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Kidney Transplant Services Inspection Checklist- Random

Name of the Facility: _____

Date of Inspection: ____/____/____

Ref.	Description	Yes	No	N/A	Remarks
5	STANDARD ONE: REGISTRATION AND LICENSURE PROCEDURES				
5.3.	Accreditation				
5.3.1.	The hospital shall be accredited as per the DHA Hospital accreditation policy, before the commencement of the kidney transplant service.				
5.3.2.	The hospital laboratory must be accredited as per the DHA Clinical Laboratory accreditation policy, before the commencement of kidney transplant service.				
5.6.	The health facility shall provide documented evidence of the following:				
5.6.1.	Equipment maintenance services				
5.6.2.	Laundry services				
5.6.3.	Medical waste management as per Dubai Municipality (DM) requirements				
5.6.4.	Housekeeping services.				
5.7.	The health facility shall maintain charter of patients' rights and responsibilities posted at the entrance of the premise in two languages (Arabic and English).				
6	STANDARD TWO: HEALTH FACILITY REQUIREMENTS				
6.3.	The hospital providing kidney transplant services shall have the following services:				

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6.3.1.	Cardiology				
6.3.2.	Gastroenterology with endoscopy				
6.3.3.	Pulmonology with bronchoscopy				
6.3.4.	Radiology				
6.3.5.	Hematology				
6.3.6.	Pathology Laboratory				
a.	All routine investigations necessary for the patients either before or after the transplantation must be available.				
b.	Facilities to do tissue typing, cytotoxic antibodies and blood levels of drugs including cyclosporine or similar drugs should be available.				
6.3.7.	Biochemistry Laboratory				
6.3.8.	Nephrology with hemodialysis unit (preferably with portable dialysis machines).				
6.3.9.	Intensive Care Unit (ICU).				
6.5.	The hospital shall ensure easy access to the health facility and treatment areas for all patient groups.				
6.6.	The hospital design should provide assurance of patient and staff health and safety.				
7	STANDARD THREE: HEALTHCARE PROFESSIONALS REQUIREMENTS				
7.1.	A DHA licensed hospital providing kidney transplant services shall have the following DHA licensed healthcare professionals:				
7.1.1.	Consultant Renal Transplant Surgeon with a minimum of 1-year experience from a recognised kidney transplant center.				
7.1.2.	Consultant Nephrologist with a minimum of 1-year experience from a recognised kidney transplant center.				
7.1.3.	Registered Nurses (RNs) experienced and trained to care for patients during and after kidney transplant.				

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7.1.4.	Kidney Transplant Coordinators, minimum of two (2) certified ² (could be one of the above). *Certified by organizations like UNOS or equivalent				
7.1.5.	Dietician				
7.1.6.	Social Worker.				
7.2.	The following Healthcare Professionals could provide support to the above team, but not limited to:				
7.2.1.	Cardiologist				
7.2.2.	Intensivist				
7.2.3.	Anaesthesiologist (with experience in intra-operative management of kidney transplant recipients)				
7.2.4.	Radiologist				
7.2.5.	Radiographer				
7.2.6.	Psychiatrist/Clinical Psychologist				
7.2.7.	Clinical Pharmacist				
7.2.8.	Physiotherapist				
7.3.	Kidney Transplant Committee shall consist of that shall meet on a regular bases to ensure smooth operation of the OTU:				
7.3.1.	Consultant Renal Transplant Surgeon				
7.3.2.	Consultant Nephrologist				
7.3.3.	Kidney Transplant Coordinator				
7.3.4.	Registered Nurse Representative				
7.3.5.	Quality Coordinator				
7.4.	Kidney transplant coordinators shall be assigned in each OTU providing kidney transplant services, with the following responsibilities:				
7.4.6.	Prepare a waiting list for the hospital OTU.				

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7.4.7.	Report the names of all patients fit for transplantation (workup patients) to The National Center to include them in the national waiting list.				
7.4.10.	Send and update all information related to patients with end-stage Kidney failure fit for transplantation.				
7.5.	A DHA licensed hospital providing kidney transplant services shall have a kidney transplant committee to ensure efficient and safe kidney transplant services:				
7.6.	The responsibilities of the Kidney Transplant Committee are as follows:				
7.6.8.	Create a process of transplant wait-listing that is efficient, effective and transparent.				
7.7.	The Privileging Committee and/or Medical Director of the health facility shall privilege the physicians mentioned above aligned with his/her education, training, experience and competencies. The privilege shall be reviewed and revised on regular intervals aligned with the DHA Clinical Privileging Policy.				
7.8.	It is strictly prohibited for transplant Healthcare Professionals or surgeons to take part in diagnosing Death by Neurological Criteria (DNC) or obtaining the consent.				
8	STANDARD FOUR: CONSENT FOR ORGAN TRANSPLANT				
8.1.	For potential transplant recipients who are on the wait-list for a deceased donor kidney, the consent shall be signed before the procedure. Living Related donors shall sign the consent before the donor workup begins. Check-list for kidney transplant candidate's workup is elaborated in Appendix 2.				
8.2.	Kidney Transplant Surgery Consent shall include the following:				

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8.2.1.	Potential psychosocial risks post-transplant				
8.2.2.	Transplant centre's observed and expected one-year survival rate				
8.2.3.	Prospective transplant candidate of alternative treatments.				
8.2.4.	Organ donor risk factors that could affect the success of the graft or the candidate's health as a recipient.				
8.3.	Consent for living kidney donation shall include the following:				
8.3.1.	Potential psychosocial risks of donation.				
8.3.2.	Alternative treatments for the transplant candidate				
8.3.3.	Donors have the right to opt out of donation at any time during the donation process.				
8.5.	Before performing transplantation from a living donor, the following conditions should be fulfilled; exclusion criteria for donation in Living-Donor Kidney Transplantation (LDKT) are elaborated in-Appendix 3.				
8.5.1.	Living related donors and their intended recipients shall provide attested documents by relevant authorities as proof of relationship.				
8.5.2.	The organ donor shall sign a written consent that he/she has read and understood the donation process and the possible and probable hazards resulting from organ removal and this should be documented in his/her health record.				
8.5.3.	The patients shall sign a separate Transplant consent, along with the surgical consent				
8.7.	Each hospital and organ transplant center should send a list of the names of end-stage organ failure patients to The National Center which in turn establishes national and local waiting lists for each				

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	organ transplant in accordance with priority. This waiting list is sent back to The National Center to act accordingly.				
9	STANDARD FIVE: MEDICATION REQUIREMENTS				
9.1.	Hospitals providing kidney transplant services shall ensure the in-house availability of the following drugs, but not limited to:				
9.1.1.	Immunosuppressive drugs:				
a.	Cyclosporine				
b.	Tacrolimus				
c.	Azathioprine				
d.	Mycophenolate Mofetil				
e.	Prednisolone				
f.	Other similar drugs categories.				
9.1.2.	Drugs for treating rejection episodes:				
a.	Methylprednisolone				
b.	Anti-lymphocyte Globulin (ALG) or Anti-Thymocyte Globulin (ATG)				
c.	Monoclonal Antibodies.				
9.1.3.	Solution for perfusing the organs.				
9.1.4.	Drugs for treating bacterial, viral, fungal or parasitic infections.				
10	STANDARD SIX: DIALYSIS UNITS REQUIREMENTS				
10.1.	Every Kidney Transplant Unit shall render the necessary technical assistance to all dialysis units requesting their assistance. This includes the following:				
10.1.1.	Constitutes a referral center for difficult cases, surgical or non-surgical, concerning kidney transplantation.				

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10.1.2.	Performs tissue typing and anti- donor antibody screening on all End Stage Renal Disease (ESRD) patients fit for transplantation				
10.1.3.	Decides the fitness of patients for transplantation and sends their names and results of investigations clearly documented to the Kidney Transplant Unit.				
11	STANDARD SEVEN: PRE-OPERATIVE ASSESSMENT AND EVALUATION OF DONOR AND RECIPIENT CANDIDATES				
11.1.	The Pre-operative assessment and evaluation of Donor Candidate is elaborated in Appendix 4.				
11.2.	The Pre-operative assessment and evaluation of Recipient Candidate is elaborated in Appendix 5.				
12	STANDARD EIGHT: POST-OPERATIVE MANAGEMENT OF TRANSPLANT RECIPIENT				
12.3.	The immunosuppressive therapy for Kidney Transplant recipients shall be under the supervision of a specialist/consultant Most Responsible Physician (MRP).				
Appendix 4	PRE-OPERATIVE ASSESSMENT AND EVALUATION OF DONOR CANDIDATES				
A4.1.	Preliminary Evaluation				
A4.1.1.	Physiologic and medical history, family medical history, physical examination				
A4.1.2.	Performance status and nutritional status.				
A4.2.	Laboratory Test				
A4.2.1.	Blood group				
A4.2.2.	Complete blood count				
A4.2.3.	Serum creatinine, blood urea nitrogen (BUN), Sodium, potassium, calcium, clorum, glucose, Cystin C				
A4.2.4.	Creatinine clearance with Glomerular Filtration Rate (GFR) measurement, at least 3 times				
A4.2.5.	Full urine test with urine sediment examination (at least 3 times), proteinuria in 24 hours				

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A4.2.6.	Serum Liver Transaminases (AST, ALT), Gamma Glutamyl Transpeptidase (GGT), Alkaline Phosphatase (ALP), Lactate Dehydrogenase (LDH)				
A4.2.7.	Serum total and direct bilirubin				
A4.2.8.	Serum HDL and non-HDL Cholesterol, Triglyceride				
A4.2.9.	Plasma proteins levels and protein electrophoresis				
A4.2.10.	PT, PTT, Fibrinogen				
A4.2.10.1.	Fecal occult blood test.				
A4.2.11.	Microbiology Tests				
A4.2.12.	Urine culture test (2 times)				
A4.2.13.	HBV markers: HBsAg, HBsAb, HBcAb, HBeAg, HbeAb				
A4.2.14.	HCV-RNA, HIV-RNA				
A4.2.15.	Serology test for Cytomegalovirus (CMV) IgG - IgM, Toxoplasma, Epstein Barr, HTLV I-II				
A4.2.16.	Screening for syphilis (VDRL, TPHA)				
A4.2.17.	MANTOUX (if required)				
A4.3.	Immunologic Tests				
A4.3.1.	HLA typing				
A4.3.2.	Donor/Recipient Cross Match				
A4.4.	Other Preliminary Examinations				
A4.4.1.	ECG, echocardiography, cardiologic examination				
A4.4.2.	Chest x-ray				
A4.4.3.	Abdominal Ultrasound				
A4.4.4.	Psychological evaluation.				
A4.5.	Second-Level Investigations				
A4.5.1.	Specific examinations for previously suspected or diagnosed pathologies (chest CT scan, mammography and US, gynecologic examination)				
A4.5.2.	Angio-CT scan or Angio-MR imaging				
A4.5.3.	Uro-CT scan or perfusion urography				

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A4.5.4.	Renal scintigraphy.				
Appendix 5	PRE-OPERATIVE ASSESSMENT AND EVALUATION OF RECIPIENT CANDIDATES				
A5.1.	The pre-operative examination shall include the following:				
A5.1.1.	Physiologic and medical history, family medical history, physical examination				
A5.1.2.	Detailed evaluation of the underlying renal disease, type of dialysis				
A5.1.3.	Performance status and nutritional status				
A5.2.	Laboratory Tests				
A5.2.1.	Blood group				
A5.2.2.	Complete blood count				
A5.2.3.	Serum creatinine, Blood Urea Nitrogen (BUN), Sodium, potassium, calcium, chloride, CO ₂ , glucose, phosphate, uric acid				
A5.2.4.	Full urine test with urine sediment examination (if residual diuresis is present)				
A5.2.5.	Serum Liver Transaminases (AST, ALT), Gamma Glutamyl Transpeptidase (GGT), Alkaline Phosphatase (ALP), Lactate Dehydrogenase (LDH)				
A5.2.6.	Serum total and direct bilirubin				
A5.2.7.	Full lipid panel dosage				
A5.2.8.	Plasma proteins levels and protein electrophoresis				
A5.2.9.	PT, PTT, Fibrinogen				
A5.2.10.	CPK, CPK-MB				
A5.2.11.	ESR, ASLOT				
A5.2.12.	Fecal occult blood test				
A5.3.	Microbiology Tests				
A5.12.4.1.	Urine culture test (if residual diuresis is present)				
A5.12.4.2.	HBV markers: HBsAg, HBsAb, HBcAb, HBeAg, HbeAb				
A5.12.4.3.	HCV-RNA, HIV-RNA				

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A5.12.4.4.	Serology test for CMV (IgG - IgM), Toxoplasma, Epstein Barr, HTLV I-II				
A5.12.4.5.	Screening for syphilis (VDRL, TPHA)				
A5.12.4.6.	MANTOUX test (if required)				
A5.4.	Cardiologic Evaluation				
A5.4.1.	All potential transplant candidates are at higher risk of coronary artery disease, but there are some very high-risk subgroups. High-risk subgroups include the following:				
A5.4.1.a.	Prolonged duration of dialysis (greater than 5 years)				
A5.4.1.b.	Family history of coronary artery disease in first degree relative, history of smoking, dyslipidemia (HDL less than 0.9 mmol/L, LDL greater than 3.4 mmol/L)				
A5.4.1.c.	Body mass index (BMI) greater than 30				
A5.4.1.d.	History of hypertension				
A5.4.1.e.	Diabetes mellitus.				
A5.4.2.	Cardiologic examination, ECG, echocardiography,				
A5.4.3.	Exercise Cardiac Stress Test				
A5.4.4.	Myocardial Perfusion scintigraphy (if indicated)				
A5.4.5.	Patients with a positive screening test should be referred to a cardiologist for further evaluation usually including coronary angiography.				
A5.4.6.	Suitable patients with critical disease should undergo intervention with bypass surgery or angioplasty and stenting. Some patients with severe diffuse disease will be turned down for transplantation because of their poor prognosis.				
A5.5.	Other Examinations include the following:				
A5.5.1.	Chest-abdomen-pelvis CT scan				
A5.5.2.	EGDS with HP test				

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A5.5.3.	Colonoscopy				
A5.5.4.	Uro-CT scan or perfusion urography				
A5.5.5.	Cystometry				
A5.5.6.	Color Doppler of the iliac-femoral axis and supraaortic vessels				
A5.5.7.	Gynecologic examination e PAP TEST, PSA serum levels, urologic examination with prostate US scan				
A5.5.8.	Mammography and US scan				
A5.5.9.	Brain MR imaging (in pts with polycystic disease)				
A5.5.10.	Dental examination with orthopantomogram				
A5.5.11.	Fundus oculi				
A5.5.12.	Dermatologic examination				
A5.5.13.	Psychological evaluation				
A5.6.	Immunologic Tests				
A5.6.1.	HLA typing				
A5.6.2.	Donor/Recipient Cross Match				
A5.7.	Immunization				
A5.7.1.	All potential transplant recipients should have been immunized before transplant according to past immunization history. Antibody levels are determined at time of referral.				
A5.7.2.	Patients should receive the following vaccinations prior to transplant:				
A5.7.2.a.	Td or Tdap				
A5.7.2.b.	IPV				
A5.7.2.c.	Hepatitis B				
A5.7.2.d.	Meningococcal (conjugate)				
A5.7.2.e.	Pneumococcal (conjugate and/or polysaccharide)				
A5.7.2.f.	Hib				
A5.7.2.g.	Influenza				
A5.7.2.h.	MMR				

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A5.7.2.i.	Varicella				
A5.7.3.	Live vaccines (MMR and varicella) administered before the transplant must be completed at least six weeks before transplantation. Yearly influenza immunization is indicated for all immunosuppressed individuals.				

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