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Your CRT-D system information

Have your doctor or nurse complete these forms before you go home from the hospital. yes.

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CRT-D Serial Number:
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CRT-D Features: □ RF telemetry
Implant Date:
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Your medical contact information Electrophysiologist Name/Phone Number
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you go home from the hospital. CRT-D Model Number: CRT-D Serial Number: CRT-D Model Type: CRT-D Features: RF telemetry Implant Date: Lead Model/Serial Numbers: Lead Model/Serial Numbers: Cardiologist Name/Phone Number: Hospital Name/Address/Phone Number: Medications (list):

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Introduction

Mania Ex 8001.

Your doctor has determined that you have a form of heart failure—a medical condition in which your heart muscle is unable to pump enough his body's needs. To tree! Aegunud versioor heart failure—a medical condition in which your heart muscle is unable to pump enough blood to meet your body's needs. To treat your condition, your doctor has recommended an implantable cardioverter defibrillator

Outdated ve' Your doctor may also call this ICD system a cardiac resynchronization therapy defibrillator (CDT System A CDT Solventian A CD heart rhythm problems, greatly reducing the risks your heart pump more effectively to meet your body's need for blood flow.

> treats heart rhythms that are too fast and/or too slow.
>
> It will discuss activities you can be a second and the second are too. of the changes that may occur in your life. It will also answer many questions patients typically by have questions. have questions about what you read in this handbook,

ask your doctor or nurse. They are your best resource

glossary is located at the front of the handle of the words you will see in the upcoming pages, as well as those you may be from your doctors and nurses concated at the front of the handbournes many of the words you will see in the upcoming pages, as well as those you may hear from your doctors and nurses.

When is this deviation of the handbourness are upcoming pages, as well as those you may hear from your doctors and nurses. The glossary is located at the front of the handbook.

Mania Ex 800n.

many of the words y specoming pages, as well as the from your doctors and nurses.

When is this deviation of the words y specific pages, as well as the from your doctors and nurses. when is this device used?

Your doctor has decided the defibrillator with he have an rour doctor has decided that you should receive a defibrillator with heart failure therapy because you have an increased risk of sudden cardiac death to ventricular rhythm disturbance death is a result death is a result of sudden cardiac arrest, which occurs when electrical problems in the board a dangerously fast and have an increased risk of sudden cardiac death due a result of sudden cardiac arrest, which occurs when electrical problems in the heart cause a dangerously fast and irregular heart rhythm failure is a condition in which failure is a condition in which the heart cannot pump enough blood to meet your body's nood enough blood to meet your body's needs. Patients whose heart failure is not treated with drug therapy should not receive this device. Also, you may or may not have heart failure symptoms despite drug therapy. Additionally, you may have, or might develop, certain about when this device is used, ask your doctor.

How reliable

It is Boston Scientific's intent to provide implantable devices of high quality and reliability. However the devices may exhibit malfunctions the devices may exhibit malfunctions that may result in Cincelolk

about device performance, including the types and rates of malfunctions that these devices have experienced historically. While historical data mobile predictive of future device not can provide impossible to a can provide imp lost or compromised ability to deliver therapy. Refer to more information

and rates of malfunctions that these devices have experienced historically. While historical data may not be predictive of future device performance, such data can provide important context for under overall reliability of the your death. Boston Scientific's CRM Product Performance Report numerienced historically. While historical data may not be predictive of future device performance, such data can provide important context for understanding the overall reliability of these types of products. Talk with your doctor about this product performance. Jypes

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Liture device performance, such dat

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Lerall reliability of these types of products. Talk with

your doctor about this product performance data, and
the risks and benefits associated with the implantation
of this system. Lastariela Verzija. Vernojte upoti Jersione obsoleta. Non utilizzare. Javun Verlind Neronderde Versier Jebruiken.

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Utdatert versjon. Skalikke brukes.

Versão obsoleta. Não Utilize.

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Glossary

The ability of a device to increase or decrease its pacing

Adaptive rate

The ability of rate in re The ability of a device to increase or decrease its pactivity and the contract of the contract Antitachycardia pacing (ATP)
A series of small, rapid, low-ondelivered to the headily normal. Arrhythmia
An abnormal heartbeat that is too fast, too slow, or irregular.

Asynchrony

\ condition in which the become timing a or small, anyered to the he its normal rhythm. delivered to the heart to slow a rapid heartbeat to its normal rhythm.

Arrhythmia

or irregular.

Asynchrony
A condition in which the heart fails to maintain a normal timing sequence between atrial and ventricular contractions Asynchrony normal timing sequence between atrial and

ventricular contractions:

Atrial fibrillation (AF)

An irregular heart rhythm caused by abnormal electrical Atrial fibrillation (AF) signals starting from several areas of the atria. The atria of a heart in AF may beat between 200 and 600 hearts or a heart in AF may beat between 200 and 600 beats per minute. While not usually immediately life-threatening, untreated AF can greatly increase the risk of stroke or heart muscle damage. Citaral almayan silitim. Kulla

Atrioventricular (AV) node

atrium, just a leart's electrical path atria to the ventricles.

Atrioventrici A cluster of cells located in the wall between the right Atrioventricular (AV) synchrony
The normal timing sequence for of followed, after a fraction of contraction. and left atrium, just above the ventricles. This part of the heart's electrical pathway helps carry signals from the

The normal timing sequence for an atrial contraction followed, after a fraction of a second, by a ventricular contraction.

Atrium (plural: atria)

One of the two One of the two upper chambers of the heart—specifically, the right atrium and left atrium. The atria collect blood as it comes into the heart and pump blood interchambers (ventricles). Nahid Ex 60011.

Outdatedver An abnormally slow heartbeat, typically fewer than 60 beats per minute. beats per minute.

Version

Cardiac resynchronization therapy
Therapy administered by the device that coordinates the ventricles to help them contract at the same time, allowing the heart to pump more effectively.

Cardiac resynchronization therapy

A device (also called a pulse generator) and leads. A CRT-D system is implanted to treat a condition collection for the heart failure. It helps the heart failure. a pulse generator) and leads. A

SITI-D system is implanted to treat a condition called
heart failure. It helps the heart pump more effectively to
meet the body's need for blood flow by coordinating."

left and right ventricular contractions
also function as a different contractions. cincel oly

shock to the heart to restore an extremely rapid and sometimes irregular heart rate to a normal rhythm. See

rocedure in which a fast heart rate (i.e., ventricular tachycardia or atrial fibrillation) is restored to a normal rhythm with an electrical shock that is carefully timed wour heartbeat.

Catheter
Athir rhythm with an electrical shock that is carefully timed with

cycardia or rhythm with an your heartbeat. A thin, flexible tube or wire inserted into the body for a variety of purposes. Catheters are inserted into the heart during an electrophysiology (EP) test to monitor your heart's electrical activity. Hollow cathe used to carry a lead through electrophysiology. electrophysiology (EP) test or study.

Defibrillation

Proced heart during an electrophysiology (EP) test to monitor your heart's electrical activity. Hollow catheters are also used to carry a lead through a blood vessel. See also

Mond Ex 800 n.

Defibrillation
Procedure fibrillation, ventricular tachycardia) is restored to a normal rhythm by delivering an electrical shock

Defibrillator

A device that delivers an electrical shock to the heart to restore an extremely rapid and sometimes irregular heart rate to a normal rhythm. A defibrillator may be an implanted

See cardiac resynchronization therapy defibrillator (CRT-D) system. Janhentunut versio Ala kayta. Foraldrad version. Användel. Citingal almayan silvim. Kulla Lastarana verzia Lastarelarazlicica. See pulse generator. Jersiume extra See pulse generator.

A graphic representation of your heart's electrical signals. The graph shows how electrical signals travel through your heart. Your doctor can tell what kind of rhythm you have by

shows how electrical signals reart. Your doctor can tell what kind of relooking at the pattern of your heartbeat.

Ejection fraction

The percentage of the with each the pattern of your heartbeat. Joctc.

Jat the pat

Ejection fraction

The percentage with each high The percentage of blood ejected from the left ventricle with each heartbeat. A healthy ejection fraction is usually higher than 55%, although this can vary depending on the individual. Patients with a low ejection fraction have an increased risk of sudden your doctor about void it has on nigher than 55%, although this can vary depending on the individual. Patients with a low ejection fraction may have an increased risk of sudden cardiac arrest. Talk will your doctor about your ejection fraction and it has on your health. narction is usually again this can vary depending on rationally rationally rationally rationally rationally rationally rational r have an increased risk of sudden cardiac arrest. Talk with

Invisible lines of force that result from electrical fields (produced by voltage) and magnetic fields (produced the farther they Trania Ex 8001. current flow). Electromagnetic fields decrease in strength the farther they are from their source. Version

Interference that occurs when an electromagnetic field interacts with an implant field interacts with an implanted device. See also electromagnetic field.

Electrophysiology (EP) test or study A test in which catheters (thin, flexible tubes or wires) are inserted into your heart to identify and measure the help your doctor identify the origins of your abnormal heart rhythms, determine how well medications used what treatment is best for your condition. The test can also be used to see how well your device operates during abnormal heart that Citized almayan sirin. Kulla For aldrad version Vanhentunut abnormal heart rhythm.

Fibrillation

See atrial fibrillation and ventricular fibrillation.

Heart block
A condition A condition in which the electrical signals of your heart's natural pacemaker (SA node) are delayed or do not reach the ventricles.

Heart failure

A medical condition ndition in natural pacer, the ventricles.

Heart for A

Aegunud versioor Heart rhythm A series of the your Monia Ex 600M. to your rhythm as being normal or irregular. A normal heart rate typically ranges from 60 to 100 beats minute at rest. A series of heartbeats. You may hear your doctor refer

Implantable Cardioverter Defibrillator (ICD) system
See defibrillator

Lead (pronounced "leed")
An insulated wire that is An insulated wire that is implanted in the heart and connected to the device. The lead senses your heartbeat and delivers pacing pulses and/or shocks from the device to the heart. The leads are usually passed into your heart through a vein through a vein.

Also called a heart attack. A myocardial infarction occurs when an artery that supplies blood to the heart blocked. As a result, blood door the heart the heart, and some of the heart tissue dies. Symptoms of Cincel olmay

a myocardial infarction may include shortness of breath, nausea, fatigue, and/or pain in the chest, arm, or neck.

Pectoral

The area above the breast and below the collarbone. This

Microcomputer-based equipment that is used to communicate with the device. The programmer is during testing and follow-up exams to information from the device.

uses the program and follow-up exams to a superior and the program and the device. communicate with the device. The programmer is used during testing and follow-up exams to gather and display information from the device. The doctor or technician also uses the programmer to adjust the device so the and treats your arrhythmias. and follow-up exams to gather and display information from the device. The doctor or technician also uses the programmer to adjust the device so that it senses and treats your arrhythmias.

Pulse generator

Also called Tonia Ex 6001.

version

Also called a device. The pulse generator is the part of the CRT-D system that contains the electronics and the battery; it is implanted under the contains the cases. battery; it is implanted under the skin in the pectoral (or, in some cases, abdominal) area. See also pectoral

Radio frequency (RF) telemetry communication

Technology that allows the device to exchange information with a programmer by communicating over radio signals. RF telemetry is sometimes referred to as ZIP™ Wandless Telemetry. Your device may or may not be configured for RF telemetry communication. See also telemetry communication.

group of specialized cells in the upper right chamber of the heart (right atrium) that normally generates an electric signal. This signal runs through ...oue is a small ...our (right atrium) that normally generates an electrical signal. This signal runs through the heart and causes the heart to beat. Citized alwayan siring Kulla Föråldrad version

Sudden cardiac arrest (SCA)

The sudden, abrupt loss of heart function (i.e., cardiac arrest) usually due to electrical problems in the heart that cause a dangerously fast and irregular heart rhythm. If untreated, SCA can lead to death (also called sudden

Judden cardiac death (SCD)

Death occurring from sudden cardiac arrest. See also sudden cardiac arrest (SCA).

Supraventricular tachycardiac A fast heart rhythmeters from a sudden cardiac arrest (SCA). A fast heart rhythm caused by electrical signals coming from a specific area above the ventricles, usually in the atria. A heart with SVT may beat over 150 to minute, which may produce not in the chest. minute, which in the chest.

Telemetry communication
Technology that allow with a prewith a programmer by using ZIP Wandless Telemetry or wanded telemetry communication. Technology that allows a device to exchange information frequency (RF) telemetry communication and wanded telemetry communication.

Ventricle

One of two lower chambers of the heart. The right ventricle pumps blood to the lungs, and the left ventricle pumps oxygen-carrying blood from the lungs to the rest of the body.

timing sequence between the contractions of the left and right ventricles. Citized alwayan silvim. Kulla eft i

Ventricular fibrillation (VF)

veral areas of the see peats so fast that it pumps very to the body. A heart in VF may beat more and 300 beats per minute. Without immediate medical attention, VF can be fatal. Defibrillation is the only way to treat VF once it occurs.

Ventricular tachycardia (VT)

A fast rhythm cause coming. A very fast, irregular heart rhythm caused by abnormal

Ventricular tachycardia (VT)

A fast rhythm caused by abnormal electrical signals coming from the ventricle. The rapid rate of 120 to 2 beats per minute may produce dizziness blind spots, and eventual uncomprogress to ventricular caused by abnormal electrical signals coming from the ventricle. The rapid rate of 120 to 25 beats per minute may produce dizziness, weakness, blind spots, and eventual unconsciousness. VT may progress to ventricular fibrillation.

Wanded teleman wanded telemetry

Wanded telemetry communication

Technology that allows a device with a programmer the skin near the with a programmer through a wand that is placed over the skin near the device. See also telemetry communication Jersion,

Jersão obsoleta. Não Utilize.

Lastarana verzia. Nepoužívat.

Luztarela razlicica. Ne liborabite.

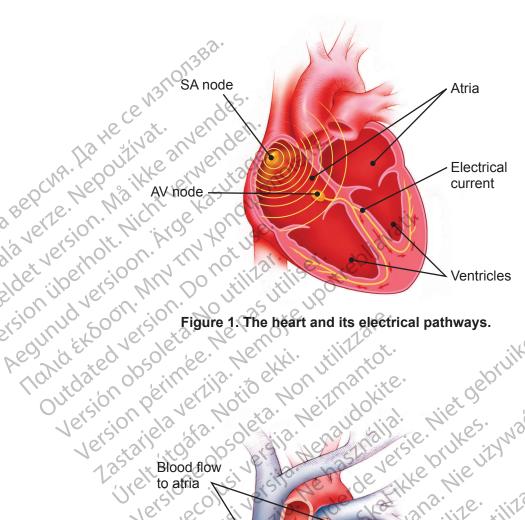
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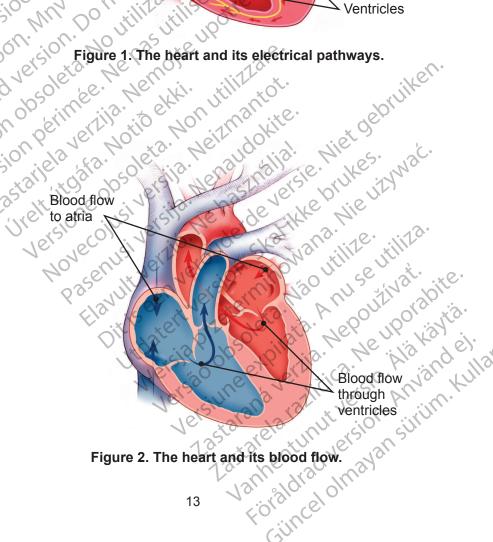
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Your heart's natural pacemaker

Your heart works as both a mechanical pump and an electrical organ. It is able to beat because it produces electrical signals. These signals travel "electrical pathways of "the muse" Regunid Versioon

Mania Ex 8001. Outdatedvex Normally these signals come from a small area in your heart called the sinoatrial (SA) node is located in the your heart called the sinoatrial (SA) node. This area When the SA node signals the two upper chambers of the heart (the atria) the two is located in the upper right chamber, or right atrium. of the heart (the atria), they contract at the same time. The atrial contraction fills the two lower chambers (the ventricles) with blood (Figure 2). As the electrical signal travels through the ventricles, it causes them you feel as a heartbeat. After a brief rest, the cycle begins again. to contract, which pumps blood out to your body. The Foraldrad version. Anvandel Citized alwayan silving Kulla



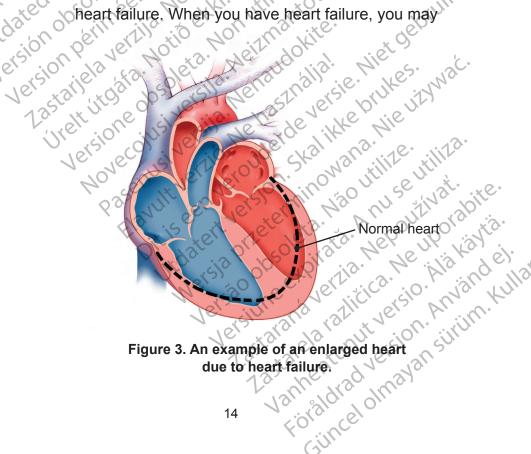


from a heart attack. The heart can also be weakened from prolonged periods of pumping against high pressure in the arteries.

Over time. the from prolonged periods of pumping against high blood

Over time, the heart muscle weakens and becomes enlarged (Figure 3). The ventricles are unable to contract with the same strength or before. As a result over time, the heart muscle weakens and become larged (Figure 3). The ventricles are unable to contract with the same strength or coordination before. As a result, the flow of block the body is poor. This failure of the heart to the body. with the Letore. As a result the body is poor.
This failure the

This failure of the heart to pump efficiently and meet the body's need for blood and oxygen is known heart failure. When you haveυουγ's need for blood and oxygen is known as heart failure. When you have heart failure, you may



feel short of breath, tired, or light-headed, or you may faint? Medications are often used to treat heart

y system to help the heart efficiently again.

Heart failure, arrhythmias, and your device

People with heart failure may also experience abnormal, irregular heartbeats calle

An arrhythmia occurre
in the heart People with heart failure may also experience abnormal, irregular heartbeats called arrhythmias.

An arrhythmia occurs when something goes wrong in the heart's electrical system of the continues, it may be a system of the continues. your deving your deving a special continues, it may prevent the heart of enough blood through. enough blood throughout your body.

What your devi Tonid EK 600M.

What your device does Your device is designed to monitor and treat certain rhythm problems and greatly rod risks associated with them

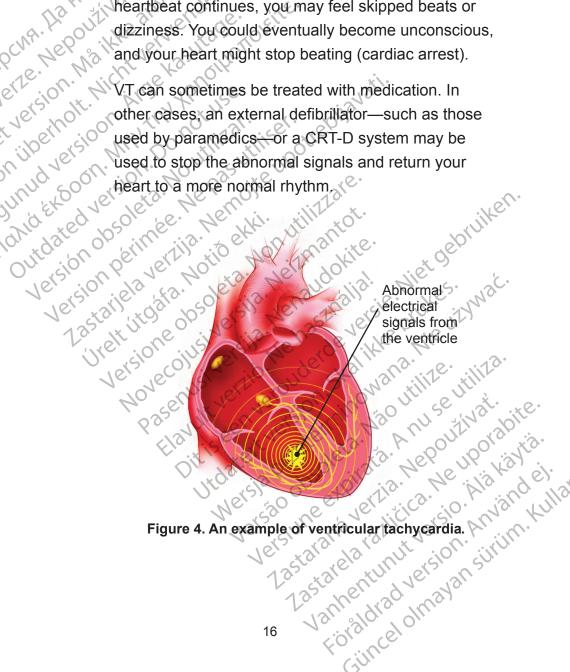
Several types of arrhythmias are described in the following paragraphs. Ask your doctor which of One type of arrhythmia you may experience is ventricular tachycardia (VT). With this type of arrhythmia, your heart's electrical these arrhythmias you may experience, and

wentricular tachycardia (VT). With this type of arrhythmia, your heart's electrical signals man Citize of almayan silving. Kullar arrhythmia, your heart's electrical signals may

ine heart normally and causes a fast, sometimes irregular heartbeat. As your heart beats faster, it pumps less blood to your body. If this rapid heartbeat continues, you may feel skipped beats dizziness. You could eventually heart and your heart come from one of the ventricles instead of the SA not and causes a fast, gular heartbeat. As your heart beats less blood to your body. If this rapid heartbeat continues, you may feel skipped beats or dizziness. You could eventually become unconscious and your heart might stop beating for dizziness. You could eventually become unconscious,

VT can sometimes be treated with medication. In other cases, an external defibrillator—such as "used by paramedics—or a CPT" used to stop the unconsciou can peating (cardiac arrest).

can sometimes be treated with medication. In other cases, an external defibrillator—such as those used by paramedics—or a CRT-D system may be used to stop the abnormal signals of heart to a more norm. external defibrillator—such as those used by paramedics—or a CRT-D system may be used to stop the abnormal signals and return your heart to a more normal rhythm.

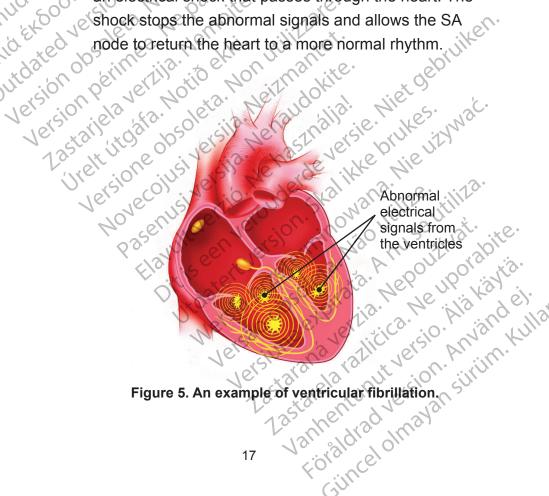


with this arrhythmia, irregular electrical signals come from several spots in the ventricles (Figure 5).

This causes a rapid heart rate. In some cases, the heart will beat more than 300 beats.

When you even

When you experience VF, very little blood is pumped from your heart to the rest of your body. When vour heart is in VF, you will become upon quickly. Like ventrice riner you experience VF, very little blood is pumpe from your heart to the rest of your body. When your heart is in VF, you will become unconscious very quickly. Like ventricular tachycardia treated with a defibriller an electric quickly. Like ventricular tachycardia, VF can be treated with a defibrillator. The defibrillator an electrical shock that passon shock stops the abnormal signals and allows the SA node to return the heart to a more normal rhuth Mania Ex 600M. an electrical shock that passes through the heart. The



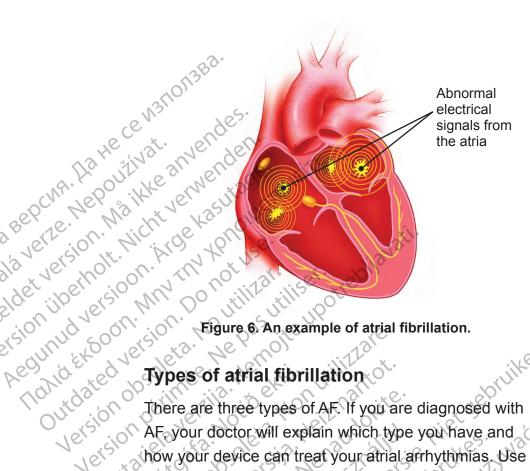
If an episode of VT or VF continues without medical treatment, your heart cannot supply enough oxygencarrying blood to your brain and body tissues. Without d BepchA. Ha Hece oxygen, your brain and body tissues cannot function normally, which could be fatal.

Atrial fibrillation

Atrial fibrillation

you have nave AF, your heart has lost atrioventricular (A) synchrony. Instead of normal electrical conduction, signals start irregularly from several sites in the of This causes the atria to quiver rapidly irregular rhythm. the Atrial fibrillation (AF) is a common arrhythmia. When you have AF, your heart has lost atrioventricular (AV) causes the atria to quiver rapidly. While in this irregular rhythm, the atria cannot work together with the ventricles to effectively pump blood through your body. During AF, your atribet between 200 signals start irregularly from several sites in the atria. Monid Ex 600M. your body. During AF, your atrial rate increases to between 200 and 600 beats per minute. Do ventricles, your resulting heart rate is irregular (Figure 6). (Figure 6)

AF is not usually an immediately life-threatening arrhythmia. However, it can affect your health in many ways. You may experience palpitations (sudden fluttering, racing, or skipped heartbeats), chest pain, dizziness, fatigue, or shortness of breath. You could have AF may also have an increased risk of stroke. It is important that you talk with your deeter of Citized almayan sirin Kulla Loraldrad version symptoms associated with this arrhythmia.



There are three types of AF. If you are diagnosed with AF, your doctor will explain which type you have and how your device can treat your arrists. how your device can treat your atrial arrhythmias. Use down important information about your AF.

Paroxysmal AF.

With paroxysmal AF, your heart rhythm is normal

..., your heart rhythm is normal most of the time. When episodes of AF develop, they end on their own without treatment, although they can reoccur. Agurantinuit versio Harringhia. Foraldrad version. Användiel. Citize of almayan silving. Kulla Lastarelarazlicica.

arrnythmia, episodes of AF are medication. For many patients, extern cardioversion (restories) with a low- to moderate-energy of may be used to of and will not end on the summary patients, external electrical cardioversion (restoring a fast heart rate to normal with a low- to moderate-energy electrical shock) may be used to stop the abnormal of the heart to a more positive. with a low- to moderate-energy electrical shock)
may be used to stop the abnormal signals and return
the heart to a more normal rhythm. A CRT-D with
atrial therapy can also provide there
a normal heart rhythm.

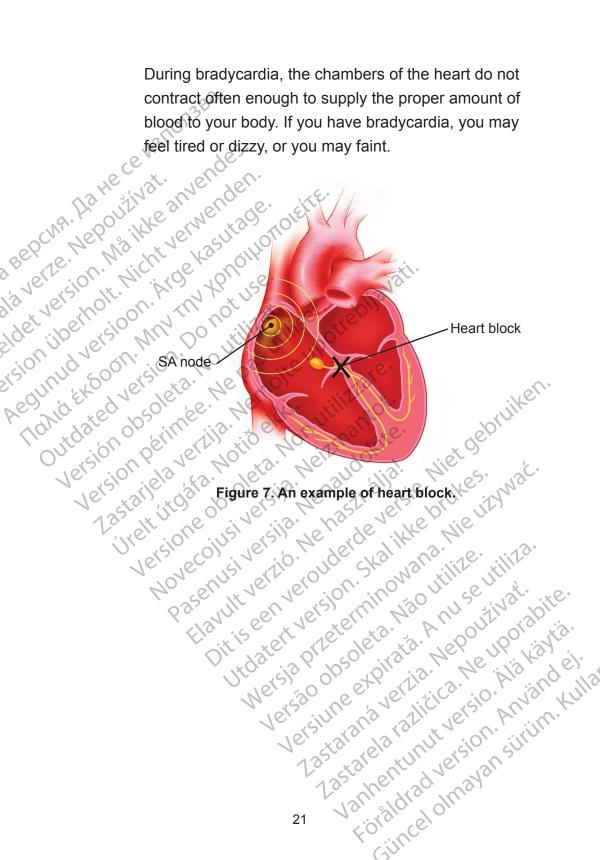
Aegunud versioor Permanent AF Mania Ex 600M. With this type of arrhythmia, your heart is always in AF. Unlike paroxysmal always in AF. Unlike paroxysmal or persistent AF permanent AF will not end on its own nor will it respond to cardioversion.

Bradycardia

Sometimes the heart beats too slowly. This can respond to cardioversion.

be caused by the SA node not working properly ventricles. The natural pacemaker signals sent out by the SA node could be delayed or management the ventricles. or by a condition called heart block (Figure 7) Foraldrad version Anviandel Citized alwayan silvim. Kulla out by the SA node could be delayed or may not reach the ventricles.

During bradycardia, the chambers of the heart do not contract often enough to supply the proper amount of blood to your body. If you have bradycardia, you may



Sudden cardiac arrest

If you have had a heart attack, you may also be at risk for sudden cardiac arrest (SCA). Sudden cardiac arrest occurs when the hor fast and irregularly a signals. Aegunud Versioor the body. Because the heart does not pump enough blood throughout the body, most people tend to consciousness sudday. Mand Ex 800n. blood throughout the body, most people tend to lose consciousness suddenly. If SCA is not treated lead to sudden cardiac lead to sudden cardiac death (SCD). The only way to stop this type of arrhythmia is to deliver an electrical Zió. Ne hasz Skalikke bri shock with a defibrillator.

Risk factors

Most people do not have obvious symptoms of SCA,

Risk factors

so it is important to be aware of possible risk factors:

• Previous heart attack

- Impaired pumping function of the heart muscle
 Rapid, abnormal heart rhythmathe ventricles Rapid, abnormal heart rhythms coming from the ventricles

 • A family history Citize of almayan sirin Kulla Föråldrad versjon A family history of SCA or SCD

Early identification of your SCA risk is the key to prevention. If you are at risk, it is important to talk

Your doctor may perform one or more of the following tests to assess your risk for SCA.

Echocardiogram: An echothat mean. that measures we ejection assess your risk for SCA.

Echocardiogram: An echocardiogram is a test that measures your heart's ejection fraction
ejection fraction determines volume function. During this An echocardiogram is a test
mat measures your heart's ejection fraction. The
ejection fraction determines your heart's pumping
function. During this test, ultrasound waves are
to provide a moving image of un
the results of the the results of this test, your doctor will determine if further testing is needed.

Holter monit function. During this test, ultrasound waves are used Mayia Ex 8000. further testing is needed.

Holter monitor to provide a moving image of your heart. Based upon

monitor records your heart's electrical activity, including any arrhythmics. monitor that is worn for an extended period. The including any arrhythmias you experience. Your doctor analyzes the recording to determine if you experience any abnormal rhythms.

> Electrophysiology (EP) testing: An EP test identifies and measures the type of electrical signals in your heart. During this test, your doctor will insert catheters (thin, flexible tubes or wiros) into Your doctor can also use the catheters to stimulate your heart to see if you could develon an arrival and a second second second develors. Jour doctor can also use the catheters to stimulate your heart to see if you could develop an arrhythmia.

In your heart rhyth determine how implanted device wou rhythm. Your doctor can the list best for your condition. and identify its origins. It determine how well certain medications or an implanted device would work to treat your heart rhythm. Your doctor can then decide what treatment is best for your condition. This test can help your doctor recognize if you have TIONIO EKSOON. MAY TRAY APROPRIO POPER

Jersione obsoleta. Non Utilizzare.

Move Cojusi versija. Neizmantot.

Pasenusi versija. Nenaudokite.

Elavult verzió. Ne haszhália!

Utdatert versjon. Skalikke brukes.

Versão obsoleta. Vão utilize.

Juaren Verzionino Mara Mie lizywać.

Jersinne expirata. Anuse utiliza.

Lastarana vertia. Nepouthvait.

Janhentunut versio Hia kaytia. Foraldrad version. Anvandel. Citized alwayan silvim. Kulla

outdated version. Do not use.

Versión obsoleta. No utilizar.

Version Périmée. Ne pas viiliser.

Trell totala. Notio akki.

Your CRT-D system

Your CRT-D system is designed to monitor and treat your heart arrhythmias. The system consider of a pulse generator (also called a is typically implanted which treat your heart arrhythmias. The system consists of a pulse generator (also called a device), which is typically implanted in your cheef which are implanted in to the decided and the decide a pulse generator (also called a device), which is typically implanted in your chest, and three leads, which are implanted in your heart and connected to the device. which are implicated to the device. Nonutilizza

The device.

The device. Version obsol The device

The device

The device contains a small computer. It runs on a battery that is safely sealed within its case. The delivers electrical energy (as programmed by your physician) to your heart when it senses an arrhythmia. of therapies, see "How therapy feels" on page 35.

As the device monitors The device can act as a pacemaker, cardioverter, or

doctor can review this information using a special computer called a programmer. The program communicates with the Jour heart. Your

Jour heart. body (see "Follow-up visits" on page 39). With the programmer, your doctor can better evaluate the

an insulated wire implanted in your a connected to the device. The lead carries heart signal to the device. It then carries energ from the device back to the heart to coordinate your heart rhythm. A lead is an insulated wire implanted in your heart and connected to the device. The lead carries the heart signal to the device. It then contains the from the device back to your heart. and connected to the device. The lead carries the heart signal to the device. It then carries energy from the device back to the heart to coordinate your heart rhythm. Jersione obsoleta. Non utilizzare.

Move Cojlisi versijā. Nei Imantot.

Pasenusi Versija. Nenaudokite.

Elavult verzió. Ne haszhália!

Javun Verling ind Zundnydie Niet gebruiken.

Dit is een veronderde chritisie. Niet gebruiken.

Utdatert versjon. Skalikke brukes.

Versão obsoleta. Não utilize.

Mersia przeterninowana. Nie używać.

Jersinne expirata. Anuse utiliza.

Lastarana verzia. Nepoutivat.

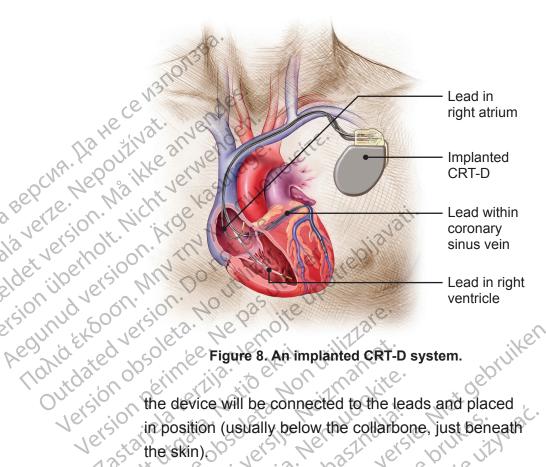
Janhentunut versio. Hia kayta. Foraldrad version. Anviandel. Citaral almayan silvim. Kulla

Implanting your CRT-D system

A CRT-D system is implanted during a surgical procedure. To keep you as comfortable as possyou will be sedated for this surger procedure, your desired. procedure. To keep you as comfortable as possible, Aegunud versioon collarbone. The doctor will then pass these leads through the vein into your heart (one in the atrium and the other). Mania Ex 800n. the tips of the leads the tips of the leads will rest directly against your heart's inner wall. A third lead will be heart's inner wall. A third lead will also be inserted into a vein near your collarbone, and placed within a coronary vein, which lies on the outside surface of your heart's left ventricle (Figure 8).

> In some cases, a patient may need to have the third lead placed on the heart's surface through an incision on the side of the chest instead of through a vein. After the leads are positioned, they will be tested to make sure they clearly sense your heart significant can adequately page.

make sure they clearly sense your heart signal and can adequately pace your heart. After this feet. can adequately pace your heart. After this testing, est,



in position (usually below the collarbone, just beneath the skin)

Your doctor will then test your CRT-D system. During this test, your doctor will start an arrhythmia in your heart. The device will recognize the rhythm and give

After your doctor has finished testing your system, the incision will be closed. You may experi-You may experience some discomfort from the incision as you recover from the surgery. You should be able to return to normal activities soon after the procedure. Citize of almayan silving. Kulla

very often, there are risks associated with the implantation of a device or lead. You should 'with your doctor about these ric' listed below. mulle complications do not happe or otten, there are risks associated with the implantation of a device or lead. You should talk with your doctor about these risks, including those listed below.

Some of the risks encount understand that, while complications do not happen Some of the risks encountered during the implant procedure include, but are not limited to, the following the implant.

Bleeding niciuding those

Julie of the risks encountered during the implant procedure include, but are not limited to, the following:

Bleeding

Formation of a blood of the risks encountered during the implant procedure include, but are not limited to, the following:

Dame

Bleeding 12 Formula 12 Part of Part of

- Formation of a blood clot

 Damage to adjacen

 muscles Damage to adjacent structures (tendons, muscles, nerves)

 Puncture of a lung or Damage to the heart (perforation or tissue damage)

 Dangerous arrhythmias

 Kidney failure

 leart attack

 troke

 eath

 - Jamage to adjac muscles, nerves)

 Puncture of control o tissue damage)

 • Danger Dangerous arrhythmias

 Kidnev fell

atack
stroke

• Death

Some of the risks encountered after the system is implanted may include, but are not limited to ne following:

• You may develop an infection.

- The lead(s) may move out of place in the heart.

 The electrodes on the lead or the pacino may cause an irritation or damage and nerves out of place in the hea

 corrodes on the lead or the pacing pulse
 may cause an irritation or damaging effect on
 the surrounding tissues, including heart tissue
 and nerves.

 The device may move from the
 implant site.

 You may
- The device in implant site.

 You may an in the device in the implant site. The device might be prevented from shocking or pacing due to electromagnetic interference (see "Important safety information" on pac The device might be prevented from shocking or pacing due to electromagnetic interference (see "Important safety information" on page 43).

 You may receive a shock or pacing when it is not needed. Mand Ex Soon. Why You may receive a shock or pacing therapy when it is not needed (unnecessary there).

 The device might when it is not needed (unnecessary therapy).

 The device might not be able to detail appropriately treature.

 - appropriately treat your heart rhythms.

 The device may exhibit The device may exhibit malfunctions that may result in lost or compromised abilities.

 There is a support of the compromised abilities. therapy. See "How reliable is this device?" on page 3. page 3.

Be sure to talk with your doctor so that you thoroughly understand all of the risks and for the Vanhentunut versio. Ala kaytia. Foraldrad version. Anyandel Lastarana verzia. Citized alwayan silving. Kulla Lastarela različica. with the implantation of this system.

After your implant

As you recover from your implant surgery, you will find that your device may allow you to return to an active lifestyle. It is important that actively involved in the doctor's industrial active. find that your device may allow you to return to an active lifestyle. It is important that you become actively involved in your recovery by following doctor's instructions, including: active lifestyle. It is important that you become actively involved in your recovery by following your doctor's instructions, including:

Report any reductions. doctor's instructions, including:

Report any redections.

- eport any redness, from your incisions.

 Avoid lifting by your Jersion obsoleta
 - Avoid lifting heavy objects as instructed by
 - Lastarijelai Walk, exercise, and bathe according to your doctor's instructions. doctor's instructions.

 Do not
 - Do not wear tight clothing that could irritate the skin over your device.
 - Contact your doctor if you develop a fever that
 - Ask your doctor any questions you may have about your device, heart rhythm, or medication.
 Avoid rubbing your doctor. • Avoid rubbing your device or the surrounding chest area. Citized almayan sirin. Kulla
 - Fioraldrad Version.

- If directed by your doctor, limit arm movements
- Tell your other doctors, dentists, and emergency
- Avoid rough contact that could result in blows to your implant site.

 Tell your other doctors, dentists personnel that you have.

 Contact rell your other doctors, dentists, and emergen personnel that you have an implanted device.

 • Contact your doctor if you notice anything unusual or unexpected, such as or symptoms like the or before you rec contact your doctor if you notice anything unusual or unexpected, such as new symptoms like the ones you expressed before you received your doctor of the contact your doctor if you notice anything unusual or unexpected, such as new symptoms like the ones you expressed before you received your doctor if you notice anything unusual or unexpected, such as new symptoms like the ones you expressed before you received your doctor if you notice anything unusual or unexpected, such as new symptoms like the ones you expressed before you received your doctor. unusual or unexpected, such as new symptoms

your doctor if you notice anything unusual or unexpected, such as new symptor or symptoms like the ones you experienced before you received your device.

Medications

Your doctor if you notice anything unusual or unexpected, such as new symptor or symptoms like the ones you experienced before you received your device. Medications

Your device

Tollid Executive comme Your device is designed to help treat your heart condition. However, you may need to continuately taking certain medications. taking certain medications as well. It is important that you follow your doctor's instructions any medications any medications. that you follow your doctor's instructions regarding

Activities and exercise

Your doctor will help you decide what level of activity Activities and exercise is best for you. He or she can help answer your questions about lifestyle changes, travel, exercise work, hobbies, and sexual intimacy

Have your doctor or nurse complete the "Your CRT-D system information" form at the front of the before your critical and the system in the front of the system in the front of the system in the syste system information" form at the front of this handbook before you go home from the hospital.

Living with your CRT-D

It is important to follow your doctor's instructions and keep your scheduled follow-up appointments. You should also do the following:

• Ask your --Ask your doctor if you have any questions about or notice anything unusual with your device.

Take the medications present instructed by the Take the medications prescribed for instructed by your doctor.

• Carry ve Redining relations Tohio Ex 600M.M

- rake the medications presinstructed by your doctor.

 Carry your medications
 Carry your medications • Carry your medication list with you at all times.
 • Tell your family doctor, dentist Tell your family doctor, dentist, and emergency

Urelt Ut Preparing for CRT-D shock therapy

While the device's monitoring of your heart won't an arrhythmia may be very noticeable. It is important that you know what to expect

Before you experience symptoms or receive a shock, discuss with your doctor or nurse a plant. Citucal Olmayan your doctor and, if necessary, emergency personnel. Use the forms in this handbook to write down

important telephone numbers and information about your current medications. It might be helpful to keep

If you have symptoms of a fast heart rate, it is likely that your device will deliver therapy within a few seconds. Try to remain calm, and so or lie down. The seed your phone.

you have symptoms of a fast heart rate, it is like that your device will deliver therapy within a few seconds. Try to remain calm, and find a place for lie down. The sensation from reshould only last a more will deliver therapy within a few seconds. Try to remain calm, and find a place to sor lie down. The sensation from receiving therapy should only last a moment.

It is possible, however, the additional means It is possible, however additional me

additional medical attention. Be sure to talk with your doctor about what you should do, and the following suggestions: your doctor about what you should do, and consider

- Jur doctor about what you the following suggestions:

 1. If possible, have to need to Juggestions:

 1. If possible, have someone who is prepared to perform cardiopulmonary resuscitation (CPR)—should you not through through the event.
 - Make sure a friend or family member knows to phone your local emergence room. you remain unconscious.
 - 3. If you are conscious but do not feel well after
 - 4. If you feel fine after a shock and no more symptoms appear, it may not be seek medical. your doctor's instructions for when to call his or her office. For example, if a shock occurs at night, your doctor may tell you to call him or her the next

at the doctor's office will as estions such as:

What were you doing right before the shock?

What symptoms did you notice before the shock?

At what time morning. Someone at the doctor's office will ask

- At what time did the short

 How did ve Justine did you notice be snock?

 • At what time did the shock occur?

 • How did you feel right after the arrhythmia but on the arrhythmia but not receive therapy. This depend on the programmed settings of your device. For example, an arrhythmia may cause symptomit may not be fast enough for therapy. In any 5. It is possible that you could feel symptoms of an example, an arrhythmia may cause symptoms, but it may not be fast enough for your device to delitherapy. In any case, if your symmother continue for more continue for more continue for more case. Aegunud versioon. therapy. In any case, if your symptoms are severe or continue for more than a minute or so your should seek immediate אריים און דיים אינור אי should seek immediate medical attention.

 How therapy feels

How therapy feels

Your device is designed to always monitor your heart rhythm. If it senses an arrhythmia, it will deliver therapy to your heart, Remember that your doctor has programmed your device to meet your individual needs. The type of therapy you receive and when you receive it is based upon those programmed settings.

fast but regular, your device can deliver a series of small, rapid pacing pulses to interrunt the analysm and return your bases. small, rapid pacing pulses to interrupt the arrhythmia and return your heart to its normal rhythm. and return your heart to its normal rhythm. You may

not feel the pacing therapy, or you may have a feeling of fluttering in your chest. Most patients who receive

Cardioversion: If your arrhythmia is very fast but regular your device can deliver a low- to modern energy shock to stop the arrhythmia your heart to its now Jumia is very fast but sovice can deliver a low- to moderate suergy shock to stop the arrhythmia and return your heart to its normal rhythm. Many patients say cardioversion is mildly uncomfortable, like a thumber the chest. This sensation will only low beginning the chest. This sensation will only low beginning the chest. regular, your device can deliver a low- to moderatecardioversion is mildly uncomfortable, like a thump on the chest. This sensation will only last for a moment.

ersion liberholt. Ni

Tolid Ex 800 n.

Aegunud versioor Defibrillation: If your arrhythmia is very irregular and a nigh-energy shock to a result, many patients a shortly after a very fast VT or VF rhythm begins. As a result, many patients do not feel these high shocks. Some describe stop the arrhythmia and return your heart to its normal shocks. Some describe the sudden but brief shock as a "kick in the chest." This sensation moment. While many find the shock reassuring, other patients may be upset for a short time after the shock is delivered

> Cardiac resynchronization therapy (CRT): To help treat heart failure, your device monitors your The electrical signals used for heart failure therapy are very low energy. Patients do not twoice!" Foraldrad version. Anvandel Citized of Mayan silving Kulla Lastarelara Vanhentunut V this type of therapy.

Bradycardia pacing: If your heart signals are too your heart. It sends

your heart. It sends

your upper and/or lower chambers, tellir

them to contract more frequently to meet your bod

needs. This can help maintain your heart rate until

your body's natural pacemaker is able to take or

Patients do not typically feel the

used to pace the ...wer chambers, telling
...more frequently to meet your body's
...eds. This can help maintain your heart rate until
your body's natural pacemaker is able to take control.
Patients do not typically feel the electrical pulses
used to pace the heart.

Special considerations

Your doctor might ask we the risk of unce rour doctor might ask you to avoid activities whe the risk of unconsciousness could endanger you or others. These activities might include driving swimming or boating alone. you to avoid activities when you to avoid activities when you or others. These activities might include driving, swimming or boating alone, or climbing a local driving. These activities might include driving, swimming or boating alone, or climbing a ladder.

Driving Your doctor might ask you to avoid activities where

arrhythmia are often the deciding factors in whether you will be allowed to drive. Your doctor will advise you about what is best for your safety and the safety of others.

of others.

Sexual intimacy

For most patients, sexual intimacy is not a medical risk. The natural heart rate increase that occurs during sex is the same as the heart rate increase when you exercise. Exercise testing at the heart doctor process. exercise. Exercise testing at the hospital will help your doctor program your device settings so vouchaget a shock during of get a shock during sex. If you receive a shock during Citince oly

sex, your partner may feel a tingling sensation. The shock is not harmful to your partner. Be sure to let your doctor know if you receive a shock during sex so he or she can consider reprogramming your device.

When to call your doctor

Your doctor will provide and should contact in doctor. Your doctor will provide guidelines for when you should contact him or her. In general, phone wo doctor if you:

• Receive wur doctor

our doctor will provide guidelines for when you should contact him or her. In general, phone your doctor if you:

Receive any arrhythmia device and have Receive any arrhythmia therapy from your device and have been instructed to call.

Have symptoms of an above and have been instructed to call. Aedinud versioon.

- Outdated version
- nave symptoms of an abnormal and have been instructed to call.

 Notice any swelling, reductions • Notice any swelling, redness, or drainage from your incisions.

 • Develop a fever that determined three decorates and properties. Develop a fever that does not go away in two or three days.

 • Have great: three days.

 Have
 - or medications.
 - Plan to travel or move away. Work with your doctor to develop a follow-up plan while you are
 - Hear any beeping sounds from your device. This indicates that your device needs to be checked immediately. See "West of the checked immediately."

 | The content of the checked immediately see "West of • Notice anything unusual or unexpected, such as new symptoms or symptoms like the ones worth had before you received your
 - Cincal ollughay ev, Föråldra

Remember that your device is designed to monitor and treat your life-threatening arrhythmias. It can be a great source of reassurance for you and your friends

and family. Follow-up visits
Your doctor will is impossible to the control of Your doctor will schedule regular follow-up visits. It is important that you attend these visits, even if we are feeling well. Your device has me features; follow-up visit your doctor. will schedule regular follow-up visits. It is important that you attend these visits, even if you are feeling well. Your device has many programmable features; follow-up visits will help your doctor programyour device to best meet your individ a rollow-up visits. It you attend these visits, even if you neeling well. Your device has many programmable features; follow-up visits will help your doctor program your device to best meet your individual needs.

During your visit, the doctor or programmer to

programmer to check your device. The programmer is a special external computer that can computer with your device in two Tonia Ex 800M. is a special external computer that can communicate with your device in two ways.

1. By using radio

- 1. By using radio frequency (RF) telemetry communication, if you have an DE communication, if you have an RF-enabled device.
 - By using wanded telemetry communication. In this case, the doctor or nurse will place a wand over your skin near your device.

A typical follow-up visit takes about 20 minutes. They will review your device's memory to evaluate its performance since your last visit and at any arrhythmia its performance since your last visit and check for any arrhythmia episodes you may have had. If Citize of almayan sirin Kulla necessary, they will adjust your device's programmed settings. They will also check the battery to see how

What you should know about your device's battery

A battery, safely sealed the energy nat you shoul device's battery

A battery, safety

the energy sealed inside your device, provides

are energy needed to monitor your heart rhythm, pac
your heart, or deliver electrical therapy. Just like any
other type of battery, the battery in your device will be
used up over time. Since the battery
sealed within your device
its energy neart rhythm, pa conver electrical therapy. Just like any owner type of battery, the battery in your device will be used up over time. Since the battery is permanently sealed within your device, it cannot be replaced its energy is depleted. Instead the energy needed to monitor your heart rhythm, pace other type of battery, the battery in your device will be on page 41). How long your device's hatten depends upon the setting. sealed within your device, it cannot be replaced when Tonia Ex 6001. on page 41). How long your device's battery lasts depends upon the settings your doctor proits energy is depleted. Instead, your entire device will and how much therapy you receive.

How will you know if your device's battery is running down?

Device batteries have very predictable behavior over time. Your device will regularly check its own battery. battery. When the battery's energy level decreases to a certain point, your device will need to be At every follow-up visit, the doctor or nurse will also

Your doctor can turn on a feature that will cause your device to beep when replacement time is "What should wevice to beep when replacement time is near. See "What should you do if your device starts to beep?" on page 41.

Replacing your system

Eventually, the energy in decrease to a not be replaced. Liventually, the energy in your device's battery will decrease to a point where your device will need to be replaced (see "What you should know about device's battery" on page 40). you should know about you should know about you should know about you should know about you gour device's battery levels and determine when to replace your device.

To replace your Mania Ex 800M. replace your device.

To replace your device's battery" on page 40). Your doctor will monitor

To replace your device, your doctor will surgically open the pocket of skin where your device is located.

He or she will disconnect your old device. He or she will disconnect your old device from your leads and then check to make sure properly with your new device

> In rare instances, your leads may not work properly with your new device, and your doctor may need to replace the leads. Your doctor will determine if your leads should be replaced.

will insert a new lead into a vein, similar to how the original lead was implanted. See "Implanting vour CRT-D system" on page 6 Cincal almayan silvim. Kulla original lead was implanted. See "Implanting your CRT-D system" on page 27.

After the testing is complete, the pocket of skin will be closed. You may experience some discomfort from the incision as you recover from the surger be able to return to proceed. Jur new syste

Jur ne system to properly.

The testing is complete, the pocket of skin will be closed. You may experience some discomfort from the incision as you recover from the surgery. You should be able to return to normal activities soon after the procedure.

Risks

Risks encountered during a device and/or lead replacement procedure are similar to the risks of the initial implant, such as infection, tissue dama and bleeding. See "Implant" the initial implant, such as infection, tissue damage, and bleeding. See "Implant risks" on page 20 are similar to the risks and bleeding. See "Implant risks" on page 29.

Be sure to talk with your doors.

Be sure to talk with your doctor about the potential risks when making decisions about replacing your system, Judicit version in the miner with the light water Jidatert versjon. Skalikke brukes. Dit is een verouderde versie.

Jersinne expirata. Anuse utiliza.

Lastarana vertia. Nepoutivat.

Zastarela razlicica. Ne li porabite.

Janhentunut versio. Hia kiaytia.

Foraldrad version. Anviandel. Citized alwayan silvim. Kulla

Versão obsoleta. Não utilize.

Important safety information

Your device has built-in features that protect it from interference produced by most electrical equipment. Most of the things we around on a daily by your device has built-in features that protect it from interference produced by most electrical equipment. Most of the things we have around on a daily by your device has built-in features that protect it from interference produced by most electrical equipment. equipment. Most of the things you handle or work around on a daily basis are not going to affect your device. However, your device strong electrons strong electromagnetic interference (EMI) and can be affected by certain sources of electromagnetic fields. Tolid Ex 6001. electromagnetic interference (EMI) and can be affected by certain sources of electric or magnetic fields.

If your employment requires you to be close to large industrial generators or sources of the control of the close to large. industrial generators or sources of radar you may
need special consideration becomes need special consideration before returning to work. If your work takes place in such an environment, please talk with your physician. talk with your physician.

Operating household appliances and tools

safe interaction with work, appliances, and activities.

Items that are safe under normal use:

Air purifiers Citized alwayan silving Kulla

- CD/DVD players

 Clothes washing machines and dryers

 Electric blankets

 Electric can opener

 Electric can opener

 Electric can opener electric blankets

 Electric can

 Electric can electric blankets

 Electric can openers

 Electric invisible for

 - re nhotrepliavati.
- ectric can openers

 Electric invisible fences

 Electric toothbrusher

 Fax/copy ectric invisible fenc

 Electric toothbrushes

 Fax/copy machine

 Hair dry ctric toothbrush.

 Fàx/copy machines

 Hair dryers

 Heating Heating pads Hot tubs/whirlpool baths

 NOTE: Consult with your with your medical conditions however. NOTE: Consult with your doctor before using a hot tu Your medical condition may not permit this activity; however, it will not harm your device.

 • Laser tag games NOTE: Consult with your doctor before using a hot tub.

 Your medical condition may not permit this call in however it will

 - Lastariela V
- Activity:

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 Act Alakayta. NOTE: PDAs that also function as cell phones should be kept at least 6 inches (15 cm) away from your device. See "Cellular phones" on page 48.

 Portable space heaters cincal almayan silvim Kulla rce. Portable space heaters and the state of the

- emote controls (TV, gara camera/video equipment)

 Stoves (electric or gas)

 Tanning be Remote controls (TV, garage door, stereo,
- John Janning beds
 Television
 To The Total Control of the Total Control o Televisions
 To reach the restrict of the restr TV or radio towe restricted areas)

 • Vacuum clee • Vacuum cleaners
 • VCRs TV or radio towers (safe outside of ie libojuspija vaj

Warnings and precautions

If you use any of the fall
that you outdated version If you use any of the following items, it is important from your device to avoid interaction. that you keep them the recommended distance away

Items that should not be placed directly over your Cordless (household) telephones

• Electric razors

• Hand-held massagers device, but are otherwise safe to use:

- Jour

 Jephones

 Jand-held massagers

 Portable MP3 and multimedia players (such as iPods™) that do not also function as a cellular phone (see "Cellular phones" on page ✓ Commark of Apple Inc. Portable MP3 and multimedia players (such as iPods™) that do not also function as a cellular phone (see "Cellular phones" on page 48)

 nark of Apple Inc.

 45 Citize al almayan sirin Kulla

iPod is a trademark of Apple Inc.

NOTE: While portable MP3 players themselves should not interfere with your device, the headphones or earbuds should be stored at least 6 inches (15 cm) away from your device, and you should avoid draping the headphones

Items that should remain at least 6 inches (15 cm) all all the sion in a like

- ems that should remain away from your device:

 Cellular phone

 MP3 pla Cellular phones, including PDAs and portable MP3 players with integrated cellular phones NOTE: For more information about cellular phones, see 'Cellular phones" on page 48.
 - Devices transmitting Bluetooth™ or Wi-Fi signals
 - neadphones and earbuds

 NOTE: It is safe to use headphones and earbuds, but you should refrain from draping them around your neck and from storing them in a breast or other shirt not places them within 6 inches (15) Outdated version

Items that should remain at least 12 inches (30 cm) away from your device: rest tools af blowers Remote controls with antennas ademark of Bluetooth Sir

- Citaral almavan siriim. Kulla

• Remote controls with antennas line in the line in th

- Shop tools (drills, table saws, etc.)

Slot machines Snow blow Stereo speakers Items that should remain at least 24 inches (60 cm) away from your device: Arc welders CB and ems that should remain at cm) away from your device: Arc welders CB and

Arc welders CB and CB and police radio antennas

Running motors and alterthose found in the NOTE: Running motors and alternators, especially those found in vehicles

NOTE: Avoid leaning over running motors are fields that can be recommended. nose found in vehicles

NOTE: Avoid leaning over running motors and alternators of a running vehicle. Alternators create large magnetic fields that can affect your device. However the required to drive or ride in a vehicle. or a running vehicle. Alternators create large magnetic fields that can affect your device. However, the distance required to drive or ride in a vehicle is safe.

Items that should not be and chairs and hie lizhwat. Items that should not be used:

- Body-fat measuring scales

 Jackhammers

a particular appliance, tool, or activity, please call Boston Scientific Patient Services at +1.651.582.4000. If you have questions about the EMI safety of a particular appliance, tool, or activity Vanhentunuit versio. Ala kayta. Foraldrad version. Anyandel Citingal almayan silvilm. Kulla Lastarela razlici

systems and security gates or course that include radio frequency identification (RFID) equipment (often found in store and library doorways, and in point-of-entry access control systems) should not cause you are these guidelines. בים radio frequency identification
(יין יין) equipment (often found in store and library
doorways, and in point-of-entry access control
systems) should not cause you any worry if you follow
these guidelines:

• Walk through theft deta ys, and in systems) should these guidelines: ersion liberholt. Nicht

- Do not lean against or linger near these systems.

 If you are near an electron or entry confront (exponent) Rednund Versioon. Ard or entry control system and suspect interaction (experience symptoms) with your device from one of these systems, promptly equipment nearby Outdated version! experience symptoms) with your device from one of these systems, promptly move away from equipment nearby and inform your doctor.

 Your Boston Scientific in

to set off the alarm from an electronic antitheft or nongerde, security system

Airport security

Your device contains metal parts that may set off airport security metal detector. airport security metal detector alarms. The security archway will not harm your device. Airport security wands could temporarily affect your device or turn it off if the wand is held it for a period of time (about

ייין security wands could temporarily affect your device or turn it off if the wand is held over it for a period of time (about 30 seconds) וויס it for a period of time (about 30 seconds). If possible, cincel olmay

ask to be hand-searched instead of being searched with a handheld wand. If a wand must be used, inform the security personnel that you have an the search quickly.

If you have it your your device and to perform search quickly.

If you have questions about airport security, call your doctor or Boston Scientific Patient Service at +1,651.582.4000. implanted device. Tell the security personnel not to you have questions about airport security, call your doctor or Boston Scientific Patient Services at +1.651.582.4000.

Cellular phones

Keen

Cellular phones

Keep your cellular cm) awa Regunid versioon your cellular phone at least 6 inches (15 cm) away from your device. Your cellular phone is a source of EMI and could affect your do operation. This intercon at least 6 inches (15 away from your device. Your cellular phone is a source of EMI and could affect your device's operation. This interaction is temporary of the phone away from the phone away from your device will return it to proper function. To reduce the characters of the cha operation. This interaction is temporary, and moving proper function. To reduce the chance of interaction, follow these precautions:

- Maintain a distance of at least 6 inches (15 cm)
 between the cellular phone and the phone transmits more than 3 watts, increase the distance to 12 inches (30 cm).

 - or on a harm Do not carry a cellular phone in a breast pocket or on a belt if that places the phone within 6 inches (15 cm) of your device. Citized almayan siriim. Kulla

apply Jud cordless phone directly over your device.

Dental and These precautions apply only to cellular phones, not to household cordless phones. However, you should avoid placing your household cordless phone receiver

Dental and medical procedures

Some medical procedures could d'
affect your device. Po Some medical procedures

Some medical procedures could damage or otherwise affect your device. Be sure to always tell your denties and physicians that you have an implement so that they can take the especially affect your device. Be sure to always tell your dentist and physicians that you have an implanted device so that they can take the necessary precautions respecially careful with the following Be sure to always tell your dentis and physicians that you have an implanted device so that they can take the necessary precautions. Be especially careful with the following procedures:

• Magnetic Resonance!

This is a different administration of the sure to always tell your dentis and the sure to always tell your dentis an anways tell your d

anat you have an implanted devi

anat they can take the necessary precautions
especially careful with the following procedures:

Magnetic Resonance Imagina (****
This is a diagnostic test)
electromagn

• Magnetic Resonance Imaging (MRI):

This is a diagnostic test that uses a electromagnetic field. Some systems have a system and a system as a system and a sys wagnetic Resonance Imaging (MRI):
This is a diagnostic test that uses a strong electromagnetic field. Some defibrillation systems have been evaluated a patient to undergo. (MRI):

Jectromagnetic field. Some defibrillation

systems have been evaluated to allow the patient to undergo MRI scans under specific conditions. Talk to your plant. conditions. Talk to your physician about the capabilities of your defibrillation system your system is not one patient to undergo MRI scans under specific your system is not one of those eligible to be scanned, or if the required conditions a met, MRI scans met, MRI scans can severely damage your device and should not be device and should not be performed. Hospitals keep MRI equipment in rooms marked with has confirmed that your defibrillation system is eligible and you meet the requirements. Do not have the requirements for the scan. signs that indicate magnets are inside. Do not nas confirmed that your defibrillation system is eligible and you meet the requirements for an MRI scan. Foraldrad version. Anvandel. Circal almayan silvim. Kulla

- **Diathermy:** This uses an electrical field to apply heat to tissues in the body and could damage your device or injure you. Diathermy should not be performed.
- ABEPCHA. IJAHECE N3TIC alá verze. Nepoužívat. **Electrocautery:** This is used during surgical alder version. Walkke at procedures to stop vessels from bleeding. It should be used only when your device is turned off. Talk with your heart doctor and the doctor performing the medical procedure to determine who turns off your device.
- ersion iiberholt. Nicht ve Aegunud versioon. Arg Electrolysis and Thermolysis: These are Trand Ex 8001. MMV dermatology or hair removal procedures that pass electrical current into the skin. Talk with your heart doctor before having any electrolysis
 - erremover current into your heart doctor before had or thermolysis treatment.

 External defibriller typically use Outdated version External defibrillation: This is a procedure, Version Périn typically used in medical emergencies, that irregular heart rate to a normal rhythm. External defibrillation can affect your device, but constill be performed if box Lastarjela still be performed if necessary. If you receive external defibrillation, be sure to according to the sure to according to your physician as soon as possible following the emergency to vorients: the emergency to verify that your device is functioning properly?
 - Lithotripsy: This is a medical procedure that is used to break up stones in the urinam (e.g., kidnew stone) is used to break up stones in the urinary tract (e.g., kidney stones). Lithotripsy can damage your device if certain precautions are not taken.

 Talk with your heart doctor as well as the performing the second secon ralk with your heart doctor as well as the doctor performing the procedure about what can be done to protect your device.

- Therapeutic radiation treatment for cancer: This procedure can affect your device and will
- Transcutaneous Electrical Nerve Stimulation
 (TENS) unit: This is a device prescribed by physicians or chiropractors for control of pain. A TENS unit can affect require special presentation. ranscutaneous Electrical Nerve Stimula
 (TENS) unit: This is a device prescribed by
 physicians or chiropractors for control of chropain. A TENS unit can affect your device require special precautions
 TENS unit, talk with ## Dental drills and al-

Aegunud versioon. Arg your device. Some examples include:

Dental drills and clean

- Jersion obsoleta Diagnostic X-rays

 - procedures

Diagnostic ultrasound

Mammogram

Noc NOTE: Mammograms will not interfere with your device. However, your device could be damaged if it gets compressed in the mammogram machine. Make sure the doctor or technician knows that you soleta. Não u have an implanted device

If you need to undergo any surgical procedures, tell your dentist and/or doctor that you have? your device to a unuergo any surgical procedures, tell your device. They can contact the physician who your device to find the best way to provide treatment.

questions about
al procedure, or piece
alk with your doctor or call Bound Services at +1.651.582.4000. If you have questions about a specific appliance, tool, medical procedure, or piece of equipment, please talk with your doctor or call Boston Scientific Patient Eksion ilberholt. Micht Verwenden. ALIGNIA VEI SIONII. WIN LLA XONOTIO TE LEE.

Jersione obsoleta. Non utilizzare.

Move Cojusi versijā. Neizmantot.

Pasenusi versija. Nenaudokite.

Elavult verzió. Ne haszhália!

Utdatert versjon. Skalikke brukes.

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Mersia przeterninowana. Nie używać.

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Outdated Version. Do hot itse.

Versión obsoleta. No utilizar.

Jersion Périmée. Ne pas villiser.

Trell tito ata. Notio akki.

Summary

It is natural for you to feel anxious or nervous about receiving a device. You have been identified by vous physician as having heart failure. as " significant risk of sudday that you Regunid versioon physician as having heart failure, as well as having a for you and your friends and family.

Talking with other CDT while Monid Ex 600M. that your device can be a great source of reassurance

Talking with other CRT-D patients is often helpfub while adjusting to your new device. Act nurse. or Root. while adjusting to your new device. Ask your doctor, nurse, or Boston Scientific representations a local CRT-D a local CRT-D patient support group in your area.

The information presented in this handbook is intended to help you understand more about your heart condition and your device. If you have questions or nurse. They are your best resource for information about your particular needs on situation Janhentunut versio Hakaytia. Foraldrad version. Anyandel. Lastarela različica. Ne u about your particular needs or situation. Lastarana verzia. Circal almayan silvim. Kulla

Contact information

Scientific
4100 Hamline Avenue North
St. Paul, Minnesota 55112-5798 USA

By Telephone:
Worldwide: +1.651,582 400

4100 Hamline Avenue North St. Paul, Minnesota 55112-5798 USA		
By Telephone: Worldwide: +1.651.582.4000		
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Notes and questions

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Boston Scientific Corporation 4100 Hamline Avenue North St. Paul, MN 55112-5798 USA



Guidant Europe NV/SA Boston Scientific

Green Square, Lambroekstraat 5D 1831 Diegem, Belgium

1.800.CARDIAC (227.3422) Worldwide: +1.651.582.4000

www.bostonscientific.com



Australian Sponsor Address Boston Scientific (Australia) Pty Ltd

PO Box 332 BOTANY NSW 1455 Australia Free Phone 1 800 676 133 Free Fax 1 800 836 666

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