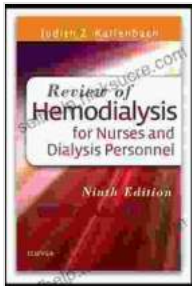


A Comprehensive Review of Hemodialysis for Nurses and Dialysis Personnel



Review of Hemodialysis for Nurses and Dialysis Personnel - E-Book by Judith Z. Kallenbach

★★★★☆ 4.5 out of 5

Language : English
File size : 10335 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 432 pages



Hemodialysis is a life-sustaining treatment for patients with kidney failure. It removes waste products and excess fluid from the blood when the kidneys are unable to perform these functions. Hemodialysis is typically performed in a dialysis center, but it can also be performed at home.

Principles of Hemodialysis

Hemodialysis works by using a semipermeable membrane to separate waste products and excess fluid from the blood. The blood is pumped through the dialyzer, which contains the membrane. The waste products and excess fluid pass through the membrane into the dialysate, which is a sterile solution. The cleaned blood is then returned to the patient.

Procedures of Hemodialysis

Hemodialysis is typically performed three times per week, for four to six hours each session. The patient is connected to the dialysis machine by two needles, one in an artery and one in a vein. The blood is pumped through the dialyzer and returned to the patient through the other needle.

Complications of Hemodialysis

Hemodialysis is a relatively safe procedure, but it can be associated with a number of complications, including:

* Hypotension (low blood pressure) * Hypertension (high blood pressure) *
Muscle cramps * Nausea and vomiting * Headache * Fatigue

Nursing Care for Hemodialysis Patients

Nurses play a vital role in the care of hemodialysis patients. They are responsible for:

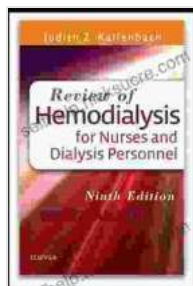
* Assessing the patient's condition before, during, and after dialysis *
Monitoring the patient's vital signs * Administering medications * Providing
patient education * Providing emotional support

Hemodialysis is a life-sustaining treatment for patients with kidney failure. It is a complex procedure that requires the expertise of nurses and dialysis personnel. By understanding the principles, procedures, complications, and nursing care associated with hemodialysis, nurses can provide the best possible care for their patients.

References

* [National Kidney Foundation](<https://www.kidney.org/>) * [American Association of Kidney Patients](<https://www.kidneypatients.org/>) * [National

Institute of Diabetes and Digestive and Kidney Diseases]
(<https://www.niddk.nih.gov/>)



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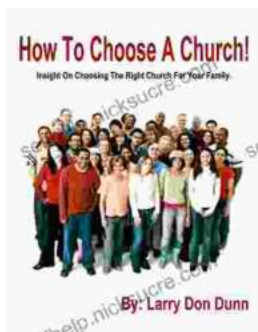
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