



Directorate General of Health Services
Hospital & Clinics Section
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Dialysis Unit Monitoring Tools:

Name of the Organization:

Name of the Incharge/Head:

Total bed:

SI	Areas	Yes	No	Means of Verification (MOV)
1	<i>Acute Haemodialysis</i>			The Dialysis Centre shall have provision for dialysis in case of Acute Kidney Injury (AKI) and Acute on Chronic Kidney Disease (CKD) patients for 24X7. The dialysis center shall have the facilities for urgent investigation of Blood Urea, Serum Creatinine, serum Electrolyte, HBsAg and pulse oximeter
2	<i>Chronic Haemodialysis</i>			The Dialysis Centre shall have provision for dialysis of CKD patients. There should be a system of pre-booking of appointments for dialysis of CKD patients. The dialysis center shall have the facilities to do routine investigations of Blood Urea, Serum Creatinine, serum Electrolyte, HBsAg and pulse oximeter
3	<i>SLED and CRRT machine</i>			The Dialysis Centre shall have the SLED and CRRT machine. The dialysis center shall have the facilities for urgent investigation of Blood Urea, Serum Creatinine, serum Electrolyte, HBsAg facility, pulse oximeter, ventilation, Cardiac monitor facility should be available
4	<i>Signage of dialysis Centre</i>			The Dialysis Centre shall display appropriate signage which shall be in at least two languages.
5	<i>Patients' rights & responsibilities.</i>			Patients should get dialysis if necessary and patients condition should be

				<p>explained to his/her family.</p> <p>The Dialysis Centre shall display Patient's rights and responsibilities inside the dialysis centre appropriate signage which shall be in at least two languages.</p>
6	<i>Safety Hazard and Caution signs</i>			<p>e.g. hazards from electrical shock, inflammable articles, radiation etc shall be displayed at appropriate places, and as applicable under law.</p>
7	<i>Emergency exit / Fire exit</i>			<p>The Dialysis Centre shall have a whistle or alarm system in case of fire or emergency.</p> <p>The Dialysis Centre shall have a separate emergency/Fire exit and display appropriate signage which shall be in at least two languages.</p>
8	<i>Adequate space</i>			<p>Dialysis station shall be designed to provide adequate space area and safe treatment as well as to ensure the privacy of patients. The area shall not be less than 08 square meters to accommodate a bed or chair, the dialysis equipment and emergency equipment if needed.</p>
9	<i>Separate hemodialysis system</i>			<p>Separate haemodialysis area shall be designated solely for use of Hepatitis B & Hepatitis C patients.</p>
10	<i>Nursing station in appropriate place</i>			<p>Nursing station shall be located in an area that allows adequate surveillance of patients on hemodialysis machines. It shall also be the releasing area for post-hemodialysis patients.</p>
11	<i>Water Treatment plant</i>			<p>The dialysis centre shall have a dedicated water treatment plant for the treatment of water which will be used in hemodialysis.</p>
12	<i>Waiting space</i>			<p>The centre shall have waiting area with sufficient seats for patients and visitors.</p> <p>The Centre shall have 24 hour provision of potable water for drinking & hand hygiene.</p> <p>It shall have toilet facilities. It shall also have 24 hours supply of electricity, either through direct supply or from other sources.</p>
13	<i>Water testing option</i>			<p>The centre shall have provision for analysis of water used for haemodialysis purposes for bacteria at least monthly, for chemicals at least every six months and treated as necessary to maintain a continuous water supply that is biologically and chemically compatible</p>

			with acceptable hemodialysis techniques
14	<i>Minimum space requirements</i>		<i>Shall be as per Annexure 1</i>
15	<i>Indicative list of furniture and fixtures</i>		<i>As per Annexure 2</i>
16	<i>Indicative list of medical equipment and instruments</i>		<i>As given in Annexure 3</i>
17	<i>Indicative list of drugs, medical devices and consumables</i>		<i>Shall be as per Annexure 4</i>
18	Qualified Nephrologist		Doctor having MD in nephrology or its equivalent degree shall be the head of the centre.
19	<i>Trained Medical, nursing & paramedics staff who have at least 01 year training experience in established hemodialysis center.</i>		The centre shall have qualified and/or trained medical staff as per the scope of service provided and the medical care shall be provided as per the requirements
20	Adequate number of HR		Nephrologists = 1(Full time/Part time) Medical Officer : Patient= 1: 5 (per shift) Nurse : Patient= 1: 3 (per shift) Nursing Supervisor= 1 (per shift) Dialysis Technician= 1 (per shift) Aya/ward boy: patient= 1: 4 (per shift) Cleaner: patient= 1: 5 (per shift)
21	<i>CSSD/ Sterilization system</i>		Provision for instrument and linen sterilization and storage of sterile items shall be made available as per the scope of services. Validation of Sterilization shall be done for ensuring the effectiveness of sterilization process
22	<i>Waste Management system</i>		Segregation, collection, transportation, storage and disposal of biomedical waste shall be as per Bio medical waste handling rules.
23	<i>Medical record keeping system</i>		Medical Records may be maintained in physical or digital format.
24	<i>Patient Communication system</i>		Patient and/or families shall be educated on preventive, curative, promotive and rehabilitative aspects of care either verbally, or through printed materials.
25	<i>Hand Hygiene practice</i>		The centre shall follow standard precautions like practicing hand hygiene, use of personal protection equipment, etc to reduce the risk of healthcare associated infections.
26	<i>Reuse machine for reusable dialyzer</i>		Fibre bundle volume at least 80%

ANNEXURE 1

Minimum space for 10 bed hemodialysis centre shall be as follows:

S.no.	Area	Minimum requirement	
Registration Area			
1.	Reception Area	30 sq mtrs	
2.	Waiting Area		
	Public Utilities		
Treatment Room			
3.	Bed Space	150 sq mtrs	
4.	Procedure Room		
5.	Staff Changing Room		
6.	Dirty Utility		
7.	Clean Utility/Store		
8.	Dialyzer cleaning area with Reuse machine		
9.	Toilet		
10.	Store Room		
11.	Store & Pharmacy		20 sq mtrs
Administrative Department			
12.	Accounts Office	20 sq mtrs	
13.	Medical Records		
Water treatment Area			
14.	RO Plant	20 sq mtrs	
15.	Water Pump		
Generator Area			
16.	Generator(continuous power supply)	5 sq mtrs	

****Space should be increased accordingly.***

Annexure 2

FURNITURE AND FIXTURES

S.N	ARTICLES
1.	Examination Table
2.	Writing tables
3.	Chairs
4.	Almirah
5.	Waiting Benches
6.	Medical Beds
7.	Wheel Chair/Stretcher
8.	Medicine Trolley, Instrument Trolley
9.	Screens/curtains
10.	Foot Step
11.	Bed Side Table
12.	Stool
13.	Examination Lamp
14.	View box
15.	Fans
16.	Tube Light/ lighting fixtures
17.	Wash Basin
18.	IV Stand
19.	Color coded bins for BMW
20.	Weight machine
21.	Food trolley (bed side)

****this is an indicative list and the items shall be provided as per the size of the hospital and scope of service.***

Annexure3

EQUIPMENTS

a. Emergency Equipment

SI No	Name of Emergency Equipments
1	Resuscitation equipment including Laryngoscope, endotracheal tubes, suction equipment, xylocaine spray, oropharyngeal and nasopharyngeal airways, Ambu Bag- Adult & Paediatric (neonatal if indicated)
2	Oxygen cylinders with flow meter/ tubing/catheter/face mask/nasal prongs
3	Suction Apparatus
4	Defibrillator with accessories
5	Equipment for dressing/bandaging/suturing
6	Basic diagnostic equipment- Blood Pressure Apparatus, Stethoscope,, weighing machine, thermometer
7	ECG Machine
8	Cardiac Monitor
9	Pulse Oximeter
10	Nebulizer with accessories
11.	Glucometer
12.	Sphygmomanometer
13	Stethoscope
14	Air conditioning system

b. The other equipment shall also be available in good working condition as per the scope of services and bed strength Indicative list given below.

Sl. No.	Equipment
Essential Equipment	
1.	Haemodialysis Machine
2.	Stethoscope
3.	Sphygmomanometer
4.	Examining light
5.	Oxygen unit with gauge
6.	Minor surgical instrument set
7.	Instrument table Page 3 of 5
8.	Goose neck lamp
9.	Standby rechargeable light
10.	ECG machine
11.	Suction machine
12.	Defibrillator with cardiac monitor
13.	Stretcher
14.	Wheelchair

15.	Hemodialysis Equipment (Single and Multiple Use Dialyzer, AV line, Fistula needle)
16.	Haemodialysis catheter (Femoral, jugular, permanent Catheter)
17.	Monitor
18.	Pulse Oximeter
19.	CRRT Machine
20.	SLED Machine
21.	Syringe pump
22.	Infusion pump
23.	Cardiac monitor

ANNEXURE 4

DRUGS, MEDICAL DEVICES AND CONSUMABLES

a. List of Emergency Drugs and consumables (Essential in all hospitals)

SI No.	Name of the Drug
INJECTIONS	
1.	INJ. DIAZEPAM 10 MG
2.	INJ. FRUSEMIDE 20 MG
3.	INJ. ONDANSETRON 8 MG/4ML
4.	INJ. RANITIDINE
5.	INJ NOR ADRENALINE 4 MG
6.	INJ. PHENYTOIN 50 MG
7.	INJ DICLOFENAC 75 MG
8.	INJ. DERIPHYLLINE
9.	INJ CHLORPHENIRAMINE MALEATE
10.	INJ. HYDROCORTISONE 100 MG
11.	INJ. ATROPINE 0.6 MG
12.	INJ. ADRENALINE 1 MG
13.	INJ. KCL
14.	STERILE WATER
15.	INJ. SODA BICARBONATE
16.	INJ. DOPAMINE
17.	INJ. NALAXONE 400 MCG
18.	INJ. LIGNOCAINE 50 ML
19.	INJ. HEPARIN,LOW MOLECULAR HEPARIN
20.	NIFICAP GEL
21.	GTN
22.	NEB. SALBUTAMOL 2.5 ML
23.	NEB. BUDESONIDE
24.	LIGNOCAINE JELLY 2%
OTHER	
25.	Syringe
26.	Gloves
27.	Gauze
28.	Povidine Iodine Solution
29.	Suture Materials
30.	Scissors

31.	Artery forceps
32.	Sponge holder
33.	Needle holder
34.	BP blade
35.	Tooth Forceps
36.	Hexisol
FLUIDS	
37.	RL 500 ML
38.	NS 500 ML
39.	NS 250 ML
40.	NS 100 ML
41.	DNS 500 ML
42.	DEXTROSE 5% 500 ML
43.	DEXTROSE 10% 500 ML
44.	PEDIATRIC IV INFUSION SOLUTION 500 ML
45.	DEXTROSE 25% 100 ML

b. The other drugs and consumables shall be available as per the scope of services, bed strength and patientturnover.