



Treatment Methods for Kidney Failure

HEMODIALYSIS



NATIONAL INSTITUTES OF HEALTH

National Institute of Diabetes and Digestive and Kidney Diseases

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When Your Kidneys Fail

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How Hemodialysis Works

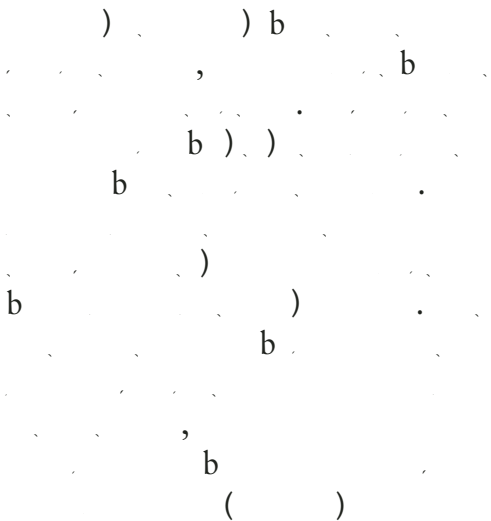
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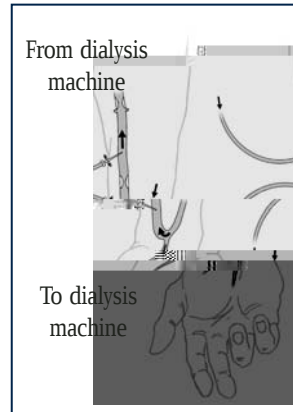
Adjusting to Changes

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Getting Your Vascular Access Ready

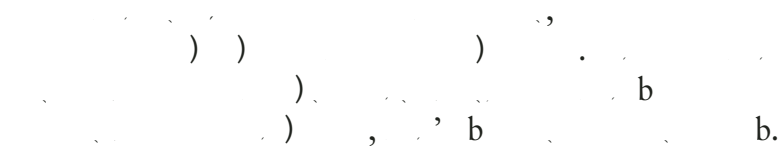


Vascular Access for Hemodialysis.



Arteriovenous fistula.

Equipment and Procedures

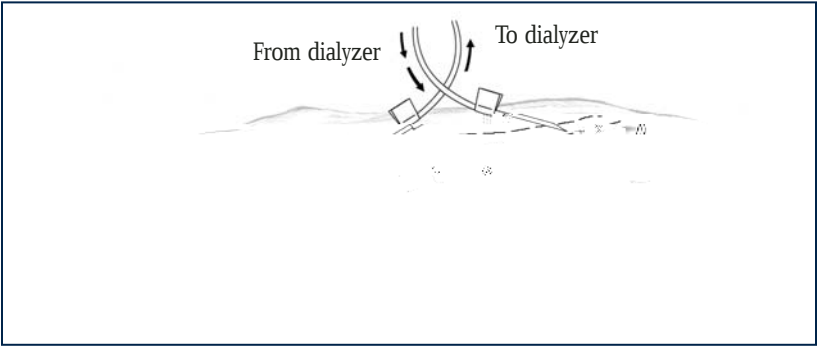


Dialysis Solution

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Needles

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Arterial and venous needles.

Hemodialysis Dose and Adequacy.



Conditions Related to Kidney Failure and Their Treatments

Amyloidosis

There are several types of amyloidosis, each with different symptoms and treatments. The most common type is AL amyloidosis, which is caused by a buildup of abnormal protein in the organs. Other types include AA, A_β2M, and IAPP. The symptoms of amyloidosis can vary depending on the type and the organs affected. Common symptoms include weakness, weight loss, and changes in the skin, heart, and kidneys.

Amyloidosis and Kidney Disease.

How Diet Can Help

Diet can play a role in managing amyloidosis and kidney disease. A healthy diet can help to reduce the risk of complications and improve overall health. For people with kidney disease, a diet low in sodium and protein is often recommended. For people with amyloidosis, a diet that is low in fat and sugar may be helpful. It is important to work with a healthcare provider to develop a diet plan that is tailored to your specific needs.

Fluids.

Fluids are an important part of a healthy diet. For people with kidney disease, it is important to drink enough fluids to stay hydrated. However, for people with heart failure, drinking too much fluid can be harmful. It is important to talk to your healthcare provider about how much fluid you should drink. In general, it is recommended to drink about 8 cups of fluid per day, but this may vary depending on your individual needs.

Potassium.

Potassium is an important mineral for the body. It helps to regulate blood pressure and maintain a healthy heart. For people with kidney disease, it is important to get enough potassium from the diet. However, for people with heart failure, too much potassium can be harmful. It is important to talk to your healthcare provider about how much potassium you should get from the diet. In general, it is recommended to get about 4,700 mg of potassium per day from the diet.

Financial Issues

Financial Help for treatment of Kidney Failure.

Hope Through Research

The End-Stage Renal Disease Program)

The HEMO Study,) 00 ,

The U.S. Renal Data System (USRDS)

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The Hemodialysis Vascular Access Clinical Trials Consortium

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Hemodialysis Vascular Access for
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Resources

Organizations That Can Help

American Association of Kidney Patients

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American Kidney Fund

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Life Options Rehabilitation Program

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National Kidney Foundation, Inc.

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Additional Reading

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Acknowledgments

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About the Kidney Failure Series

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Eat Right to Feel Right on Hemodialysis

- *Kidney Failure: Choosing a treatment that's right for You*
- *Kidney Failure Glossary*
- *treatment Methods for Kidney Failure: Hemodialysis*
- *treatment Methods for Kidney Failure: Peritoneal Dialysis*
- *treatment Methods for Kidney Failure: transplantation*

Amyloidosis and Kidney Disease

- *Anemia in Kidney Disease and Dialysis*
- *Financial Help for treatment of Kidney Failure*
- *Hemodialysis Dose and Adequacy*
- *Kidney Failure: What to Expect*
- *Peritoneal Dialysis Dose and Adequacy*
- *renal osteodystrophy*
- *Vascular Access for Hemodialysis*

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www.kidney.niddk.nih.gov/kidneydiseases/pubs/kidneyfailure/index.htm.

National Kidney and Urologic Diseases Information Clearinghouse

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U.S. Department of Health and Human Services
National Institutes of Health

