

Indications of Dialysis

Acute kidney injury

Refractory acidosis

Peripheral neuropathy

Any toxic ingestion

until eGFR is 6 mL/min.

Pericarditis

edema)

Intractable

symptoms

Uremic encephalopathy

Life-threatening hyperkalemia

 Hypervolemia causing end-organ complications (e.g., pulmonary

Failure to thrive and malnutrition

· Asymptomatic patients with a

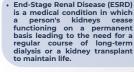
· The guidelines suggest that if

patient is not having these

problems, wait to have dialvsis

GFR of 5 to 9 mL/min/1.73 m²

gastrointestinal



 Renal replacement therapy replaces nonendocrine kidney function in patients with renal failure. Techniques intermittent hemodialysis. continuous hemofiltration and hemodialysis, and peritoneal dialysis.

Symptoms

- General ill feeling Headache and fatique
 - Loss of
- Weight loss Nausea
- high blood pressure. appetite Comes after chronic kidney disease.

Definition

The kidneys may slowly stop working during a period of 10 to 20 years before end-stage disease results.

Causes When the kidneys are no longer able to work at a level needed for day-to-day life.

Most common causes are diabetes and

- Itching

 - without trying

Kidney Transplant

- · A kidney transplant is surgery to place a healthy kidney into a person with kidnev failure.
- Make sure patient is a good candidate for kidney transplant.

Special Diet

- · Eating foods low in protein · Getting enough calories if you are
- losing weight Limiting fluids
- Limiting salt, potassium, phosphorous. and other electrolytes

Types of Dialysis

- · Hemodialysis: blood passes through a tube into an artificial kidney or filter.
- Peritoneal dialysis: a special solution passes into patient's belly though a catheter tube, the solution remains in patient's abdomen for period of time and then is removed.



- Advantages:
- 1. Dialysis-free 4 days a week.
- 2. Possible to be done at home
- 3. Normal routine and travel with the machine 4. Have to arrange access to dialysis facilities
- when traveling to another country
- Disadvantages:
- Diet and fluid restriction

Treatment 5 Low blood pressure:

1. Managing fluid gains 2. Don't eat during dialysis

- 3. Diabetes requires eating
- dialyzing
- Hypervolemia:
- 1. Reschedule any missed
- treatment
- 2. Limit sodium intake
- 3. Fluid guidelines
- 4. Record weight
- 5. Manage thirst
- 6. Manage diabetes

Complications & Management

- Infection:
- 1. Keep access site clean and dry
- 2. Check for any signs of an infection
- 3. Hand hygiene and protecting access site
- Itchv skin:
- 1. Avoid using skin care products that contain alcohol 2. Limit shower time to 10 minutes and use warm water
- 3. Be sure to take phosphate binders
- 4. Stay for entire treatment time
- 5. Reschedule any missed treatment

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Peritoneal dialysis

- Advantages:
- Carried out at home.
 - 2. Fewer restrictions on diet and fluid intake.
- · Disadvantages: 1. Carried out every dat
- 2. Upsetting feeling
- 3. Developing peritonitis
- 4. Peritoneum thickening and scarring
- 5.Lack of energy and in some cases malnutrition
- 6. Weight gain