

Hemodialysis Paragraph

Anthony Yu

September 30, 2024

Hemodialysis is a treatment method for patients with kidney failure by removing extra fluids and waste from the blood stream. It helps regulate mineral levels (potassium, sodium, calcium) as well as blood pressure. Hemodialysis works by connecting the patient's blood vessels to a dialyzer filter through an incision. A Heparin pump pumps the blood into the dialyzer filter to prevent clotting. Inside the filter, there is a side for blood and a side for dialyzer fluid, separated by a membrane. Harmful materials in the blood diffuse through the membrane while cells that originally belong to the body remain in the blood. The newly filtered blood is then transferred back into the patient's body.