

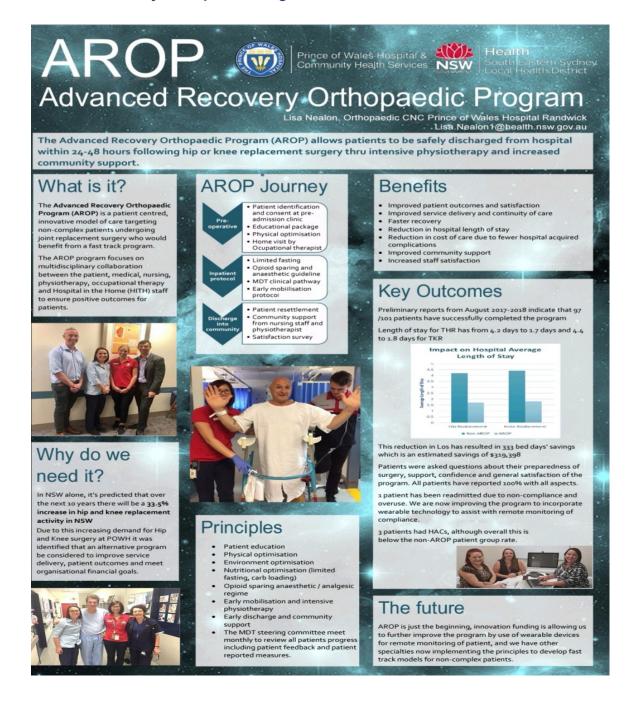
Joint Replacement Pathways Framework Appendix 2



Patient Resources

The patient resources form part of the Joint Replacement Pathways Framework. They are examples of current resources used in NSW that have been implemented in specific local circumstances. Each facility should tailor their own resources depending on best practice guidelines, local protocols, and staff preferences.

Advanced Recovery Orthopaedic Program Poster



Same Day Discharge Post Joint Replacement- Patient Journey

IN PRE ADMISSION

The patient is seen and assessed by multiple clinicians. PT, OT, Ortho CNC, APAC/HITH, PAC nurse, Anesthetics, JMO and Pharmacy.

ON THE DAY OF SURGERY

The patient is first on the list and returns to SSSU via PACU. No catheters, drips or drains. Early mobilisation is the focus.

IN SSSU

Patients belongings and something to eat and drink given to patient. The patient is then Seen by PT, OT, APS, CNC, surgical team and Pharmacy. IV Abs and TXA given as charted. May or may not have an Xray.

DISCHARGE

The patient can be discharged once the criteria is met.

The aim is to discharge

The aim is to discharge the patient by 6pm.

- Post op void, tolerated diet and fluids
- · Cleared by Physio and OT
- · Vital signs between flags, Neurovascular Obs satisfactory
- · No excessive wound exudate
- Pain management plan in place and effective- seen by APS
- · Discharge information and discharge summary given
- Orthopaedic outpatient clinic appointment made for 14 days post op OR patient knows to see GP in 14 days
- · TEDS applied to both legs
- Discharge medication given- patient able to explain med instructions to you
- APAC/HITH notified of discharge from SSSU-call via switch

RECOVERY AT HOME

APAC/HITH will call the patient the evening of their discharge, APAC/HITH will then visit daily for 7 days. The team will call the patient daily for 4 days. APS will call the patient the day after their discharge and then as required. Patient can contact the Bone Phone if concerned. APAC/HITH to call switch and ask to be put through to admitting orthopaedic team JMO to escalate concerns within hours.

Same Day Discharge Post Joint Replacement- Medication

ON ADMISSION

Loading dose of Celebrex is given to the patient on admission with a sip of water



IN SURGERY

Low dose spinal anaesthetic with either no or minimal opioids should be used. TIVA sedation/anaesthetic to reduce the risk of post operative nausea and vomiting. During surgery, both Tranexamic Acid and appropriate antibiotic prophylaxis should be given.

IN SSSU

- · Cephazolin 2g intravenously 4 hr post op
- . Tranexamic Acid 1g po 4 hr post op
- · Give PRN dose of Tapentadol IR for pain

DISCHARGE

Before the patient goes home, they should be able to explain their discharge medications to SSSU nursing staff



- Paracetamol 1g QID for 7 days (dispense 28 tablets)
- · Celecoxib 200mg BD for 4 days (dispense 8 tablets)
- Tapentadol SR 50mg BD, regularly for 2 days (dispense 4 tablets)
- Gabapentin 300mg nocte for first 2 nights (dispense 2 tablets)
- First Line Breakthrough PRN Palexia 50-100mg Q4hr (dispense 10 tablets total - regular and PRN)
- Second Line Breakthrough PRN Oxycodone 5-10mg po Q3hr (dispense 5 tablets)
- DVT Prophylaxis as per Orthopaedic team (usually aspirin)
- PRN Ondansetron 4mg wafer SL Q6hr (dispense 2 wafers)

Same Day Discharge Post Joint Replacement- Mobilising

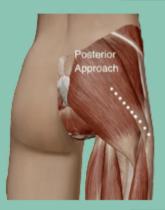
ANTERIOR APPROACH

You will notice an incision at the front of the hip.



PRECAUTIONS

 Do not extend the patients leg all the way back and turn their foot out at the same time



POSTERIOR APPROACH

You will notice an incision at the back of the hip and around to the buttock

PRECAUTIONS

- · Do not bend the patients hip joint past 90 degrees
- Do not let the patient cross the operated leg across the midline of their body- when rolling the patient, roll off the operated side with 1-2 pillows between legs
- . Do not let the patient twist the operated leg inwards



Escalation Plan

You are about to be discharged from hospital. What happens next?

- 1. You will be going home under the care of **Hospital in the Home (HITH)**. A HITH staff member will phone you the evening of your discharge and your will receive visits form the HITH team daily, starting on the day after discharge.
- You will be supplied with medication and pain management advice on discharge
 from the ward. A nurse will explain your discharge medications to you. Please
 make sure you follow all the instructions given and carefully read the labels on the
 packets.
- 3. You will receive a **call** from your orthopaedic team for the first 4 days after discharge to check on your progress.
- 4. You will have a **follow up** appointment at the RNSH Outpatient Clinic (or the surgeon's private rooms) 14 days after surgery. Your appointment details will be on your discharge summary.
- After you are discharged from the HITH Service you will have an appointment at the RNSH Physiotherapy Outpatient Clinic. Your appointment details will be on your discharge summary
- 6. Until your follow up appointment, you need to:
 - Keep wearing your compression stockings.
 - Continue on your medication as instructed to avoid deep vein thrombosis (clots) after surgery and manage your pain.
 - Complete self-directed **exercises** as prescribed by the physiotherapist.
 - Monitor for Constipation; if your bowels have not opened for two days, ensure to take over the counter medications to help soften your stool.
 - **Do not drive** until instructed (between 4 6 weeks post-op).
- 7. How do I look after my wound and dressing?
 - Do not remove the dressing. The APAC Nurse can review your dressing as needed.
 - You may shower, however please avoid soaking the dressing

 no baths or swimming
 - Your stitches are dissolvable. Your surgeon will inspect the wound when they see you and make sure it is healing well.

If your dressing peels off, becomes soiled or wet, contact the HITH service on

Things that are normal after

It is quite normal for your joint to be warm for weeks or months after a joint replacement

Swelling for weeks or months is normal too

A numb patch on the outside of the cut is also routine

Some bruising up or down your leg is reasonably common. This happens if some blood tracks under the skin to cause a bruise

It is also common for patients to experience a tough week or a period where they go backwards for a little while. As long as things get better again, that's ok.

Things to watch out for and who to contact

If you experience

- **Excess Pain**
- Excess Swelling (when fingers leave a dent in the lower part of
- Signs of infection like fever, pain, redness or fluid/puss leaking from the wound

Contact the Orthopaedic Team on

If you experience- chest pain, difficulty breathing or shortness of breath, fainting and any other medical emergency

Contact Emergency Services via 000

Feeling faint or dizzy?

It is common to feel faint or dizzy when you change positions after surgery. Things to consider:

For the first 24 hours after surgery, ensure your support person stands next to you when you change positions.

- Ensure you drink plenty of water, hydration is key.
- Change positions slowly to prevent fainting. Give yourself time between going from laying to sitting to standing.
- If you start to feel dizzy or faint- know that it is impossible to push though that feeling. Ensure you lay back down and wait for the symptoms to resolve before trying again.
- Remember, it is important to take it easy for the first night. Spend time lying down in-between mobilising.

If the dizziness or faint feeling persists- please contact the Orthopaedic Team on: OR if you are feeling unwell- call emergency services 000

RNSH- My Pain Management Plan

Strategies to help manage your pain-

• It is important to take your medications as prescribed.

Cold therapy

- Apply a covered ice pack to the operated area- ensure the ice doesn't directly touch the skin as this may cause ice burn.
- Ice therapy every hour for 20 minutes while you're awake in the day will be helpful.
- DO NOT apply heat packs at this stage of your recovery.

Distraction therapy

You can put your pain in the background and focus instead on playing games, watching a movie, reading a book, listening to music, counting, using breathing techniques, meditation and many other activities. One of the things that you can do to limit the amount of time you spend worrying about or being afraid of pain, is to use distraction.

Physiotherapy

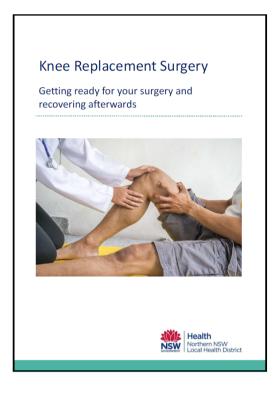
- Ensure you do your self-directed exercises, the stronger you are, the less pain you will have in the long term.
- Remember that **pain is a normal part of the healing** process and will get better with time. It is also normal to have good and bad days.

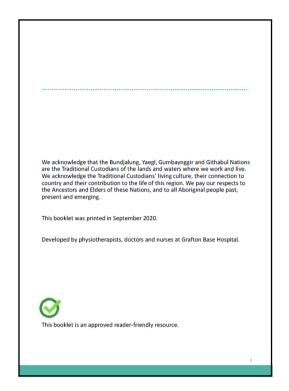
You can always **contact the orthopaedic team if you are having issues** managing your pain.

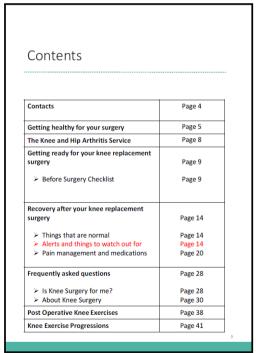
Medication	Photo	Instruction
Paracetamol		Take 2 tablets 4
500mg		times a day- for 7
	(PANAMAX)	days.
(Panadol)		8am
FOR PAIN		12pm
		6pm
		10pm
Celecoxib	9	Take 1 tablet twice a
200mg		day- for 4 days.
		8am
		8pm
FOR PAIN		

Gabapentin 300mg	G300	Take one tablet once at night- for 2 days.
		8pm
FOR PAIN		
Tapentadol SR	11.4	Take one tablet
50mg Slow Release	H	twice a day- for 2
Slow Release		days. 8am
		8pm
FOR PAIN		
Tapentadol IR		Take 1-2 tablets when needed for
50mg		pain.
Immediate Release		
		Do not take if it has
FOR PAIN		been less than 4
FOR PAIN		hours since the last dose.
Endone		Take 1-2 tablets when needed for
5mg		pain.
(oxycodone IR)	05	5
		Do not take if it has been less than 3 hours since the last dose.
FOR PAIN	(B)	than 3 nours since the last dose.
Ondansetron		Place the medication under
	5 (22	your tongue and let it dissolve-
		take one when needed for
FOR NAUSEA		nausea.
ONIVAUULA		Do not take if it has been less
		than 6 hours since the last dose.

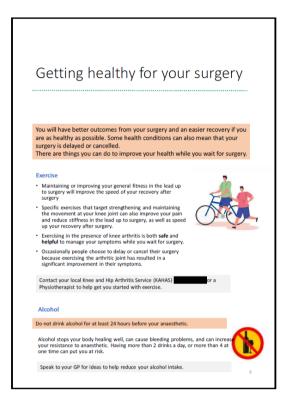
Grafton Hospital Total Knee Replacement Surgery Booklet





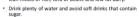






Getting healthy for your surgery

- Being overweight or underweight can increase the risks of problems during your surgery. It's a good idea to discuss weight management with your care team.
- Eat mostly healthy foods and limit unhealthy foods. Try to eat meals that are full of fruits, vegetables, whole grains, lean meats or fish, tofu or beans and low fat dairy.





It may be helpful to have a review of your heart health with a specialist prior to your surgery. If you have a previous heart condition or if you have a pacemaker you will need to have had a review with your Specialist in the last 12 months.



See your GP

Your GP can help you get ready for surgery. If you have a chronic health condition your GP can help you stay on top of it in the lead up to your surgery.



It's a good idea to try and quit smoking before your surgery. Smoking puts strain on your heart and increases your chance of blood clots. It also makes it harder for you to breathe and increases your risk of infection. If you stop smoking you will recover faster from surgery.

U 2 QUIT

Contacts to help quit smoking

Quitline www.quit.org.au or 13 78 48
Helping U 2 Quit Clinic 07 5506 7010
You can also contact your GP for help to quit smoking.

Getting healthy for your surgery

Help at home

- If you live alone or are a carer for someone, or if your knee is stopping you from being able to care for yourself or your loved ones, there may be help available to you both before and after your
- surgery, if you think you might need home help after your surgery, try to arrange it as soon as possible while you walt for surgery. This can help get you home safely earlier after surgery and put some of your worries at ease.

Contacts for help at home
• My Aged Care for people 65+ or 50+ for Aboriginal and Torres Strait Island

people 1800 806 258 or http://www.myagedcare.gov.au/getting-started

Occupational Therapists (OTs) help people improve their ability to perform tasks in their home or workplace. They can recommend a range of equipment to help you be as independent and safe as possible.

1

- Equipment can often make daily tasks easier by conserving energy, limiting painful movement, supporting transfers and maintaining independence. Here are some examples of the most common equipment that can help before and after surgery:
- examples of the most common equipment that can help before and after surgery:

 Shower Chair or Stool

 Bath Board or Transfer Bench

 Over Toilet Aid or Raised Toilet Seat

 Long Handled Aids: help you to reach your feet, back and objects on the grouwthout bending over.

Contacts for Occupational Therapy
Your local Occupational Therapist for equipment or home modification needs on
02 6641 8738.

02 6641 8738. Grafton Base Hospital Occupational Therapy - Equipment Loan Pool on 6641 8740. Maclean Community Health Occupational Therapy — Equipment Loan Pool on 6640 0123.

The Knee and Hip Arthritis Service (KAHAS)

You can contact the Knee and Hip Arthritis Service on

The Knee and Hip Arthritis Service is located at Grafton Base Physiotherapy Department and Maclean Community Health.

- You may have been involved with this service before you decided to have a joint replacement surgery
- You will be contacted to make an appointment with the service about 4 weeks after you go onto the waiting list for a knee replacement
- · A Physiotherapist will interview you and look at all aspects of your health -
- You, and those close to you, will be given information on how to improve
- Your surgeon and GP will be updated on your progress.



Getting ready for your knee replacement surgery

Before surgery checklist

- ☐ Confirm the date of your surgery. Surgery date: .
- ☐ Make physio appointment for 1 week after your surgery Physio appointment date and time:
- ☐ Make GP appointment for 7-10 days after your surgery
- □ Start your skin preparation 3 days before your surgery
 □ Start your bowel preparation 3 days before your surgery if you have been advised to do so.
- ☐ Speak to the hospital the day before your surgery and find out:

Time to stop eating: . Time to stop drinking: Time to arrive at the hospital:

☐ Drink 4 Pre-Operative drinks in the afternoon and evening on the day

before your operation.

□ Drink 1 □ Drink 2 □ Drink 3 □ Drink 4

Gabapentin: If you are told by the anaesthetic team to take Gabapentin, take 1 x 300mg capsule before your operation, at the time you are told by the day surgery staff

Getting ready for your knee replacement surgery

Two weeks before surgery:

- - Ask about pre-op (before surgery) exercises if you don't already have any. Discuss any other equipment you may need after the surgery.
 - If possible, practice using Canadian Crutches (forearm crutches) as you will probably use these the first time you get up after your surgery

 Arrange an appointment for 1 week after your surgery.
- Work on any exercises you have been prescribed to get your muscles in good shape. This will help your recovery after the surgery.
- Contact your GP to arrange an appointment for 7 10 days after your surgery. This is in case you have any medication requirements or other issues after the surgery.
- Book your post op (after surgery) appointment with Dr Genon. Usually 2 weeks after surgery is a good time. If you live further away, 4 to 6 weeks after the surgery is also
- Take care of your skin and try not to get any cuts or scratches. Don't do things that have a high risk of scratches, like gardening, mowing or playing with frisky puppies.

- Please notify the Day Surgery Unit () or Dr :
 if you have scratched yourself and have any cuts, scratches or infections on the leg to be
- operated on.

 if you become unwell or have any other new health issues in the 2 weeks leading up to
- your surgery.

 If you are taking strong pain killers without your GP knowing. This will affect your recovery after surgery

Canadian Crutches (also known as forearm crutches)



Getting ready for your knee replacement surgery

- Read your medication directions. Check that you are clear about any medication you will have to take and how to take it.
- Read through the recovery from total knee replacement surgery information. Please ask any questions that remain unanswered.
- · Continue your exercise program.
- If you have a thermoactive knee brace, practice putting it on so you know how to use it.

- Please notify the Day Surgery Unit of or Dr Genon:

 if you have scratched yourself and have any cuts, scratches or infections on the leg to be operated on.

 if you become unwell or have any other new health issues in the Z weeks leading up to your surgery.

 if you are taking strong pain killers without your GP knowing. This will affect your recovery after surgery

A Thermoactive knee brace is a brace designed to relieve knee pain. It provides gentle pressure on all parts of the knee equally, and can have an ice pack or heat pack inserted. It sometimes has a hand pump that you can use to inflate the brace so you can control the amount of pressure on your knee.



Getting ready for your knee replacement surgery

- Screening

 We currently screen all patients for staph aureus prior to elective joint replacement surgery to reduce the possibility of a post operative infection. Staph aureus is a common bacteria that lives on the skin or in the nose of about 1 in 3 healthy people. If the staph aureus enters the body through a surgical incision or cut it may cause infection. If your result comes back positive you will be contacted to have additional restament to decolonise your body. This will include the use of a nasal ointment and a body wash.

 All patients will be given an arbitacterial wash to use prior to surgery. Instructions for use will be given at your pre anaesthetic appointment.

 We also test your urine prior to surgery to ensure you have no current infections which could pose a risk for a post operative infection.

Three days before surgery:

You have been given three sponges. For the two nights before surgery use 1 sponge in the shower each day. Use the last sponge on the morning of the operation. This will reduce your chance of infection.

- Wet your whole body and hair thoroughly
 Wash with the sponge paying special attention to the knee area that will be operated on. Also wash feet and toenalis on the leg being operated on. Avoid contact with eyes, ears mouth and body cavities.
 Rince your body thoroughly
 Wash your whole body again with the sponge, paying attention to your hair and genital areas.

- Rinse your body thoroughly
 Dry yourself with a clean towel

Bowel Preparation

You may be given three sachets of Movicol. Not everyone needs this, if you do, it is a gentle stool softener to protect against constipation after the surgery, it isn't heavy handed and is well worth taking to prevent trouble later. Take one each day for 3 days before the surgery (not the day of surgery).

Getting ready for your knee replacement surgery

One day before surgery

- Drink 4 Pre Operative drinks in the afternoon and evening on the day before your
- The hospital will contact you the day before your surgery and let you know or what time to arrive what time you need to fast from (stop eating and drinking).
- If your surgery is on a Monday they will contact you on Friday.
- Please call the Day Surgery Unit on 02 6641 8351 if you don't hear from them by 2 pm on the day before your operation (or Friday for Monday surgery).
- What to pack for hospital:

 Bring the information folder with you.
 Pack your Thermoactive knee brace if you have one. Remember to be proactive about using it after your surgery.
 Bring your puffer or insulin (as advised by the preoperative clinic)
 Walking aids, hearing aids and reading glasses
 Loose comfortable clothers and pylamas
 Toothbrush and toiletries in case you stay overnight.

Drink the remaining two drinks on the morning of your operation (finishing 2 hours before your admission time).

Follow the advice of your anaesthetist if it differs from this proto

Recovery after your knee replacement surgery

Things that are normal:

- It is quite normal for your knee to be warm for weeks or months after a
- knee replacement.

 It is also common for a knee replacement to give some clicking or clunking

- It is also common for a knee replacement to give some clicking or clunking feelings.

 Swelling for weeks or months is normal too.

 A numb patch on the outside of the cut is also normal.

 Some bruising up or down your leg is reasonably common. This happens if some blood tracks under the skin to cause a bruisie.

 It is also common for patients to experience a tough week or a period where they go backwards for a little while. As long as things get better again, that's ok.

 Pennale who have hard 2 knees done often find a difference between the
- People who have had 2 knees done often find a difference between the recovery in each knee

Alerts and things to watch out for:

- Excess pain, or trouble with movement can be a sign something is wrong. Severe pain can be a sign of an emergency.

 Signs of infection like fever, pain, redness or fluid/pus leaking from the cut shouldn't be ignored. If you are worried you have an infected knee replacement it is best to see an Orthopaedic Surgeon rather than your GA. Antibiotic tablets by themselves will not be enough to treat an infected knee replacement.

 Significantle gor foot swelling can be a sign of a dangerous blood clot.

 Difficulty breathing or chest pain can be a sign of a clot on the lungs which is an emergency.

Recovery after your knee replacement surgery

When you wake up from your surgery

- You will wake up in the Recovery Unit but may not remember this.
- An X-ray is taken to confirm everything looks ok.
- Nurses will carefully check that you have recovered from the anaesthetic well. If a urinary catheter was placed, it is usually removed when you leave recovery. The tubes attached to you can be removed too.

- Your leg will be bandaged and there will be a little anaesthetic infusion device attached near your knee which looks like a ball.
- Your leg will be a bright pink colour from the preparation for surgery.
- After eating and drinking, get dressed in your own clothes. These should be loose and comfortable. Ask the Nurses for help with this if necessary.

Getting up to walk

- When the feeling in your feet is back to normal and you don't feel dizzy, you can get up to walk.
- At first when you walk, you will use a frame, crutches or a stick for balance, whichever aid works best for you. You will be allowed to put your full weight through your leg.
- You are also encouraged to get your leg moving from the beginning.
- There are some exercises on pages 38 42 of this book. These focus on getting your leg straight and bending it. If you can get your leg out straight and bend it to 90 degrees or more, you may not need to do the exercises many times you are doing well already.
 Your physiotherapist will guide you in how to do the exercises and how often to do them.

Recovery after your knee replacement surgery

On the day of your surgery

How will my knee feel?

- It is normal to have very minimal or no pain for the first 24 hours or so after knee replacement. It is still important to rest, ice and elevate your knee, so it doesn't swell and get sore later.
- If you do have some pain, there are things we can do to get on top of it. Just ask your nurse or doctor.
- If you have a thermoactive knee brace, you should use it frequently even at this early
- You can also use ice or an ice pack. Wrap it in a clean towel. Never apply frozen material directly to your skin.

Apply the ice or thermoactive knee brace to your knee a maximum of 20 minutes at a time, every 2 hours.

There is no need to ice your knee any more often or for longer than this.

Going home from the hospital

- · You may be able to go home on the day of surgery if:
 - You have recovered well
 - You have good general health
 You have someone at home to look after you
- The brown elastic bandage <u>must be removed if:</u>

 It digs in

 You have excess pain

 Your ankle doesn't move normally

If you are at home and experiencing excess pain, contact Dr Genon or seek urgent medical assessment. You can visit the Emergency Department or call your GP and ask for an urgent appointment. Check the alerts on page 14 for things to watch out for.

Recovery after your knee replacement surgery

Day 1 after surgery

How will my knee feel?

- As per the day of surgery, it is common to have very minimal or no pain for the first 24 hours after your knee replacement. Don't be disappointed if you have some pain, there are things we can do to get on top of it. It's important not no everdo it if you have no pain. The part of the part of
- If you have recovered well, have good general health and someone at home to look after you, you may be able to go home.

Starting the day after the surgery you will receive a link via sms or email (whichever is more convenient for you). This will happen daily for the first 5 days post surgery then second daily until 2 weeks after your surgery.

Getting your knee moving

There are some exercises on pages 38 to 42 of this book. These focus on getting your leg straight and bending it. If you can get your leg out straight and bend it to 90 degrees or more, you may not need to do the exercises many times. Your physiotherapist will guide you in how to do the exercises and how often to do them.

Recovery after your knee replacement surgery

Days 2-3 after surgery

It's very common for the knee to get a bit sorer and feel heavier 2-3 days after your surgery. It will normally get easier again from here, so don't be disheartened if you feel you've gone a bit backwards after the first day.

- This is normally the hardest time. Your leg may feel heavy and more swollen. Sometimes people's thigh muscles temporarily shut down or "go to sleep" after knee replacement surgers, if that happens, they are usually the most "sleep" around 48 hours after the surgers, Pain is also often felt more around this time but it does get less again! People's energy levels or emotions are often lowest around this time. Don't be disappointed if you feel like you have gone backward or are feeling a bit low 2 days after the surgery, both of these things are common.
- The elastic bandage and the anaesthetic infusion are usually removed 48 hours after surgery.
- Keep working at your rehab as instructed by your physiotherapist. It's important to take enough pain killers and to control swelling in your knee at this time too. Rest, ice, elevation and compression all play a role. Use the thermoactive knee brace if you have one.
- If you went home within the first 24 hours after your surgery, you may have an
 appointment with one of Dr Genon's team at 2 to 3 days post op. This is for a check up
 and to remove the pain buster.

Days 4-7 after surgery

Things should be getting easier again. It is still important to keep on top of pain and swelling. By now you may have started to get a feel for what activities or exercises work for you. If you knee comes out straight, you can walk reasonably well, and you can bend it to 90 degrees or more then you are doing fine.

Your knee shouldn't leak any fluid after day 7. Please notify Dr Genon or seek medical attention if it does.

Recovery after your knee replacement surgery

7-14 days after surgery:

- This is a good time to have an appointment with your physiotherapist. If possible, organise this before the surgery, in case appointments are hard to come by.
- This is also often a good time to catch up with your General Practitioner (GP), in case there are any medication or other issues that need addressing. Book this appointment in advance, before your surgery.

- Some patients will have an appointment with Dr Genon now. This appointment will normally
 involve a wound check and discussion about the rehabilitation progress so far. You may also
 discuss things like return to work and driving.
- After 14 days the dressing can be removed and the wound can get wet. If you haven't seen Dr Genon, you may remove the dressings yourself after 14 days.
- There are no stitches or staples to remove at they will dissolve by themselves. There is a sticky, slightly rubbery strip beneath the main dressing. If possible, keep this on a bit longer than 2 weeks. It can tear the wound a little if removed early.
- The prescription for your blood thinner medication will normally run for 15 days after you go home from hospital. Keep taking the medication and using the compression stockings until this time.

The first 14 days: If you are at home and your pain is not well controlled, please discuss this at your check up, or contact Dr Genon for advice.

Also check the alerts on page 14 of this book.

2 to 6 weeks after surgery:

This is a time to continue making progress with rehabilitation under the supervision of your Physiotherapist. You can gradually return to more strenuous activities as they are comfortable. Many people will start to feel better than before the surgery by 6 weeks. At 6 weeks after surgery, many people are also able to undertake the same activities as they could do before the surgery. Some people get better faster and some people do recover more slowly. It is totally normal not to feel 100% by 6 or 8 weeks post-surgery.

Recovery after surgery Pain relief medications

Putting up with strong pain will hold your rehab back. Please let Dr Genon know if your pain isn't well controlled. These pain killiers can play a part in your recovery. Swelling management is also important. Rest, ice, elevation and compression all play a part.

- It is important to have a good pain management schedule. Below is a summary table. There
 is more detail about these medications on the following pages.
- Pain killers can cause constipation. It is a good idea to continue Movicol and/or Coloxyl and Senna until things are back to normal. Make sure you drink plenty of water and eat enough filton.

Pain medication	When to use	When to stop
Paracetamol/Panadol Osteo	Take regularly as per instructions on the packet	This is the last pain reliever you should stop.
Non-Steroidal anti- inflammatory drugs (E.g Celebrex or Mobic)	If you know you can take them safely, take it regularly as per instructions on the packet	Aim to stop them after 1 week.
Pantoprazole	Please take these when you are taking the non-steroidal anti-inflammatories regularly. This is to prevent any stomach upset.	Can stop this when you stop the non-steroidal anti- inflammatory drugs
Palexia	Strong pain killer – Take regularly as prescribed	Can be stopped early if you don't need them. It is also
Endone	Strong pain killer – Take as breakthrough if the regular Palexia is not enough	reasonable to need them for a few weeks.

Recovery after surgery Pain relief medications Following surgery or an injury it is normal to have pain. Each person's experience of pain can be different but it is expected to last between a few days and a few weeks. In most people this pain can be well controlled. It is important for your recovery that you manage your pain well so that you are able to do rehabilitation activities. You may have a pain management plan to help you know what pain relieving medication to take, when, and for how long. This leaflet is designed to help you manage this pain at home with either medication you have from your local pharmacy or medication from the hospital. Your doctor may want you to take a combination of these medications to help keep your pain under control. You may have been recommended one or more pain relieving medications to take at home. They may be prescribed alone or in combination to control your pain. My pain relief medications are:

Recovery after surgery Pain relief medications

Paracetamol Paracetamol 500mg tablets (Brands include: Panadol, Panamax, Dymadon or Febridol)

Paracetamol 665 mg modified release tablets (Brands include Osteomol®, Panadol Osteo®

The usual adult dose of Paracetamol is one or two 500mg tablets, FOUR times a day, or one or two 665 mg tablets THREE times daily. This may have been prescribed to be taken regularly. Taking the full recommended dose may help keep constant pain under control. Paracetamol is often important for people with stronger pain to help other medications work better, or to require less of the stronger medications.

If you take the recommended dose, the risk of side effects with this medication is low If you have liver disease you should consult with your doctor before taking paracetamol.

To avoid overdose DO NOT EXCEED a total of 4 grams of paracetamol in 24 hours.

This is 8 tablets of 500mg or 6 tablets of 665mg.

Note that Paracetamol is also in some combination products (with codeine such as Panadeine® or Panadeine Forte/Codalign Forte®) or Maxigesic® or Cold and Flu tablets. Always check the label for paracetamol.

Recovery after surgery Pain relief medications

Pain Management

Following surgery or an injury it is normal to have pain. Each person's experience of pain can be different but it is expected to last between a few days and a few weeks.

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Recovery after surgery Pain relief medications

Medications For Mild to Moderate Pain

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Paracetamol 665 mg modified release tablets (Brands include Osteomol®, Panadol

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Recovery after surgery Pain relief medications

Medications For Mild to Moderate Pain

mmatory Medication o of drugs include non-steroidal anti-inflammatory drugs (NSAIDs) and COX-2

Indiotors.

Drug Name (generic)

Drug Name (generic

pain inedications to relieve severe pain.

Side effects are more common than with paracetamol. Common side effects include heartburn, stomach uoset, dizziness, diarrhoea and headache.

To minimise these effects they must be taken with food.

Before taking this medication it is important to let your doctor or pharmacist know if you:

Have had a stomach ulcer or bleeding
Have had asthma
Have had isdiney problems
Have a history of heart failure
Have had isoryorious allergy to any NSAIDS
Are taking any other medication

Recovery after surgery Pain relief medications

Medication for moderate to severe pain

Opioids
Oxycodone, Tapentadol, Codeine, Morphine, (Brands include: Targin, Oxycontin, MS Contin, Endone, Palexia)

Opioids are only to be used for moderate to severe pain and are often prescribed for temporary use after surgery. There are different types of opioids that you may be prescribed. They are available in tablets, capsules, patches and injections. These will often be used in addition to paracetamol and sometimes also anti-inflammatory medication, but should not be taken instead of these if they have been prescribed for your forms.

Common side effects include nausea, vomiting, itchiness, confusion, headache and diziness. Drowsiness can occur with opioids and may mean that you need your doze reviewed. If affected do not drive a motor vehicle or operate machinery. Let your doctor know if you become excessively drowsy. Alcohol should also be avoided when taking opioids.

How long should I continue the pain relievers?

Once your pain starts to subside, you may reduce the amount of pain medication you take until you no longer need the medication. Normally, you should start by reducing the oploids first, followed by anti-inflammatory medication and then paracetamol. However this may depend on your pain management plan.

If your pain gets worse when you are at home, or your pain relief medication is no longer controlling your pain, please contact Dr or your GP. If it is severe, or you are worr something is wrong, seek emergency attention at a hospital (Emergency Department).

Recovery after surgery Pain relief medications

Pain Management: ON-Q* Pain relief System

Do not squeeze the pump. It has the force necessary to deliver your medication.

- Your surgeon has placed a catheter near the site of your surgery
 with an elastomeric pain pump. This is to help control pain in the
 first few days after your surgery. The following is a brief overview of
 the instructions you will get when you leave hospital.
- Your pain pump does not contain any narcotics, so you should not feel any side effects such as dizziness, sleepiness, nausea or vomiting.
- The pain pump contains an anaesthetic which is a 'numbing agent'.
 It will numb only around the site where it is attached.
- It will nume only around the site where it is attached.

 The pain pump will provide you with pain relief for about 2-3 days. The outcome and benefits of using this pain pump may vary from patient to patient with the type of surgery that was done. These benefits may include decreased pain, decreased narcotic consumption and quicker return of movement.

 The infusion only targets a specific area around your surgical site. It is important that you also take your pain pills as prescribed by your aneasthetist or surgeon if required.

Narcotics The brain and entire body are affected



Local Anesthetics Only the area near the surgical site is targeted



Recovery after surgery Pain relief medications

IMPORTANT IMFORMATION:

Things to be aware of when using the ON-Q* Pain Relief System

WARNING: The following symptoms may represent a serious medical condition. Immediately close the clamp on the pump tubing and call your doctor or 000 in case of an emergency to prevent serious patient harm.

- Increase in pain
- · Fevers, chills or sweats
- · Difficulty breathing
- Redness, warmth, discharge or excessive bleeding from catheter site
- · Dizziness or lightheadedness
- · Blurred vision
- · Metal taste in your mouth
- Numbness and/or tingling around your mouth, fingers or toes
- Drowsiness
- Confusion

Numbness

Be aware that you may experience loss of feeling at or around the surgical area. If numbness occurs, take proper measures to avoid injury. Be careful when placing hot or cold items on a numb area.

· Do not reuse the pump

Protect the pump and catheter site from water according to your doctor's instructions

Recovery after surgery Pain relief medications

ON-Q* Pump – Frequently Asked Questions

Will the ON-Q* Pump system treat all of my pain?

- Patients experience different levels of pain.
- The ON-Q* system works with other medication and therapies your surgeon may prescribe to manage your pain after surgery. With the ON-Q* system, you may need less strone pain medications and have better pain relief than with medications alone.

How do I know the pump is working?

- As the medication is delivered, the pump (ball) will gradually become smaller.

How long will my ON-Q* pump last?

- Depending on the size of your pump, it may take 2-5 days to give all the medication.
- All the medication has been delivered when the ON-Q* pump is no longer full. The
 outside bag will be flat and a hard tube can be felt in the centre of the pump.

If you go home with your ON-Q* Pump in place, your surgeon will arrange for it to be removed at The Orthopaedic Centre 2-3 days after your operation.

Frequently asked questions: Is Knee Surgery for me?

How do I know if my knee is bad enough for a knee replacement?

- Firstly an x-ray or scan is necessary to confirm bone-on-bone arthritis in your worn A knee replacement is not an option to consider without bone-on-bone wear.
- After that it is important to realise that not everyone with a worn-out knee needs a knee replacement. There are sensible alternatives that you should try first. After this, if you are still having a bad time with miserable knee pain, then we would consider surgery.
- It is major surgery. It is not something you should undertake for a niggle or so that you can do something very demanding that isn't reasonable for your age group. It is, however, a very good operation for someone that is having significant trouble with day to day things due to

- Osteoarthritis (OA) is when a joint wears down or fails so that it is rubbing bare bone on-bone. Many people use the term 'arthritis' to dismiss vague aches and pains that they resin themselves to put up with. However, osteoarthritis is specific and usually reatable. It can cause pain, stiffness, bony lumps, bow or knock kneed legs and swelling. Hip and knee replacements are examples of major operations for osteoarthritis.
- Surgery for osteoarthritis is generally the last resort. There are many non-surgical treatments
 that can also be discussed with the doctor. Other types of arthritis, like rheumatoid or
 psoriatic arthritis, are often treated by a rheumatologist. An orthospadic surgical opinion
 may be useful in these cases too if there is a lot of damage to the joints.

What is osteoporosis?

- Osteoporosis is a condition often associated with ageing, in which bones become weaker and break more easily. It is known to be associated with other medical conditions or medications. If you are concerned, ask your GP.
- If you are middle-aged or older and have broken a bone, it is also something to have checked. There are tests to rule out important causes and there are effective treatmer too. If someone has osteoporosis, it doesn't mean they can't have a knee replacement

Frequently asked questions Is Knee Surgery for me?

What are my options apart from surgery to manage my arthritis?

Exercise and physical activity is recommended for everyone with arthritis. The aim of exercise is to increase the strength of the muscles around the joints, maintain joint movement and increase your filtenses. Exercise is safe to do for people with arthritis. Starting exercise is not always easy, so start slowly and gradually build up. A physiotherapist can assist in providing a tailored exercise program for you.

Being overweight can contribute to the pain you have in your joints. Healthy eating and physical activity are ways to lose weight. Maintaining or achieving your ideal weight reduces the stress on your joints.

Simple pain relief medication can help you keep moving. Your GP can provide advice on this. Heat and ice can also help manage your symptoms.

These options may help you reduce joint pain, improve your ability do things at home and work, and benefit your general health and well-being.

Do injections work for arthritis?

- · There are different types of injections available. Any injection has a small risk of infection.
- Inere are different types of injections available. Any injection has a small risk of infection.
 Cortisone injections can give temporary pain relief in general, these would be used to help pinpoint which pain was from where, rather than for on going treatment. There are some lubrication-type injections, however these are expensive and the research to support them is incondusive. In practice they are a bit h'fit and mile research to a the point where they are useful in terms of making cartilage grow back. It is possible that stem cells may be useful in the future, but realistically that is a long way off. There are a lot of things wrong in a worn-out knee that would need fixing for cartilage cells to take.

What about a keyhole surgical clean out?

Keyhole knee surgery is called arthroscopy, Keyhole surgery used to be done quite a lot for arthritis but research has shown that it isn't reliable. Some people feel better after it and some people are worse. Because of this, arthroscopic surgery for arthritis isn't usually recommended anymore.

Frequently asked questions about knee surgery

- A knee replacement is a resurfacing type of operation. A cut is made off to the side of the front of your knee. The kneecap and muscle are slid out of the way. The worn-out bits of bone are cut of the adepth of about 1 centimetre. Metal caps are then placed on the end of the thigh bone and top of the shin bone with a plastic cushion in between. The back of the kneecap is often replaced with plastic, keeping your normal front part of the kneecap. The components fit in amongst your own ligaments on the sides of the knee. They are usually freed with special bone cerement.
- Computer navigation is used to align the components accurately. Dr Genon aims to align the components to recreate the shape of your own knee before it wore out. This allows your ligaments to work as well as possible, which helps your new knee to work better.
- The wound is closed with dissolving stitches and dressings are applied. A little anaesthetic infusion pump for pain is used and an elastic bandage is carefully applied.

How long does the operation take?

A knee replacement usually takes around 90 minutes. Having both sides done at once takes 3 to 4 hours. A patient will often be gone from the ward for 4 hours or more surrounding their operation, so tell your family not to worry if you are having joint replacement surgery and it seems to be taking a long time.

What sort of anaesthetic can I have?

- Many people are anxious about having to hear the surgery with a spinal anaesthetic. Be
 reassured that this isn't a problem, because the anaesthetist can easily make you doze with
 a spinal on board. If, for medical reasons, it isn't possible to do the operation under spinal
 then a general is fine.

Frequently asked questions about knee surgery

How much pain will there be after the surgery?

- The pain associated with major knee surgery is in't nearly as bad as it used to be. This is due
 to a combination of improvements in technique and pain relief. Many people now have no
 pain or only very minimal pain during the first 24 hours. It is great to be active, but don't
 over do it in that period.
- Occasionally someone will have significant pain after the operation, but we have many options to try to reduce your pain. Please ask your nurse or doctor if you feel your pain relief is not enough.
- The second or third day after the surgery is usually the hardest. This is when your leg will
 feel the heaviest and it can be when feelings of pain are a bit stronger. Don't be too
 disappointed if you have a period where you feel you have gone backward a bit. This is a
 very normal part of the recovery.

How long would I stay in hospital? Is Day Surgery for me?

- Patients are discharged when they are safe and comfortable to go home. With current techniques, this can be on the day of surgery.

- have someone at home with them for the first few nights haven't had any falls or faints in the last five years

- didn't require any walking aids like sticks or a walker before the surgery have recovered well and are safely walking comfortably after surgery

Frequently asked questions about knee surgery

How long will the knee replacement last?

- The results of these replacements are very good, and you can expect your joint replacement to last a long time. This does depend a bit on your age, activity level and the underlying condition that required joint replacement surgers.

 For most people the knee replacement will ast more than 15 years, and it may last as long as 20 or 32 years or more. There is, however, small risk of failure at any time after knee replacement surgery for various reasons. There is even about a 1 in 100 chance of failure within the first year.
- Dr Genon takes certain steps to improve the chances of your joint replacement lasting a long time, including:
 choosing a prosthesis based on The Australian National Joint Replacement Registry results

 - using computer navigation and careful technique during the surgery.

Can it be done again?

In most cases it is possible to re-do a failed knee replacement. In most cases it is even possible to re-do it more than once. This is called a revision. Usually it is a bigger operation with higher risks and worse results than a successful first (called primary) knee replacement Very occasionally it may not be possible to re-do the failed joint but that really is unusual.

Frequently asked questions about knee surgery

What can go wrong after knee replacement?

- We take a number of steps and great care to avoid the risk of serious problems after a knee replacement.
- knee replacement. Serious problems after a knee replacement are very unusual and Dr Genon and his team take every step to prevent them. Despite these steps, problems can still occur. For example, infection can cause early failure or on-going pain. A late infection, years after the surgery, is also possible but very unusual. The overall risk of failure due to infection is less than 1% failure can also occur due to wear, loosening, breakage of the bones about the knee of for other reasons.
- Some degree of minor permanent pain is reasonably common after knee replacement, but on-going severe pain is very unusual. Occasionally the knee might set very stiffly or, conversely, it can be too wobbly. A large part of the surgery is getting this balance right.
- Sometimes the leg might end up bow legged or knock kneed, but this is also unusual with modern techniques. It is possible, but very rare, to have a serious nerve, tendon, ligament or blood vessel injury during the surgery. That can cause a permanent problem. In the very worst case scenario this can result in amputation. The risk of that is between 1 in 1000 and 1 in Solt and 1 in 1000 and 1
- Other risks of the surgery include problems like heart attack, stroke or blood clots. Kidney and bowel problems are also possible. It is possible to die from a knee replacement. It is important to talk through the risks and benefits of the procedure and any specific concerns you have when making decisions about the surgery.

Frequently asked questions about knee surgery

Are blood clots a worry?

- There are different types of blood clots you can get after a knee replacement but there
 are good steps that can be taken to protect against them.
- A clot in the wound is called a haematoma. This can't spread to the lungs so it isn't dangerous in that way, but it is an infection risk. Very occasionally a knee replaceme might need a haematoma cleaned out in the operating theatre. With current techni the risk of a bad wound haematoma is very low.
- The other sorts of blood clots are ones in the leg veins (Deep Vein Thrombosis or DVT) that can travel to the lungs (Pulmonary Embolism or PE). A PE can be life threatening, but there are a lot of effective measures that the team of people caring for knee replacement patients always take to minimise the risk. If you do get short of breath or chest pain during your recovery you should seek urgent medical attention. Significant leg swelling is also a reason to see a Doctor in a timely fashion.
- Bruising-type colours up and down the leg after surgery are not clots. They are usually from some blood that has leaked out of the surgical area.

- Infection can be a major problem, so we take a number of effective steps and great care to minimise the risk of infection spreading to a knee replacement. Before the operation we screen and treat people for stagh in needed. About a third of people in the community carry staph on their skin and special treatment to clear it before surgery decreases the risk of infection. With this, and other steps the risk of infection is fest than 15s.
- It is possible for infection to spread to a new knee many years after surgery, usually via the bloodstream. This is very unusual but it is still worth taking steps to protect against. To the bloodstream. This is a say, a service of the prevent this you can:

 check with your Doctor if you need antibiotics before other operations or procedures in the future.

 - procedures in the tuture.

 be aware if you are getting a recurrent infection somewhere, such as a kidney infection from a stone. It is very important to treat the infection and fix the underlying issue to minimise the risk of spread to your knee.

Frequently asked questions about knee surgery

- Blood transfusions after knee replacements are very rare these days. However, it is important to tell your doctor if you have a bleeding problem. It is also important to discuss all your medications as some of these have a blood thinning effect. This includes over-the-counter medications and alternative treatments.
- You may have heard of pre-operative self-to-self blood donation. This is when blood is taken from you before your surgery so that you can be given your own blood if needed during or after your surgery. For knee replacement this is not offered anymore, as blood transfusions are so are.

How long will it take until I am better? How long do I need off work?

- The recovery from major joint replacement surgery is much faster than it used to be, but it is different for everyone and even different from knee to knee for people who have had both done. Some people reach the point where they are back doing what was normal for them before the surgery, as early as 2 weeks after the surgery.
- For some people it takes 4 to 6 weeks until they are better than before the operation. For office type work it would be reasonable to allow at least 4 weeks off from work. If your work is more physical, it would be reasonable to allow 6 weeks or more.
- It is important not to be disappointed if your knee is getting better more slowly than average! Occasionally, people can experience a slower recovery. About 1 in 50 patients might take as long as 3 or even flomonths until they are pleased with the new knee. From then on the knee would continue to get slowly better until the new knee is fully "bedded in" which can take as long as a year.

Driving too early is dangerous for you and other people too. Patients who can walk well without any assistance, and aren't affected by strong pain killers are usually safe to drive. It would usually be reasonable to allow four weeks. Please discuss your plan regarding driving with Dr Genon.

Frequently asked questions about knee surgery

How much physio will I need after the operation? What about rehabilitation?

- The recovery after knee replacement surgery is generally much easier than it used to be and Or Genon is continually fine-tuning his practice to make it as easy as on be. You will be allowed to put your full weight through your leg from the start and are encouraged to get it moving from the beginning. Crutches, a stick, or a walking frame will be used initially for balance.
- For many people intense physiotherapy is no longer necessary after the joint replacement. This is especially the case for people who have done a physiotherapy course prior to the surgery.
- Often, it is now simply a matter of doing some post-operative exercises, as advised by a physiotherapist, and getting on with life. Some patients will require specific attention to some aspect of their recovery, and this is something that is dealt with on a case by case basis.
- Rehabilitation in hospital is very rarely needed after a knee replacement these days. It is much better to go home and get on with life.

How active can I be after the operation?

- The main aim of knee replacement surgery is to reduce your knee pain and improve quality
 of life. Being more active in the lead up to and after knee replacement can have really
 important health benefits.
- Activities such as long walks, bike riding, swimming, golf or doubles tennis would be examples of reasonable levels of activities for most people after joint replacement surgery
- The effect of high impact sports or activities such as running and logging on knee replacements is not well known. If you are keen to do high impact activities after the surgery it is important to talk it over with Dr Genon. While it is generally recommended to avoid high impact activities there are some people who may be able to successfully return to this level of activity after joint replacement. There is no good long term evidence about the effects of high impact activities on how long your knee replacement will last.

Frequently asked questions about knee surgery

What is it like to have an artificial knee?

- It is very important to have a realistic idea of what to expect from a knee replacement. For example 1 in 5 people will have some minor ongoing pain for good after knee replacement surgery. This should be minor and manageable with simple pain relief. Severe on-going pain is very, very unusual or there wouldn't be any point in doing the surgery. Numb patches around the cut are very common. These usually become less noticeable with time, but some permanent numbness often persists.
- Some feelings of dunking or swelling are reasonable common and usually settle with time. Some people cannot comfortably kined or squat after kine replacement surgers but this is reported less and less as techniques improve. It is normal for the kine to be swellen and warm for some months after the surgery. Some degree of swelling or change in shape of the kinec can be permanent. An artificial kines lein's a super fine. It sin's as good as the healthy kine of a young person, but it is normally much better than a painful worm-out one.

Will I trigger an alarm at the airport?

This depends on what sort of metal you have implanted and how sensitive the scanner is.
 People ask if they should carry a card or certificate for the joint replacement. However there is no official document and this could easily be forged. Alroys security staff are used to processing people who have had joint replacement surgery.

Knee Exercises after Surgery

The main goal of exercises after surgery is to improve the movement in your knee, as well as the strength in your thigh muscles (the quadriceps) so you can get back to doing all your usual activities and prevent the knee getting

Exercises to help your knee muscles:

Quadriceps exercises

Rest your knee over a rolled towel, then straighten your leg so that your heel lifts off the bed. Hold for 5 seconds, then slowly lower your foot. Repeat 10-20 times



Tighten your thigh muscle and keeping your leg straight lift your leg 10cm off the bed and hold for 3 seconds. Repeat 10 times.



Knee Exercise after Surgery

Exercises to help your knee to straighten:

Standing knee extension
Stand and hold onto the back of a chair or the
edge of a counter.
Tighten muscle on top of thigh by pushing
operated knee backwards, so it is as straight as
possible. Push heel into floor to help.
Hold for 2-3 seconds.

Straight knee stretch Place rolled towel under your ankle Relax in this position for a few minutes or as

tolerated.
Use your muscles at the front of you thigh to push you leg down toward the bed.
If your knee is taking a while to straighten, you physio may advise you to add
A small weight to your thigh or lower leg to assist



Knee Exercises after Surgery

Exercises to help your knee to bend:

Knee flexion when sitting Sit in a chair where you can comfortably reach the floor. Bend your knee by sliding your heel along the ground as far as you can. Once there, bring your bottom forward on the chair as far as you can. You should feel a strong stretch. Hold for 5-10 seconds, move bottom back slightly to ease the stretch. Repeat another 5 times going further each time.



- Managing Swelling
 It is important to try and lessen the swelling around your knee. After exercising your knee is a good time.

 It down with your leg elevated, but knee straight.

 Place ice into a plastic bag wrapped in two layers of towelling. Apply for 20 mins every two hours or as needed.

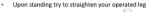
 Remove ice early if it becomes painful.

 It is important to keep your operated leg elevated either on a stool when sitting, or with pillows under your calf in lying if swelling is a problem.
- Use Tubigrip (compression bandage) when needed.

Knee Exercise after Surgery

Sit to Stand

- Slide the operated leg underneath you to a comfortable
- bent position. Try to keep your weight even on both legs (if you can)
- This should improve over time after your operation. Stand up from a chair, use hand if needed but try to reduce
- hand use, as able. Upon standing try to straighten your operated leg.





Other Exercise

- It is ok to take your full weight and start walking straight after the operation. As a general guide, you should build up your walking gradually over the first few weeks.
- Some people find exercising in water useful after knee replacement. This shouldn't start until your wound has healed.
- A stationary bike or pedals can also be helpful after knee replacement.
- Chat to your Physiotherapist about the right type and amount of exercise

Everyone's recovery following knee replacement is unique. Some people will require very little Physiotherapy or follow up. Other people may benefit from a short period of supervised sym-based exercise or hydrotherapy. Your Physiotherapist will discuss these options with you.

Other Knee Exercises

Additional Exercises that may be part of your recovery (as guided by your Physio)

Calf stretch

Call stretch
Stand with your operated leg
out behind and your other
leg forward, with both feet
facing forwards. Shift your
weight over your front leg
with your knee bent, and
push the heel of back foot
into the floor. You should into the floor. You should feel a stretch in your calf



Stand holding onto support. Lift your heels off the ground as far as you can go.

Do this exercise slowly.



Squats
With your hand holding onto a bench, slowly bend your knees. You need to keep your thigh muscles tight and your knees in line with your toes. It is also important that your weight is evenly distributed.

Step ups
Stand in front of a small step (or stairs) and hold onto a support. Place both feet shoulder width apart with toes facing forwards. Step up onto the step with operated leg first making sure the knee and toes point forwards. Then step down with non operated leg.



Knee Replacement Surgery Recovery Principles

Set Backs

It is normal to experience a few set backs in the early recovery (1-3 months) following a knee replacement.

Most of the time an increase in your symptoms (pain or swelling) does not mean that you have done anything wrong or that there is anything wrong with your new knee.

If you are experiencing a set back or flare up of your symptoms DON'T PANIC !

Do:

Talk to your Specialist or Physiotherapist about any worries or concerns you have. Keep MOVING but take it a bit easy for a few days.

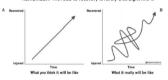
Try to get back to MEANINGFUL and SOCIAL ACTIVITIES that you enjoy as soon as possible after your operation. This will assist your recovery.

Try to get a good night's SLEEP. Sleep is an important part of your recovery, if your symptoms are stopping you from sleeping for a prolonged period talk to you Doctor. Talk about any FEARS or WORRIES you are having with a supportive family member or friend, or your health care provider.

Sometimes during our RECOVERY period, we need to POKE INTO PAIN a little bit, other times we need to GIVE OURSELVES A BREAK, REST and allow things time to settle down.

Your PHYSIOTHERAPIST can help work out a plan that works for your needs.

REMEMBER: The road to recovery is rarely a straight line ...



Notes

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Wagga Base Hospital Total Hip Replacement Patient leaflet Same Day Discharge Total Hip Replacement Surgery

Your surgeon feels you are an appropriate patient for our same day discharge hip replacement program. Our goals in this journey are the same as yours: to relieve your joint pain and return you to an active lifestyle rapidly, comfortably and safely.

Less invasive surgery and improvement in pain management has made same day discharge after hip replacement safe for selected patients and is becoming common around the world. By mobilising within a few hours of surgery this program decreases risks such as deep venous thrombosis and allows patients to recovery in their home with their family once they are safely mobilising.

Patients appropriate for this program will:

- Be motivated and physically fit to actively participate with the team working toward your accelerated recovery
- Have a designated support person who can stay with you for the first few days when you return home.
- Be undergoing a primary single sided hip replacement
- Have no significant cardiac or respiratory conditions
- <80 years of age and live within 100km from Wagga
- No conditions or circumstances that preclude same-day discharge.

Prior to Surgery:

At preadmission clinic we will ensure you have made all the arrangements at home that you will need upon discharge. We will need to arrange the purchase of crutches and instruct you on how to use them so that you can practice prior to surgery.

During Surgery:

The type of anaesthetic chosen will be tailored to you, but you are likely to have a short acting spinal anaesthetic with mild sedation to optimize pain control during the procedure.

After Surgery:

You will be encouraged to mobilise shortly after the spinal has worn off and are allowed to take as much weight as you can tolerate through the surgical leg. Our team will teach you how to safely get in and out of bed. Initially, you will require a walking aid such as crutches or a cane which we will show you how to use. If you have stairs in your home, you will be

shown the correct technique to safely negotiate them. As your walking improves, you may stop using the aids at any time.

Going home:

It is anticipated that you will be discharged home the day of your surgery. You will need to be comfortable, safely mobilizing and be cleared by both your physiotherapist and surgeon. You will not be allowed to drive for 4 weeks after surgery and will need to arrange for your support person to take you home the afternoon of your surgery.

Your Incision:

There will be a waterproof dressing covering your wound. Do not disturb the dressing until it is reviewed at your 2-week follow-up. You may shower the day after surgery. Do not use a bath or spa for 4 weeks.

Further information

- Northern Sydney Local Health District Clinical Pathway AdvaNSYD, Education Booklet: Advanced Recovery for joint replacement in Northern Sydney
- Patient Roadmap: Preparing for joint replacement surgery and return home
- Patient Recovery Guide
- AdvaNSYD Pathway- Preparing for joint replacement surgery