATION CLINICAL PATHWAY

This Clinical Pathway is intended to assist in clinical decision making by describing a range of generally acceptable interventions and outcomes. The guidelines attempt to define practices that meet the needs of most patients under most circumstances. However, the ultimate judgment must be made based on circumstances that are relevant to that patient and treatment may be modified according to the individual patients needs.

		LVALUATION CLINICAL PATTIVAT			to that patient and treatment may be modified according to the individual patients needs.		
	Pre-visit Interview	Initial Visit (within 2 wks of interview)	Review of Chart (when results available)	Presentation #1 (Multi-Disciplinary Selection Committee)	Surgery Evaluation	Presentation #2 (Multi-Disciplinary Selection Committee)	Follow-up
CONSULTS	 Transplant coordinator calls patient within 24h of referral to either conduct or schedule an interview. Interview information entered into OTTR Obtain names of all care providers; data entry staff to enter into OTTR 	 Transplant nephrology Transplant coordinator Surgical consult appointment arranged SW follow-up appointment made if unable to be seen this visit. Letters to all providers, requesting they send information on patient that could affect candidacy, now or in the future Note: Recipient coordinator, nephrologist, surgeon, and social worker are different than donor coordinator, nephrologist, surgeon and social worker 	Nephrologist reviews results Surgical consult appointment arranged Additional consults: ID (foreign born, prior severe infection, HIV) Cardiology (significantly abnormal cardiac stress test) Urology (elevated PSA) Hepatology (Hep C positive) Oncology (history of cancer)	1st presentation: New evaluations Nephrologist presents to Multidisciplinary Selection Committee Consensus reached on advisability of proceeding further First ABO verification done at meeting and filed in chart. If not done, OTTR reminder generated to complete Review of potential donors, remaining tests/evaluations to be performed		Nephrologist re-presents case Consensus reached on advisability of activation on transplant list Results of discussion recorded in minutes. Second ABO verification done	Nephrology follow-up alternating with surgery Follow-up every 3 months for ECD candidate or every 6 months for all others. Letters to all providers, requesting they send information on patient that could affect candidacy, now or in the future
BEHAVIORAL HEALTH		Psychosocial evaluation by transplant social worker including financial assessment and assess need for home based live donor kidney transplant education If applicable, "Patient Responsibility Agreement" (for substance abuse) reviewed with patient and signed	Transplant psychology evaluation if identified need for: Smoking cessation Weight loss Live donation counseling Compliance Relapse prevention History of known mental disorder History of substance abuse or dependence within last 2 years		QOL assessment Social work and or psychology follow-up and re-evaluation as needed. Integrate into appropriate behavioral health intervention pathway as needed Smoking cessation Weight loss Compliance Relapse prevention Caregiver burden		QOL assessment Social work and or psychology follow- up and re-evaluation as needed. Integrate into appropriate behav- ioral health intervention pathway as needed Smoking cessation Weight loss Compliance Relapse prevention Caregiver burden
CORRESPONDENCE COORDINATION COMPLIANCE	 Release of records permission mailed or faxed to patient. Transplant coordinator will obtain relevant physician notes, op notes, path reports and discharge summaries. Compile in chart or in OTTR under "evaluation". Must have patient release prior to obtaining records. 		Transplant coordinator compiles all results in OTTR under "evaluation" Discuss recipient evaluation with donor coordinator to coordinate timeline of completion of both evaluations	Minutes of discussion recorded and filed Patient added to UNOS list if appropriate		 Minutes of discussion recorded and filed Patient added to UNOS list if appropriate If turned down or activated, letter to patient, with copy of letter to dialysis center and referring MD including request for monthly specimens (if activated). 	Letter to patient, PCP, and referring MD must be sent if removed from list or suspended within 10 days of status change Patient/family meeting or phone call from nephrologist to review decision and letter before letter sent
LAB TESTS		Lab tests to be completed at initial visit: CBC, Diff, PT, PTT, INR, Chem 7, Alb, AST, ALT, Alk Phos, T Bili, Phos, lipid profile if fasting Type and Screen for 1st ABO test HCV Ab, HBsAg, HBsAb, HBcAb (IgG) HIV Ab, EBV Panel, CMV (IgG) If male >50 years: PSA If HBsAg positive: HBV DNA If HCV Ab positive: HCV RNA and genotype If HIV Ab positive: CD4 count and HIV VL			 2nd ABO test for verification with first surgical consult Order flow PRA if patient is high immunologic risk High Risk: history of pregnancy, prior transplant, PRA>20%, blood transfusions 		Obtain updated serology testing q 2years Order flow PRA if not done in past 2 years in high immunologic risk patients Monthly serum sample sent to BWH HLA lab for PRA
RADIOLOGY AND PATHOLOGY		 Obtain AP and Lateral Chest X-ray. (To be scheduled within 2 weeks). If female, obtain PAP results and, if >40 yrs old, obtain mammogram results within past year. Obtain pathology results of any malignancy and file in paper chart and enter diagnosis and date in OTTR problem list. 					Obtain results of yearly Mammograms and PAP smears. Results reviewed by nephrologist
HISTOCOMPATABILITY	 Obtain history of prior transplants, pregnancies, and transfusions. Document in OTTR under ALERTS if patient high risk (see HLA protocol). 	Obtain prior donor HLA antigens and HLA antibody specificities. Document in OTTR.		Determine and document if high immunologic risk (see below). If yes, patient will need flow cross-matching with any potential donor and flow PRA testing once. High Risk: history of pregnancy, prior transplant, PRA>20%, blood transfusions	Document any detected anti-HLA antibodies, peak and current PRA, and flow PRA percentages in all correspondences and in Alert section of OTTR.		Document any detected anti-HLA antibodies and calculated PRA in all correspondences
CARDIAC TESTING BONE	Transplant coordinator to obtain any recent relevant cardiac test- ing	EKG on everyone ○EKG only in patients with no DM, age <30, no sabnormalities on exam ○ If EKG abnormal or valve abnormalities on exam, order Echo Cardiac Stress test with nuclear imaging (Exercise or pharmacologic if on beta blockade or unable to walk) ○In non diabetic if 2 or more risk factors (see below) ○If history of prior revascularization ○In any diabetic over age 30 Risk factors: smoking, HTN, LDL <40, family history CHD (in male relative <55, female <65), older age (men >44, women >54). ● Bone mineral density scan	If positive cardiac stress test, schedule cardiology consult and/or left heart catheterization				Cardiac Stress test with nuclear imaging (Exercise or pharmacologic, if on beta blockade or unable to walk) Frequency: o every year in diabetics or patients who have had re-vascularization procedures (CABG, stenting), known MI, new onset of chest pain or EKG abnormalities every 3 years in all others
MEDICATIONS	Obtain list of current medications	Review current medications			Review current medications		Review current medications
CONSENTS		Discuss/Consent Extended Criteria Donor (ECD) listing if applicable Discuss/Consent for research studies if applicable.			Discuss/Consent for Extended Criteria Donor(ECD) list if applicable Discuss/Consent for Research Studies if applicable		Discuss/Consent for Extended Criteria Donor(ECD) list if applicable Discuss/Consent for Research Studies if applicable
EDUCATION	 Review importance of living donation, New England Paired Kidney Exchange (NEPKE) program Send information book to patient Ask patient to attend to 1st visit with family/friend/potential donor 	 Review advantages of live donation Review NEPKE Donor coordinator to see and arrange follow up for potential donors. Review risks and benefits of transplant surgery Review regional and national allocation Review Hep C allocation if applicable Review ECD listing if applicable Review skin cancer prevention and screening, importance of smoking cessation. Review risks of immunosuppression (infection and malignancy) and importance of compliance 			 Review live donation options including NEPKE. Donor coordinator to see for any potential donors Review risks and benefits of transplantsurgery Review regional and national allocation Review Hep C allocation if applicable Review ECD listing if applicable Review skin cancer prevention and screening importance of smoking cessation Review risks of immunosuppression (infection and malignancy) and importance of compliance 		 Review live donation options including NEPKE. Donor coordinator to see for any potential donors Review risks and benefits of transplant surgery Review regional and national allocation Review Hep C allocation if applicable Review ECD listing if applicable Review skin cancer prevention and screening importance of smoking cessation Review risks of immunosuppression (infection and malignancy) and importance of compliance