

A Guide for Patients and Families For further information please talk to your Cardiologist.

WHY DO YOU NEED AN ICD?

Your doctor may recommend an ICD if you are at risk of having a life threatening fast heartbeat (ventricular arrhythmia). If the heart beats too fast it will not have enough time to fill with blood and pump the blood to the rest of the body, which can cause sudden cardiac death.

WHAT IS AN ICD?

An ICD is made up of 2 parts;

- A small generator (battery) that sits underneath your skin.
- Leads (electrodes) with a shock coil that sit inside your heart, connected to the generator. Your doctor will decide if you need 1 or 2 leads.

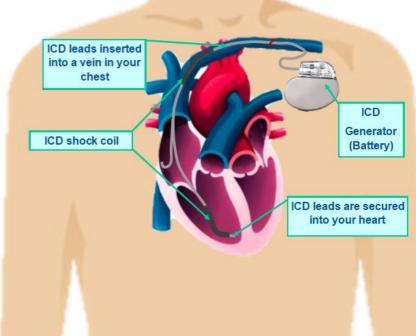
The ICD can detect and

it. It cannot be recharged.

correct abnormal heartbeats by delivering an electrical shock (defibrillation). Most ICDs also act as a pacemaker by sending electrical pulses to your heart if it beats too slow. Your ICD also monitors your heartbeat and stores this information which your doctor can use to adjust your ICD settings as needed. The ICD battery lasts between 6 to 8 years and is monitored by your doctor during regular follow up visits. When the battery low and is in need of replacement you will need a similar procedure to replace

HOW LONG WILL THE PROCEDURE TAKE

The whole procedure will take 1 -2 hours to complete.





Your doctor has recommended you for an Implantable Cardioverter Defibrillator (ICD) as they believe the benefits to you outweigh the risk of not going ahead with the procedure. There are risks and complications related to this procedure. They include but are not limited to the following.

Uncommon risks and complications (1-5%) include:

- Minor or Major bruising or swelling at the ICD puncture site.
- The ICD lead may move or the battery may fail. This may need to be replaced by repeating the procedure.
- Infection at the site of the ICD. This may need treatment with antibiotics or removal of the ICD leads.

Rare risks and complications (less than 1%) include:

- A higher lifetime risk of cancer from x-ray exposure.
- A hole accidentally made in the lung. This may need a tube to be placed into your lung to reinflate the lung.
- > Blood clot in the subclavian vein or lungs.
- A hole is accidentally made in the heart or heart valve. This may need emergency heart surgery to fix.
- Heart attack.
- A stroke, this can cause long term disability.
- Death as a result of this procedure is rare.

BEFORE YOUR PROCEDURE

- Do not eat anything 6 hours before your procedure, you may drink only clear fluids up until 2 hours before your procedure.
- If you take Metformin (Diabex[®], Diaformin[®]) stop taking 2 days before and 2 days after your procedure. If you take Empagliflozin (Glyxambi[®], Jardiamet[®], Jardiance[®]) or Dapagliflozin (Forxiga[®], Xigduo XR[®],

Qtern®) stop taking 3 days before.

- Your Cardiologist may stop your Rivaroxaban (Xarelto®) &
 Apixaban (Eliquis®) 2-3 days before the procedure.
- Please let us know if you are allergic to Iodine, contrast or any other medications.





- Ask any questions that you or your family may have and sign a form consenting to the procedure.
- Please arrange a friend or family member to take you home and stay with you for your first night at home. You cannot go home alone or in a taxi.
- You will be asked to change into a hospital gown. An ID band will be applied. Your procedure site (chest) clipped of any hair. The healthcare team will take your vital signs (blood pressure and pulse) and insert an IV (intravenous) line into a vein in your arm.
- You will be given antibiotics before your procedure. This is to help stop an infection.

DURING THE PROCEDURE

- A heart tracing (ECG) is placed on your chest, a blood pressure sleeve on your arm and you are monitored the whole time during the procedure.
- You will be given sedation and analgesia either by the anaesthetist or nurse to make you comfortable during the procedure. You may have an oxygen mask on your face. If you have a general anaesthetic, once you are asleep a breathing tube will be put into your trachea (wind pipe) and you will be connected to a ventilator (breathing machine) for the procedure. If you have sedation you will be able to breathe on your own but will be made sleepy and relaxed during the procedure. A nurse will be available to assist you if you have any concerns during your procedure.
- Your chest will be cleaned with antiseptic solution and covered with a drape.
- Local anaesthetic is injected to the area below your left or right collarbone. This will then become numb. Once the area is numb the doctor will make a small incision just under your collarbone.

The ICD lead is then placed in your heart by inserting the lead through a vein in your chest. This is done using x-rays.

Once the leads are in place they will be connected to the generator (battery). The generator is then placed just under the skin. Your incisions is then closed with stitches, these will dissolve and do not need to be removed. A dressing will be placed over the wound.





AFTER THE PROCEDURE

- After the procedure you will be taken back to the ward. You will need to stay in bed for a few hours afterwards to wake up from the sedation/anaesthetic. If you have pain please let your healthcare team know. You may eat and drink on return to the ward.
- You will need to stay overnight, have a chest x-ray and device check before you can go home.
- You should be moving the arm on the same side as the wound up to shoulder height to avoid stiffness. Do not raise this arm above shoulder height and avoid lifting anything weighing more than 5kg (10lbs) for 4 weeks, as this can cause the lead to move.
- You can use all household items, but should avoid those with magnets and strong electric fields. You may use a mobile phone on the opposite side to your implanted device.

WOUND SITE CARE

- If a dressing is applied the day after your procedure it should be left in place for 5 days and then removed. Keep the dressing dry.
- Do not apply any creams, lotions or powders to the wound site until fully healed.
- > Try not to rub, scratch or itch the site until fully healed.
- Avoid wearing clothing that will rub on the wound for 2-3 weeks. You may require additional padding between a seatbelt and your wound.
- If you are given a course of antibiotics it is important to complete the course to reduce the risk of infection.
- You may shower the day after your procedure. Do not take a bath or go swimming for 2 weeks after your procedure. After 2 weeks and once the dressing is removed do not scrub the wound site, lightly wash and pat dry.
- Notify your nurse or doctor if you notice any of the following:
 - A lump that is getting bigger or any swelling at the incision site or the arm on the side of the ICD
 - Constant redness or warmth
 - Worsening numbness or discomfort (mild discomfort is normal)
 - Yellow ooze/pus from the wound site
 - · Chills or fever



DRIVING ONCE YOU ARE HOME

- Do not drive for at least 4 weeks after your procedure. If you have had a heart attack or drive a commercial vehicle this may be longer and may need to be cleared by your Cardiologist.
- Your Cardiologist or the Roads and Maritime Service can provide more information.

SECURITY SYSTEMS AT THE AIRPORT AND YOUR DEVICE

The system may detect your device and set off the alarm. It will not affect the functioning of your device. Show your device ID card to the security personnel. Ask that they not use the handheld screening wand because it might affect your device.

WHAT IF YOU GET A 'SHOCK'

- If your device tries to stop an abnormal heartbeat by sending electrical impulses (antitachycardia pacing), this may feel like a flutter in the chest or nothing at all.
- If your ICD needs to give you a shock (defibrillate), this may feel like a strong kick in your chest, but this will be over very quickly.
- After your first device activation 'shock' please present yourself to the nearest emergency department to get yourself and the device checked. Please do not drive until you have been cleared by your Cardiologist.

FOLLOW UP

- Please see your local doctor in 3 days and make an appointment to see your Cardiologist in 4 weeks.
- An appointment may be made for you to follow up in a week at the cardiac diagnostics unit for a device and wound check. Please confirm appointment details with your healthcare team before leaving the hospital.

CARRY AN ID CARD

After your procedure you will receive a temporary paper ID card for your device, a permanent card will be mailed to you within 6 weeks. Please keep your device ID card on you at all times. You may need to show your card to your doctor, dentist or any other medical professionals before any treatment.



A free and confidential interpreter service is available 24 hours, 7 days a week, Ask staff to arrange an interpreter for you. AUSLAN is also available.

Carers provide care and unpaid assistance to others. They may be family members, friends or neighbours. Please notify staff if you have a carer.

All of our health facilities and grounds are 100% smoke free. For assistance to quit contact Quitline on 137 848 Off street parking is available on the hospital campus for a fee.

We welcome your feedback on this brochure as a way of continually improving our service. Send your feedback to: WSLHD-Get_Involved@health.nsw.gov.au