PLASMAPHERESIS

It is extracorporeal procedure in which large quatities of plasma removed and replaced by FFP(Fresh frozen plasma),albumin and normal saline

INDICATIONS:

RENAL

* Good pasture syndrome
* TTP(thrombotic thrombocytopenic purpurea)
* Systemic vasculitis
* Severe cryoglobulinemia
* Antibody mediated renal graft rejection
* HUS(hemolytic uremic syndrome)
* SLE

NON-RENAL

* GBS (Gillian barre syndrome)
* Myasthenia gravis crisis
* Hyper viscocity syndrome
* Thombocytosis
* Hyper leukocytosis
* Sickle cell disease crisis

Prescription of plasmapheresis:

* Replacement fluid
* FFP
* Albumin
* Anticoagulation
* Medication ( Inj-avil ,hydrocort-c, Rantac, emset, calcium gluconate 20ml)
* Duration time
* Plasma volume to be removed depends on less bodyweight 35-40ml/kg body weight
* Vascular access blood flow rates upto 100-150 ml/min

Hence central venous catheter is required

Complications:

* Hematoma
* Pneumothorax
* Retroperitoneal bleeding
* Hypersensitivity reaction
* Hypotension
* Hypocalcemia
* Metabolic alkolosis
* Edema