



Hemodialysis

a Procedure to Get Through

Ns. Devia Putri Lenggogeni, S.Kep., M.Kep., Sp. Kep. MB.
Muhammad Umar Ridhwan, S.Pd., MM.

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English is one of the most important languages that every student should master in order to be able to compete globally and work internationally. It is also the same way to nursing students. The need to understand kinds of new nursing knowledge and apply it in the field and communicate in English professionally for them seems as a must in recent years due to the demand of professional nurses to work all around the world. This book is created by compiling from some major sources and being equipped by attractive yet easy-to-understand language. It is hoped to help the future readers understand new issue in a simple way. The benefits of this book are:

1. Great explanation about topic with an easy diction.
2. Delivering new information.
3. Providing with a detailed information.



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Dilarang memperbanyak atau memindahkan sebagian atau seluruh isi buku ini dalam bentuk apapun dan dengan cara apapun, termasuk memfotokopi, merekam, atau dengan teknik perekaman lainnya tanpa seizin tertulis dari penerbit.

PREFACE

English is one of the most important languages that every student should master in order to be able to compete globally and work internationally. It is also the same way to nursing students. The need to understand kinds of new nursing knowledge and apply it in the field and communicate in English professionally for them seems as a must in recent years due to the demand of professional nurses to work all around the world. This book is created by compiling from some major sources and being equipped by attractive yet easy-to-understand language. It is hoped to help the future readers understand new issue in a simple way. The benefits of this book are:

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This book consists of 2 unit which are explained in detail in the discussion of each unit, including:

Unit 1 Dialysis

Unit 2 Hemodialysis

It is hoped that readers will be able to both understand the topic and could use the information as needed while having to re-explain or re-inform to others. Then, both theory and practice as it is aimed will be obtained.

Our gratitude to all people we could not mention individually.

Writers,
Devia and Ridhwan

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UNIT 1

DIALYSIS



Source:

https://www.google.com/search?sca_esv=334bdb2960993fde&sxsrf=ADLYWIIxj_8tMWqboPBd

A. Overview

Dialysis is a treatment for people whose kidneys are failing. When you have kidney failure, your kidneys don't filter blood the way they should. As a result, wastes and toxins build up in your bloodstream. Dialysis does the work of your kidneys, removing waste products and excess fluid from the blood.

Kidney failure is a condition in which one or both of your kidneys no longer work on their own. Causes include diabetes, high blood pressure and acute kidney injuries. Symptoms include fatigue, nausea and vomiting, swelling, changes in how often you go to the bathroom and brain fog. Treatment includes dialysis or a kidney transplant.

Kidney failure (renal failure) means one or both of your kidneys no longer function well on their own. Kidney failure is sometimes temporary and develops quickly (acute). Other times it's a chronic (long-term) condition that slowly gets worse.

Kidney failure is the most severe stage of kidney disease. It's fatal without treatment. If you have kidney failure, you may survive a few days or weeks without treatment.

What do the kidneys do?

Your kidneys are bean-shaped organs about the size of your fist. They sit under your ribcage, toward your back. Most people have two working kidneys, but you can live well with only one kidney as long as it's working correctly.

Kidneys have several jobs. One of the most important jobs is helping your body eliminate toxins. Your kidneys filter your blood and send waste products out of your body in urine (pee).

UNIT

2

HEMODIALYSIS



Source:

[https://www.google.com/search?q=abdominal+pain
&tbm=isch&ved=2ahUKEwjqsternI2GAXc5](https://www.google.com/search?q=abdominal+pain&tbm=isch&ved=2ahUKEwjqsternI2GAXc5)

A. Overview

Hemodialysis is a treatment to filter wastes and water from your blood, as your kidneys did when they were healthy. Hemodialysis helps control blood pressure and balance important minerals, such as potassium, sodium, and calcium, in your blood.

Hemodialysis can help you feel better and live longer, but it's not a cure for kidney failure. In hemodialysis, a machine filters wastes, salts and fluid from your blood when your kidneys are no longer healthy enough to do this work adequately. Hemodialysis (he-moe-die-AL-uh-sis) is one way to treat advanced kidney failure and can help you carry on an active life despite failing kidneys. With hemodialysis, you'll need to:

1. Follow a strict treatment schedule
2. Take medications regularly
3. Make changes in your diet

Hemodialysis is a serious responsibility, but you don't have to shoulder it alone. You'll work closely with your health care team, including a kidney specialist and other professionals with experience managing hemodialysis. You may be able to do hemodialysis at home.

Your doctor will help determine when you should start hemodialysis based on several factors, including your:

1. Overall health
2. Kidney function
3. Signs and symptoms
4. Quality of life
5. Personal preferences

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