Diploma in dialysis technicians

-It is the best implicated method of management in renal failure patient

Course duration 2 years

Eligibility

* Intrested candidate must have passed 10+2 with physics chemestry biology or math with 40% marks by state board or any recognised board/ university.

Second year

Paper 1

General medicines and general surgery

Lesion 1

Infection and communicable diseases

Lesion 2-

Metabolic disorder:- diabetes obsity gout

Lesion 3:-

Diseases of endocrine system

Lesion 4:-

Diseases of nervous system

Lesion 5:-

Diseases of G I T

Lesion 6:-

Disease of blood

Lesion 7:-

Diseases of cardiovascular system

Lesion 8:-Disease of ear nose and throat

Lesion 9:-

Disease of respiratory system

Lesion 10:-

Diseases of eye

2:-general surgery

1- Wound
2- Ulcer
3- Skin graft
4- Burn
5- Orthopedic conditions
6- Gynecological and obstetrics conditions
7- other surgical conditions

Paper-2

Clinical nephrology and Dialysis management

Clinical nephrology

#- Various diagnostic procedures of renal diseases
#- Manifestation of renal diseases
#- Renal vascular diseases
#- Renal involvement in systemicdiaseases
#- Infection conditions of kidney and urinary tract
#- Obstruction of urinary tract
#- Effects of the drugs on the kidney
#- Tumors of kidney and urinary tract
#- Hard water syndrome

#- Water fluid and electrolyte inbalance

Dialysis management

1- Concept of dialysis
2- Haemo dialysis
3- Water for dialysis procedure
4- Filtration decantation distillation
5- Softener deionizer
6- Reverse osmosis different in purties
8 Water used in dialysis compare ro with d i
9- Different types of dialyzer
description reuse indication care factors improving performance choosing dialyzer priming sterility washing formalin use hemofiltration haemoperfusion

10- Dialysis equipment:-

Accessory equipment and functions blood pump monitors of temp. Flow pressure monitors of daily sate concentration ph
11- Chemicals used in daily sate advantages and disadvantages
12- Delivery system
13 Care assessment preparations
15 Complications:-
Complication during and after dialysis. If management potential problems during dialysis prevention hypovolacmia and its management
18- Peritoneal dialysis
Indication.dailysate preparation procedure types care complication- management. toxic substances added
19- Re- Dialysis assessment
20- Temporary vascular access
23- Goal of dialysis
24- Anti coagulant drug added in PD
25- Emergency drugs and injections
24- Disinfection procedure of machines and instruments
25- Clinical basics of i v fluid creatinin clearance
26 Role of dialysis technician.