**Chapter B10 – Haemodialysis Service**

1. **Basic Information**

|  |  |
| --- | --- |
| Name of Service |  |
| Location of Service |  |
| Scope of Service |  |
| Operating hours |  |
| 24-hour emergency service is available | Choose an item. |
| Number of beds |  |
| Number of chairs |  |
| Age limit of patients |  |

Please indicate whether the following anaesthetic procedures will be provided:

|  |  |
| --- | --- |
| **Anaesthetic procedures** | **If yes, please indicate location** |
| General anaesthesia Yes  No |  |
| Major regional anaesthesia  Yes  No |  |
| Deep sedation Yes  No |  |

1. **Medical Practitioner-in-charge**

|  |  |
| --- | --- |
| Name in English |  |
| Name in Chinese |  |
| Post Title |  |
| Qualifications |  |

1. **Nurse-in-charge**

|  |  |
| --- | --- |
| Name in English |  |
| Name in Chinese |  |
| Post Title |  |
| Qualifications |  |

1. **Staffing**
   1. Manpower\* (including the Nurse-in-charge)

|  | **Rank** | **No.** |
| --- | --- | --- |
| Resident medical practitioner |  |  |
|  |  |  |
| Nurse |  |  |
|  |  |  |
| Others | HCA |  |
|  |  |  |
|  |  |  |

*\* “Proposed manpower” for new hospital*

* 1. Other requirements

|  |  |
| --- | --- |
| 1. Minimum “nurse to patient ratio” | 1 : |
| 1. Each patient is attended to by the specialist in nephrology who is in charge of the patient’s dialysis treatment on a regular basis | Choose an item. |
| 1. A registered nurse who has been trained in the practice of haemodialysis service is available at all times as the duty nurse-in-charge to supervise nursing care of the service | Choose an item. |
| 1. Staff are trained in universal precautions necessary for haemodialysis setting to prevent transmission of infection | Choose an item. |

1. **Physical Conditions**

|  |  |
| --- | --- |
| 1. There are dedicated facilities and equipment for patients with hepatitis B or C   If yes, please elaborate: | Choose an item. |
| 1. Patients with hepatitis B are dialysed with dedicated facilities and equipment in segregated area away from patients without hepatitis B | Choose an item. |

1. **Critical or Major Equipment**
   1. Haemodialysis (HD) machines

| **Type of equipment** | **Quantity** | **Schedule of maintenance as per the manufacturer’s recommendation** | **Date of last service / maintenance#** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

*# Not applicable for new hospital*

6.1.1 Testing and maintenance of HD Machines

|  |  |  |  |
| --- | --- | --- | --- |
| Total number of HD machines (including spare machines) |  | | |
| Type of disinfectant used |  | Frequency |  |
| Type of test used for checking residual disinfectant |  | Frequency |  |
| Type of test of dialysis fluid |  | Frequency |  |

* 1. Water treatment and distribution system

| **Type of equipment** | **Quantity** | **Schedule of maintenance as per the manufacturer’s recommendation** | **Date of last service / maintenance#** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

*# Not applicable for new hospital*

* + 1. Planned testing and maintenance of water treatment and distribution system

|  |  |  |  |
| --- | --- | --- | --- |
| There are guidelines for disinfection as recommended by the manufacturer | | | Choose an item. |
| Type of disinfectant used |  | Frequency |  |
| Type of test used for checking residual disinfectant |  | Frequency |  |

* + 1. Routine testing of water treatment and distribution system

| **Types of specimen** | **Types of test (e.g. culture, endotoxin, inorganic contaminants, etc.)** | **Frequency** |
| --- | --- | --- |
| Dialysate |  |  |
| RO water |  |  |
| Raw water |  |  |
|  |  |  |

*# Not applicable for new hospital*

* 1. Critical or major equipment other than HD machine and water treatment and distribution system *(e.g. Defibrillator)*

| **Type of equipment** | **Quantity** | **Schedule of maintenance as per the manufacturer’s recommendation** | **Date of last service / maintenance#** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

*# Not applicable for new hospital*

* 1. Other requirements

|  |  |
| --- | --- |
| 1. In case of interruption of electricity supply, there is a supply of backup electricity to allow for the return of blood from dialysis machines. Alternatively, the dialysis machines are fitted with mechanical devices to allow manual return of blood to the patient | Choose an item. |
| 1. There is proper documentation of testing, repair and maintenance of dialysis machines and water treatment system to ensure that they are kept in good functional order | Choose an item. |
| 1. There are written policies and procedures on regular disinfection of water treatment and distribution systems, haemodialysis machines and equipment. Disinfection of equipment and machines are carried out in accordance with the recommendations of the manufacturers | Choose an item. |
| 1. If chemical disinfection is performed, appropriate measures are in place to test and document the absence of residual disinfectants in the system | Choose an item. |
| 1. All equipment is installed, operated, maintained and calibrated according to manufacturer’s recommendation | Choose an item. |
| 1. There are operating manuals and procedures for use of equipment | Choose an item. |
| 1. There are procedures and schedules for cleaning, disinfection and decontamination of equipment | Choose an item. |
| 1. Staff using medical equipment have completed training in the safe and proper use of the equipment | Choose an item. |
| 1. There is preventive maintenance schedule established for all critical or major equipment | Choose an item. |

1. **Service Delivery and Care Process**

|  |  |
| --- | --- |
| 1. There are written policies and procedures for safe conduct of haemodialysis procedures which include: | |
| 1. admission of patients | Choose an item. |
| 1. management of patients with blood-borne infections | Choose an item. |
| 1. immunisation of susceptible patients and staff | Choose an item. |
| 1. staffing arrangements | Choose an item. |
| 1. informed consent | Choose an item. |
| 1. initiation and termination of haemodialysis procedures | Choose an item. |
| 1. monitoring of patient conditions during dialysis | Choose an item. |
| 1. care of vascular access | Choose an item. |
| 1. operation of the haemodialysis machines and water treatment systems | Choose an item. |
| 1. testing of water quality at haemodialysis machines and at water treatment systems at regular intervals | Choose an item. |
| 1. the control of infection and cross-infection | Choose an item. |
| 1. serological testing of blood-borne viruses for patients, with testing conducted prior to commencing haemodialysis, at regular intervals thereafter, and when clinically indicated, with results documented | Choose an item. |
| 1. management of disinfectant toxicity | Choose an item. |
| 1. handling emergencies within the service including sudden cessation of electricity supply, water supply and special arrangement during adverse weather conditions | Choose an item. |
| 1. There is safe storage for chemical substances. Such substances are properly labeled | Choose an item. |
| 1. No repair and maintenance works by the technician is undertaken when the haemodialysis procedure is in progress | Choose an item. |
| 1. Testing of water quality is performed and documented at regular intervals to ensure that the water quality meets internationally acceptable standards | Choose an item. |
| 1. Alarm system is in place to monitor operation of water treatment system such as water level | Choose an item. |
| 1. If the service is operated by a separate entity outside the hospital, mechanism exists to monitor the quality of services provided by the entity | Choose an item. |