

**A Patient's Guide to:**

# Total Hip Replacement

Presented with the compliments of The Horder Centre  
for your Enhanced Recovery



Supporting your  
**ENHANCED RECOVERY**

Please ensure that you bring this guide book  
with you each time you visit the hospital.

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# 1 INTRODUCTION

This guide book has been written and designed by the clinical team in partnership with patients to provide you and your support network with all the necessary information about having a hip replacement and your rehabilitation afterwards.

Please ensure that you read through this booklet thoroughly as it is an essential tool to guiding you through your recovery. It will inform you on how to prepare for your surgery, what to expect during your stay in hospital and how to make the most out of your recovery. Please encourage those who will be supporting you throughout your recovery to read through this booklet as well so they will have an idea about the care you will be receiving.

We aim to assist you to make a speedy recovery and return to the activities you enjoy through our enhanced recovery programme. One of the most important influences on your recovery is your participation. Following this guide and the advice you are given by Horder Healthcare staff will help you in achieving the best outcome following surgery. Your rehabilitation will be aimed at your individual needs and treatment can vary person to person.

If you need clarification or have questions for which you are unable to find the answers in this book, please do not hesitate to ask a member of the team.

## ENHANCED RECOVERY

Horder Healthcare has successfully adopted enhanced recovery principles for a number of years and we are always looking for ways to improve a patient's recovery.

The aim of the enhanced recovery programme is to promote health and improve the experience and wellbeing of people requiring major surgery by assisting them to return to full mobility as quickly as possible. There is a great deal of research around enhanced recovery after joint replacement surgery and it has been identified that the sooner patients get out of bed, begin to exercise and walk, start eating and drinking, the quicker the recovery.

### THE 4 KEY ELEMENTS OF THE ENHANCED RECOVERY ARE -

- **Optimising preoperative preparation** - Ensuring that patients are as healthy as possible before surgery and that patients have been given the right education and information to manage expectations after their operation.
- **Intraoperative** - Providing patients with innovative, high quality surgery that is minimally invasive.
- **Postoperative** - Early return to eating, drinking and mobility with early physiotherapy intervention. Good pain management and avoidance of post operative complications.
- **Discharge** - Discharge is planned prior to admission. Early return to mobility, independent management of daily activities and hobbies is encouraged.

## PATIENT QUESTIONNAIRES

### **Patient reported outcome measures (PROMs)**

All patients are asked about their health and quality of life before they have an operation and at six months after surgery.

The aim is to assess the effectiveness of the operation and therefore improve outcomes for patients. This is called PROMs (Patient Reported Outcome Measures). You will be asked to fill in a short questionnaire and consent form at your pre-admission appointment and then you will receive the second questionnaire by post six months after your surgery.

For NHS patients your details will be held by the NHS Information Centre and be used to report upon and improve NHS services. For private patients your details will be held by the Private Healthcare Information Network (PHIN) and will be used to improve private healthcare services and bring standards of data quality and transparency in line with the NHS.

Details of the feedback can be seen on our website [www.horderhealthcare.co.uk](http://www.horderhealthcare.co.uk) or in your welcome pack, which you will find by your bed when you are admitted.

### **Do I have to take part?**

Your help would be greatly appreciated, but it is not compulsory. If you do not wish to take part, do not complete the questionnaire.

### **Do I have to give my consent to participate?**

We do need your consent for your personal details to be used, and there is a consent form in the questionnaire that you will be given. Your personal details will be held in accordance with the Data Protection Act, so that you can be sent the second questionnaire six months later.

## **Can I change my mind?**

Yes, up to the point where the data is analysed and personal details removed. Withdrawing your information will not affect your medical or legal rights in any way. You can do so by contacting the PROMs team by any of the contact methods below.

## **Will my personal details be safe?**

Published reports will not contain any personal details. The handling and storage of personal information will be undertaken to the very highest standards.

## **Contact and further information**

### **NHS PROMs:**

Telephone: 0300 311 22 33

Website: [www.nhs.uk/proms](http://www.nhs.uk/proms)

### **PHIN:**

Telephone: 020 7307 2862

Website: [www.phin.org.uk](http://www.phin.org.uk)

## **Patient Satisfaction Questionnaires**

Whilst in hospital, a member of the team will provide you with a Horder Healthcare Patient Satisfaction Questionnaire. This is not a compulsory questionnaire but it does allow us to constantly review our service to patients and we really would appreciate your feedback. You will be given the questionnaire during your stay to fill out and it will be collected upon discharge. However if you wish to complete the questionnaire at home, we will provide you with a prepaid envelope.

**THANK YOU FOR YOUR HELP**

## 2 INFORMATION

### ABOUT YOUR HIP REPLACEMENT

The hip is a ball and socket synovial joint formed between the acetabulum (socket) of the pelvis and the head of the femur (ball at the end of the thigh bone). It is one of the most important joints as it supports our body weight and allows us to walk.

A healthy hip joint has smooth cartilage that covers the ends of the bones. This cartilage allows the bones to glide smoothly together. The hip is surrounded by muscles which provide movement, and ligaments that provide both strength and support for the hip, allowing the hip a great amount of movement.

### WHAT IS ARTHRITIS?

Arthritis simply means inflammation of the joints. There are many different forms of arthritis the most common being osteoarthritis. In osteoarthritis several joints can be affected most commonly the hips and knees.

Osteoarthritis develops when changes in cartilage occurs caused by wear and tear. This then affects how the joints work and can cause the joint to become stiff and painful to move. Sometimes part of the cartilage can break away from the bone leaving the bone ends exposed. Bones may then rub against each other and the ligaments become strained and weakened. This causes a lot of pain and changes the shape of the joint. The symptoms of arthritis can vary depending on the degree and area of wear.



*Healthy Hip Joint*

*Osteoarthritis*

There are other types of arthritis such as rheumatoid arthritis which can cause a person to require a joint replacement.

Arthritis is not just a disease of older people, it can affect people of all ages. It is not clear what causes arthritis but there is plenty you can do to manage your condition, enabling a full and active life.

## **WHEN IS A HIP REPLACEMENT RECOMMENDED?**

- You have significant persisting pain throughout the day
- Your activities of daily living are severely restricted
- Pain from your hip regularly disturbs your sleep
- Your symptoms are not relieved by conservative or alternative treatments

## **CONSERVATIVE / ALTERNATIVE TREATMENT**

- The use of analgesics (painkillers) to help control pain
- The use of walking aids (walking sticks, crutches, frames) to aid mobility
- Physiotherapy and exercise to reduce stiffness and strengthen weakened muscles
- Weight loss (if appropriate)
- Diet supplements such as glucosamine and cod liver oil may relieve symptoms
- Steroid injections can sometimes reduce pain and stiffness for several months

Arthritis of your hip usually, though not always, gets worse with time. Arthritis is not life threatening but in itself can be disabling. Arthritis symptoms and relieving factors can be different for each individual.

## WHAT IS A HIP REPLACEMENT?

A total hip replacement is a surgical procedure for replacing the hip joint. During the operation the damaged hip joint is removed and is replaced with an artificial joint. This comprises of a metal alloy stem with either a metal or ceramic head and a metal alloy socket lined with either a ceramic or polyethylene liner.

Some prostheses are secured in the bone with bone cement, whereas others have a special coating that promotes bone growth (hydroxyapatite), which binds with the bone and does not require cement or fixation.

The total hip replacement operation is designed to relieve pain, reduce stiffness and improve your ability to walk.

## THE AIM OF A HIP REPLACEMENT IS TO:

- Provide pain relief
- Allow you to walk a good distance again
- Correct deformity i.e. improve the alignment of your leg
- Relieve symptoms such as giving way and locking
- Improve your quality of life

## 3 RISK OF A HIP REPLACEMENT

As with any surgery, hip replacement surgery has risks as well as benefits. Most people who have a hip replacement do not experience any serious complications. The healthcare team will try to make the operation as safe as possible but complications can happen.

Please speak to your consultant if there is anything you do not understand or would like further clarity.

### **RISKS RELATED TO SURGERY - ANAESTHETIC**

Anaesthetics are extremely safe, but carry a risk of minor side effects such as sickness and confusion (usually temporary). There is also a slight risk of serious complications.

The risk of death in a healthy person having routine surgery is very small.

The risk is higher if you are older or have other health conditions, such as heart or lung disease.

Your anaesthetist and surgeon can answer questions you may have about your personal risks from anaesthetic or the surgery itself.

### **GENERAL**

Complications may occur in rare instances, but most are minor and can be successfully treated. Possible complications are described below.

- **Pain** - For most people, pain gradually eases during the first few months after surgery. However, some people have ongoing pain or develop new types of pain. This isn't always

caused by a technical fault or recognisable complication, and therefore it cannot be fixed by a repeat operation. This complication is known as complex regional pain syndrome.

- Hip dislocation - In around 3% of hip replacement cases the joint dislocates. This is most likely to occur within the first few weeks of surgery which is why it is advised that extremes of movement are avoided. Where dislocations occur further surgery is required to put the hip joint back into place.
- Wear and tear of the joint - the artificial elements of the hip joint can wear over time.
- An unstable joint - the replacement parts of your hip replacement could become loose over time.
- Delayed wound healing
- Joint stiffening - The soft tissues surrounding the hip joint can become stiff and inflexible affecting mobility of the joint.
- Bleeding during or after your operation. You may require a blood transfusion.
- Infection - this is usually treated with antibiotics, but occasionally the wound can become deeply infected and require further surgery; in rare cases it may require replacement of the artificial hip joint.
- Excess scar tissue forming and restricting movement of the hip – further surgery may be able to remove this and restore movement.
- Difficulty passing urine - You may require a catheter during the initial stages of your recovery if you have trouble passing urine. There are specific risks related to having a catheter these will be explained to you if you require a catheter.
- Blood clots in the leg or deep vein thrombosis (DVT) – clots can form in the leg veins as a result of reduced movement in the legs during the first few weeks after surgery. Your risk will be

minimised by using special support stockings, starting to walk or exercise soon after surgery, and by using anticoagulant medicines.

- Blood clots in the lungs or Pulmonary Embolism (PE) - Occurs if a blood clot moves through your bloodstream and to your lungs. If symptoms occur emergency investigation is required.
- Chest infection - This is usually treated with a course of antibiotics and if appropriate chest physiotherapy. Early breathing exercises should be completed as a preventative treatment.
- Post operative nausea and vomiting: analgesia or anaesthetic-related.
- Bowel obstruction which may require further surgery
- Heart attack
- Death
- Stroke
- Haematoma - unexpected bleeding into the tissues surrounding the hip that can cause pain and restrictions in movement temporarily.
- Fracture of the bone - There is a small chance of a fracture occurring during your hip replacement surgery. If this occurs it may lengthen your recovery period.
- Leg length discrepancy - Consultants take steps to avoid the problem but occasionally a hip replacement can make one leg longer than the other. This can be caused by contracture of muscles surrounding the hip which can be relieved with exercise and improved mobility.
- Ligament, tendon, artery or nerve damage in or around the hip joint.

- Allergic reaction – you may have an allergic reaction to medications or products used.
- Constipation - A combination of inactivity and pain medication can cause constipation. To help avoid constipation drink plenty of fluids and eat foods rich in fibre. You will be prescribed medication to help your bowel movements.

## REDUCING THE RISK

We are constantly striving to minimise the risk of hip surgery while you are in hospital and there are certain things that you can do to help reduce risks associated with your surgery:

- Ensure that you give us a clear picture of your current health, home situation and medical history when filling out your health questionnaire prior to your pre assessment appointment and whilst speaking to the team during your preoperative assessment.
- Keep mobile, eat a healthy diet, stay hydrated and cut down or stop smoking and alcohol consumption.
- Good personal hygiene and follow wound care instructions given to you with minimal intervention with any wound dressings.
- Whilst in hospital communicate with the team about how you are feeling.
- Take all your medication as prescribed and for the full course of treatment.
- Manage rest and exercises to suit your body - ensure you are keeping the joint mobile but allow your body enough recovery time.

# 4 PREPARATION PRIOR TO SURGERY

## **GETTING READY FOR AN OPERATION**

Patients who plan ahead have a better hip replacement experience. There is a host of things you can do to aid your rehabilitation following a hip replacement. This section of the booklet will guide you through the pre operation process at Horder Healthcare and advise you on how to best prepare for your surgery.

### **Pre-admission Clinic**

You will be required to attend a pre admission clinic appointment before having surgery. Please ensure that you have completed your patient questionnaire prior to this appointment with as much information as possible. At this appointment, the clinical staff will assess your general health and discuss any individual risks to surgery and the anaesthetic that you may have. If deemed necessary, you will be seen by an anaesthetist prior to your surgery.

We need to ensure that you are generally fit and well enough to be able to cope with the operation. Certain tests and investigations may be carried out such as specific blood tests and general observations of blood pressure, pulse and oxygen levels.

Any abnormalities will be shared with you at the time and in certain circumstances, it may be necessary for you to have further assessments or treatment with your general practitioner (GP) before surgery can occur. Depending on the findings, this may mean that your surgery is delayed and some conditions may make it inappropriate to have surgery at Horder Healthcare.

## Joint school

During your pre assessment appointment you will be booked in to attend an educational joint school. Joint school is a group session where one of the therapy team will give you an informative presentation and an opportunity to ask any questions you may have in a relaxed setting. You will attend the joint school with others who are also having joint replacement surgery. You are encouraged to attend with a 'coach,' a friend or relative who will be able to motivate and encourage you in your recovery.

## National Joint Registry (NJR)

You will be asked to sign a consent form for the National Joint Registry (NJR). The NJR is a national body that keeps a record of all types of artificial joints used. It is very important that you read and sign this form as the data used by the NJR helps to identify the best performing artificial joints and the most effective types of surgery. You can find out more information on the NJR by visiting their website [www.njrcentre.org.uk](http://www.njrcentre.org.uk)

## PREPARING YOURSELF FOR SURGERY

### Be positive and set goals

Going through hip replacement surgery can be a daunting process. At times the rehabilitation process can be challenging both physically and emotionally so ensure that you have good support in place and have prepared yourself as much as possible before surgery. Some people find it useful to write a diary/ log of their journey whilst others like to stay in touch with other patients they met whilst in hospital.

One of the most important things to remember about having a hip replacement is that you are making a lifetime commitment to your physical health. Be patient and positive with your recovery - remember everyone is different and what is right and normal for you will not be for the next person.

Setting yourself regular goals throughout your journey will aid your rehabilitation. We recommend that you set yourself a weekly goal to aim for - these should be based on your normal daily activities but also your hobbies and things that you enjoy. In preparation we recommend that you make a list of things that you want to get back to after the operation, these can then be discussed with the therapy team whilst you are in hospital to give you an idea on timelines.

## **Eating**

Prior to your surgery, we advise that you eat a well-balanced diet eating plenty of fresh fruit and vegetables to aid your recovery. Ensure that you eat sufficient protein as this will help your body heal and fight infection after surgery. Make sure you include iron in your diet. Eating well will help you feel at your best and recover sooner after surgery. If you are overweight, it would be of benefit to you to lose some weight prior to your operation. If you would like help with losing weight please speak to your GP.

## **Keep hydrated**

Ensure that you keep yourself well hydrated before and after your operation as it assists with healing and prevents complications. It is recommended that you drink 2 litres of water a day.

You will be asked to telephone in the day before surgery, during this phone call a member of the team will advise you when to stop eating and drinking.

## **Smoking**

Smoking is actively discouraged, particularly prior to and immediately after surgery, as this can add to complications of surgery. You may find it helpful to discuss giving up smoking with your GP or practice nurse. Smoking is not allowed within the hospital building and only in designated smoking areas.

Please see the hospital "stop smoking before your operation" leaflet for further information

## Alcohol

You should try to reduce alcohol consumption in the weeks leading up to your operation as this can reduce the risk of developing complications. If you drink regularly or drink large quantities of alcohol we recommend that you speak to your GP before suddenly stopping alcohol. We ask that you do not drink 48 hours before the day of your operation.

## Health

If we were to operate on you when you had an infection, for example a mouth ulcer, the infection could travel through your body in your blood stream and enter the joint and cause problems. It is very important that you have such problems treated straight away - please visit your GP or dentist if you have concerns and be sure to keep us updated at Horder Healthcare. Wounds and scratches could potentially lead to your operation being cancelled, so please take care of yourself in the weeks leading up to your operation.

## Exercise

Please continue with any exercises or activities that you are comfortable doing in the lead up to your operation. Please see page 59 for your rehabilitation exercises. These exercises are designed to prepare you for your operation and recovery after.

## Discharge planning

It is vitally important that your home situation is suitable for you whilst you are recovering from a hip replacement and that you have the right support in place. Most patients are discharged from the ward 2 days after their operation though this is dependent upon recovery. It is important that you take the following steps prior to your operation to ensure that you are well prepared for discharge.

## Preparing support

It is important that you ask a family member, friend or caregiver to support you throughout your hip replacement journey. You will require day to day support with things like shopping, meals, driving to appointments etc. The amount of support required following discharge varies person to person - you will not be discharged from the hospital unless it is deemed that you are both medically and physically fit enough to do so. To ensure that there is no delay to your operation date or discharge it is **your** responsibility to ensure that you have the right support in place prior to your operation. If you have concerns about how you will manage at home please speak to a member of the therapy team who will be able to advise you further. If you are normally the carer for someone else, please ensure that you have set up sufficient support for them prior to coming into hospital. Please be aware that you may not be able to physically help someone else for the first 6 weeks.

## Preparing transport

Please ensure that you have made transport plans for all your appointments, your admission and discharge. If you are unable to arrange your own transport please contact your hospital as we have transport services available (charges may apply).

## Preparing your home

You need to make sure that you have prepared your home environment prior to your operation so it is well set up for your return after your operation. The therapy team will assess your equipment needs throughout your journey, if you need any equipment for your home this will be provided to you. We advise you do the following –

- **Declutter** - following a hip replacement space in your home is key to safety. Ensure that there is enough space to move around your home using walking aids, this may mean moving furniture prior to surgery.

- Remove trip hazards - Remove rugs, placing electrical cords and wires out of the way and remove any other items on the floor that have the potential for you to trip over.
- Ensure that you have a suitable chair to rest in - the chair needs to be sturdy with solid arms and back that is comfortable. We recommend that you have somewhere to place the items you will need regularly (phone, glasses, remote controls, medications, water) within easy reach.
- Ensure that your bed is a suitable height - You should be able to comfortably get in and out of bed. If your bed is the wrong height you could be putting yourself at risk. If you are unsure if your bed is a suitable height please bring the height measurement of your bed into your pre assessment clinic and discuss with the therapy team.
- Ensure you have easy to prepare meals stocked up - we recommend planning meals that are easy to prepare for the first couple of weeks after your operation.
- Shopping - Ensure that your home is well stocked with all the essentials to limit the amount of shopping that will be required in the initial stages of recovery
- Work out how you will carry things around your home - When using walking aids simple tasks like carrying an item from one place to another can become difficult. Some patients have found the use of a small bag or backpack very useful.
- Ensure that your bathroom is well set up - we recommend non slip mats for the shower, remove bath mats and clutter in your bathroom.
- Make sure everything you need is in reach so you will not have to go onto your tip toes or have to bend down low.
- Ensure there is good lighting throughout your home.

- If you go to the toilet at night ensure your pathway can be kept clear and that there is good lighting.
- Housework - Ensure that you have completed all household chores (cleaning, vacuuming, cut the grass etc) prior to coming into hospital.
- Pets - Ensure you have made arrangements for your pets to be looked after prior to coming into hospital.

**Please contact the pre assessment team if you develop any of the following (however mildly) before your operation:**

- Cold, flu or chest infection
- Cough, sore throat or ear ache
- Problems passing urine (burning or unpleasant smell)
- Any broken skin, insect bites, red inflamed spots, infected hair follicles, blisters, leg ulcers or any other suspicious skin lesions

Or if

- You require any urgent dental work
- You sustain an injury
- You have started antibiotics for any reason
- There is any change to your general health since pre assessment
- Your personal circumstances change that affects your support on discharge

Pre assessment team at **The Horder Centre** - 01892 600811

Pre assessment team at **The McIndoe Centre** - 01342 330314

## Vena Puncture clinic

A few days prior to your surgery, you will be invited in to attend a blood test clinic. During this visit you will have a blood sample taken determine your blood group. Please speak to staff if you have any last minute concerns prior to your operation.

## What to bring in to hospital

- Nightwear (no silk and only light dressing gowns)
- Loose comfortable clothing
- Underwear
- Toiletries (soap, flannels x2, toothbrush, toothpaste)
- Mobility aids already in use (sticks, crutches etc)   
please make sure they are in good working order
- Supportive footwear with backs
- Entertainment (book, iPad etc)
- All medications you currently take- in their original boxes
- Dressing aids if you have them   
(long handled shoe horn, grabber etc)
- Glasses, hearing aids and dentures if appropriate
- Your favourite snacks

*Please do not bring the following*

Valuables

Jewellery

Large sums of money

Large bags - You will only be with us for a few days  
please try not to over pack

Unsuitable shoes - flip flops, shoes without backs

Silk clothing

## BEFORE YOU COME INTO HOSPITAL

### The day before your surgery

We ask that you call the hospital on the numbers below the day before your surgery to confirm what time you need to come in to hospital and to give you specific advice on when you must stop eating and drinking. If you are having your surgery at The Horder Centre, please call between 5.00pm - 7.00pm Mon - Fri. If your admission is on a Monday please call on Sat 9.00am - 12.00pm. If you are having your surgery at The McIndoe Centre please call between 2pm - 4pm.

The Horder Centre **01892 600828**

The McIndoe Centre **01342 330323**

Please have a shower the evening before and also the morning of your operation. This is part of your preparation for surgery as it may help to reduce the potential risk of infection.

Before having an operation it is normal to have a fasting time (eating and drinking), this is to avoid important anaesthetic complications so it is vital that you ensure you have understood and adhere to the instructions that you are given. Please continue eating and drinking up until your fasting time - if you fast for too long this can have a detrimental effect on your recovery.

# 5 HOSPITAL STAY

## ADMISSION

The day you are admitted to hospital will be the day of your operation.

When you arrive at the hospital please report to main reception where you will then be shown to the admissions unit. You will be seen prior to surgery by various members of staff who will help prepare you for the operation and complete checks to ensure you are fit for surgery.

The medications that you normally take at home will be checked, counted and recorded by the nurse on admission. The doctor will prescribe these on your drug chart and any further drugs that you might need whilst in hospital. This usually consists of anti-sickness medication, antibiotics and analgesia (painkillers). Either a nurse or a pharmacist will check your drug chart and dispense any new medications prescribed.

## ANAESTHETIC

You will normally see your anaesthetist prior to surgery to discuss your anaesthetic options.

Decisions regarding your anaesthesia are tailored to your personal needs. These may include:

### General anaesthesia

A general anaesthetic gives a state of controlled unconsciousness during which you feel nothing, but may be associated with some risks. Your anaesthetist can discuss this.

### Sedation

Depending upon the dose given this can range from feeling relaxed and mildly drowsy with some degree of memory of being in theatre to sleeping with no recollection.

The dose will be tailored to your needs with the aim to achieve safety and the level of sedation you are happy with and give you a positive experience in theatre.

Noise etc may alter your level of sedation. If this bothers you we can give more sedation.

Sedation is commonly used in conjunction with a spinal anaesthetic (see below).

## **LOCAL/REGIONAL ANAESTHETIC TECHNIQUES**

### **Spinal Anaesthetic**

This is an injection in the small of your back (similar to an epidural) which makes your lower body profoundly numb from about the waist downwards. It provides complete pain relief during the operation and for several hours post-operatively. It will also inhibit movement and make your legs feel quite heavy. This should wear off a few hours after the operation.

This technique can be used as a sole anaesthetic or in combination with sedation or a general anaesthetic (See combinations below).

A spinal anaesthetic is the most frequently used type of anaesthetic for hip replacement at the Horder Centre.

### **A Nerve Block**

This is an injection of local anaesthetic near to the nerves which go to your leg.

Part of your leg should feel numb and this provides pain relief for some hours after the operation. This injection may inhibit movement as well and the effect should wear off by the next day.

This technique will always require a general anaesthetic as well.

## **Local Infiltration**

Local anaesthesia may be injected directly into the area being operated on by the surgeon. This adds additional pain relief for the postoperative period.

## **A combination of Anaesthetics**

You may be offered a combination of these anaesthetic techniques for pain relief both during and after surgery

## **Spinal + Sedation**

This combines the benefits of the spinal anaesthetic and drowsiness of sedation such that you can doze through your operation. The level of sedation can be tailored to your needs. This technique usually leaves you less groggy afterwards and reduces your risk of feeling sick postoperatively.

## **Spinal + General Anaesthetic**

This combination may be offered instead of spinal/sedation above. Although this means you will be unconscious throughout, it carries a higher risk compared with sedation.

## **General Anaesthetic + Nerve Block**

This combination may be offered if a spinal anaesthetic is deemed unsuitable for you.

## **WILL I HAVE ANY SIDE EFFECTS?**

Your anaesthetist will discuss the risks and benefits associated with the different anaesthetic options, as well as any complications or side effects that can occur with each type of anaesthetic. Nausea or vomiting may be related to anaesthesia or the type of surgical procedure. Although it is less of a problem today because of improved anaesthetic agents and techniques, these side effects continue to occur for some patients. Medications to treat nausea

and vomiting will be given if needed. The amount of discomfort you experience will depend on several factors, especially the type of surgery. Your doctors and nurses can relieve pain with medications but it is important that you take pain relief as soon as advised because it is easier to keep pain at bay rather than try to reduce it once it has reached an intolerable level. Your discomfort should be tolerable, but do not expect to be totally pain-free. The staff will teach you the pain scale (0 -10) to assess your pain level.

## **THE OPERATION**

### **Immediately before surgery**

You will be collected from your room and encouraged to walk to theatre. Assistance will be given if you are unable to walk. Before you enter theatre you are seen by the anaesthetist again in the anaesthetic room where the appropriate anaesthetic, as previously discussed between you and the anaesthetist, is administered.

### **During surgery**

The theatre team will be wearing specialist clothing and working under a state of the art special airflow system to minimise chances of infection. In the operating room, the anaesthetist will manage vital functions, including heart rate and rhythm, blood pressure, body temperature and breathing. The anaesthetist is also responsible for fluid and blood replacement when necessary.

### **The operation involves -**

- Making an incision (cut) over your hip. The size depends on both the complexity of your operation, as well as your physical size.
- Muscles and other soft tissue structures are moved to the side to allow access to the hip joint (if required small incisions will be made into the soft tissue to allow this movement).
- The worn out parts of your hip are removed and replaced with the artificial joint.

- The artificial joint may be fixed in place with bone cement, depending on the type and style of implants used.
- The surgeon will mobilise your hip to ensure the artificial joint is working correctly and that the alignment, sizing and positioning is suitable.
- The incision is then closed with stitches/ clips or glue.
- The wound is then covered with a dressing.

## **BLOOD TRANSFUSION**

Like all medical treatments, a blood transfusion should only be used when really necessary. The decision to give a blood transfusion to a patient is made only after careful consideration. In making that decision, the clinical team will balance the risk of you having a blood transfusion against the risk of you not having one. At pre assessment you will be given a NHS blood and transplant patient information leaflet which contains more information about blood transfusions - please refer to this leaflet. If you do require a blood transfusion after your operation or have received a blood transfusion during your surgery, the clinical team will discuss this with you in further detail.

## **AFTER SURGERY**

After surgery, you will be taken to the recovery room where pain control will be established and your vital signs monitored. To keep the blood circulating in your legs, which helps to prevent blood clots from forming, foot pumps and knee length stockings are used as soon as the surgery is complete.

You can also help this process by moving your feet, ankles and legs as soon as you are able to do so.

The clinical staff will continue to monitor your general observations until they are happy that you are ready to return to your room on the ward.

When you are medically well enough, you will be transferred from the recovery room to your own room on the ward where you will meet the ward staff including Nurses, Health Care Assistants, the Resident Medical Officer, Physiotherapists and Therapy Assistants who will all be on hand to assist you with your recovery.

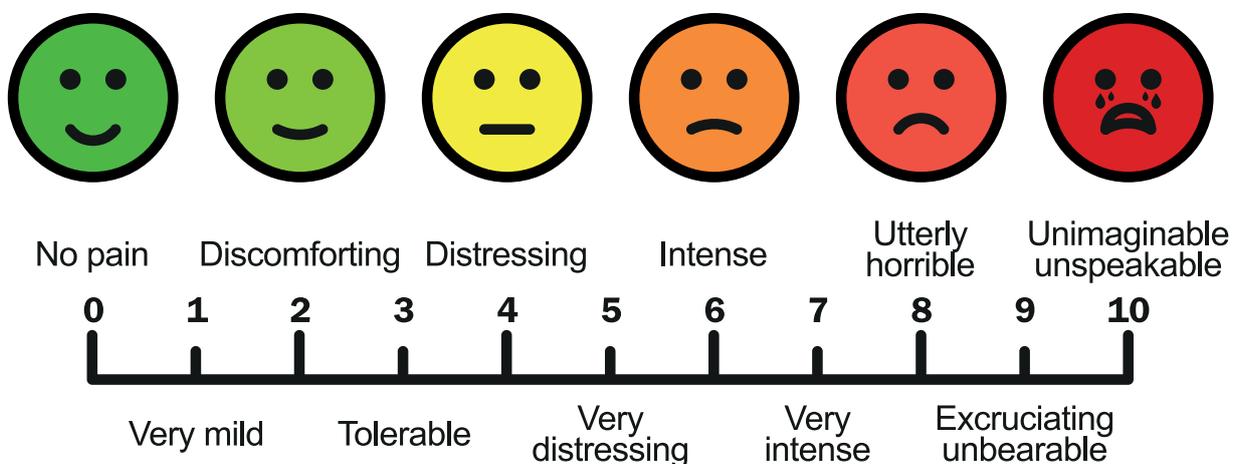
## **DIETARY REQUIREMENT**

You will have a choice of meals to select from. However, if you have special preferences or special dietary needs, please let a member of staff know in order for us to ensure that this is catered for.

## 6 MANAGEMENT OF PAIN FOLLOWING YOUR SURGERY

A varying level of pain can occur for several weeks after your hip replacement. The amount of pain you will experience following your surgery is determined by a multitude of factors and varies greatly from person to person. Whilst you are in hospital, the team will focus on managing your pain so you are able to actively participate in your rehabilitation process. Your discomfort should be made tolerable but it is very rare to be completely pain free. Managing your pain relief effectively is an essential part of your care.

The clinical team will prescribe pain medication for you and review this with you throughout your stay. It is important that you discuss your pain levels with the nursing team so they are able to effectively manage your pain. Prevention or early treatment of pain is far more effective than trying to treat established or severe pain. At regular intervals you will be asked to score your pain on a scale of 0 -10. Please refer to the scale below for guidance.



Pain relief is available in different forms and strengths. The clinical team will work with you to establish the right pain relief combination for you. Pain relief can be given in tablet form orally, intravenously through a drip in your hand, through injections into a muscle or vein or by suppository which is inserted into the rectum.

Effective pain control is achieved by taking painkillers regularly. Some patients wish to avoid pain relief as they are concerned about the side effects however the detriment of not taking pain relief when you are in pain outweighs the risk of side effects.

Side effects may include:

- **nausea and vomiting**
- **constipation**
- **headache**
- **dizziness**
- **fainting**
- **feeling sleepy and sometimes**
- **mild confusion**

These side effects can be reduced with anti-sickness drugs, plenty of fluids, laxatives and rest. Please let the nurses know if you feel any of these side effects.

If you are taking other medications or have had a reaction to a medication in the past, please let us know.

## **MANAGING PAIN AT HOME**

Pain should decrease throughout your stay in hospital but once you return home you will need to actively take steps to manage your pain. Swelling can cause discomfort that can last several weeks but decreases as you become more mobile. Bruising which can cause tenderness is normally apparent for the first few weeks.

Pain, swelling and bruising are all a normal part of the healing process after a hip replacement. However there are ways to manage pain to ease your recovery.

There are **5 keys steps** you need to take to reduce the pain you experience –

- 1. Medicate** - You will be prescribed painkillers to take home with you to cover the initial stages of your recovery. Continue pain relief as required, take them as directed and do not exceed the stated dose. Further supplies can be obtained from your GP or your local pharmacy.
- 2. Rest** - Hip replacement surgery takes a large toll on your body. Successful recovery is influenced by finding the right balance of rest and exercise, this is different for everyone. Swelling and pain can be linked to over activity. In the initial stages you will be resting for longer periods, as you start to recover you rest times should decrease. We recommend that you rest in a chair but in the initial recovery stage it is okay to take a short rest on the bed a couple of times a day if you feel you need to. If you do not get adequate rest your pain can worsen.
- 3. Move** - Whilst rest is important this must be balanced with movement, either completing exercises or walking. It is recommended that at least once an hour one of these activities should be completed. Movement is vital to decreasing the risk of complications and progressing your recovery as well as decreasing pain. If you stay in one position for too long you can become very stiff and uncomfortable and it can become difficult to move again - this can be avoided by regular movement.
- 4. Ice** - Using ice can help with pain management following hip replacement surgery. Ice reduces pain by preventing and reducing swelling, reducing bleeding into the tissues, reducing muscle pain and spasms as well as causing a numbing effect to the area. Please see page 41 for further advice on how to use ice.

**5. Elevate** - Elevating your legs aids circulation and reduces swelling and pressure. When elevating your legs on the bed, aim to have your feet higher than your hips by resting your legs on pillows/blankets. When elevating your legs in a chair use a secure footstool and if possible vary the level of elevation by adding and taking away cushions.

# 7 DAY OF YOUR OPERATION

## **What to expect:**

After the operation you can expect to feel drowsy for a while. You may have a drain from the operation site. Pain relief will initially be given through a cannula, which is inserted into the back of your hand. You will receive oxygen either through a face mask or through your nose until it is no longer required. The nursing team will need to monitor your observations regularly. This will include taking your blood pressure, pulse, temperature, monitoring your pain score, respiration rate and oxygen saturation. These will continue into the night so please be prepared, as we may need to wake you through your first night with us.

You can normally eat and drink after the operation as soon as you feel well enough to do so. You should begin your exercises as soon as you can after the operation. Once you have been back on the ward for a few hours a member of the nursing or therapy team will come to get you out of bed and encourage you to mobilise.

## **Goals:**

1. Complete exercises 1-5 (see pages 59-61)
2. To transfer from the bed with clinical staff if well enough to do so

## **DAY 1 AFTER SURGERY**

### **What to expect:**

Each morning the Resident Medical Officer will complete a ward round with the nurse looking after you to discuss your progress. During that first morning any drips and drains will be removed. Where appropriate you will be given blood thinning medication, painkillers and antibiotics. The nursing team will monitor your observations, wound and dressing (dressings will only be changed where necessary).

We encourage all patients to dress and wash independently. If you feel well you can have a wash at the sink. If not, a bowl will be provided for you to have a wash in the bed. We then encourage all patients to dress in loose comfortable clothing (not pyjamas). A member of the physiotherapy team will visit you to guide you through the initial exercises you need to complete to aid your recovery and to progress your walking - initially you may mobilise with a zimmer frame but progress onto elbow crutches or walking sticks generally later that day. You will have a postoperative x-ray that will be reviewed by the Resident Medical Officer. The clinical team will confirm your discharge plans with you on this first day.

**Goals:**

1. To complete 4 sets of exercises throughout the day
2. To wash and dress with little or no assistance

**DAY 2 AFTER SURGERY****What to expect:**

For most patients day two is the day of discharge. In the morning you will be seen by the nurse and Resident Medical Officer, who will complete their final checks, to ascertain if you are medically fit to return home. You will attend a class with a member of the physiotherapy team. During these classes the physiotherapists will run through your exercises, walk with your walking aids, negotiate stairs and they will also give you an educational talk to advise you on your recovery and give you rehabilitation guidelines.

The physiotherapist will check if you require any equipment for home.

Once the physiotherapist has deemed you fit for discharge, the team will prepare your paperwork and anything else that is required for you to return home. Before you leave you will be visited by a member of the clinical team, either a nurse or a pharmacist, who will check the medication that you are returning home with. Please remember to check the labels on the medication for instructions.

## Goals:

1. To wash and dress with no assistance
2. To attend physiotherapy class
3. To understand what medications you are taking home with you and how to take them
4. To have a good understanding of your recovery journey and what to expect

## AVOIDING FALLS

A fall following your surgery could result in soft tissue or bony damage and can be avoided by following a few simple steps:

- Ensure you are **always** wearing suitable footwear
- Use mobility aids as instructed
- Turn the lights on when mobilising at night
- Always use the call bell when you require assistance
- Do not try to lift, pack or carry things by yourself
- Do not rush, take your time when mobilising and completing activities.
- When mobilising try not to get distracted
- If you are feeling unwell, tell someone as soon as possible
- Wear your glasses and hearing aids where required
- Ensure that the care team have left the things you may need (phone, call bell and personal items) in reach before they leave the room
- Tell a member of the team if you have any concerns about your safety

## DISCHARGE

We will aim to discharge you no later than 11am. Discharge times can vary; the nurses will keep you updated about your approximate discharge time. On occasion patients require further medical intervention or physiotherapy assessment so afternoon discharge may be required. Please ensure that you have prepared whoever is coming to pick you up from hospital.

If you are travelling a long distance you need to plan to make frequent stops and remember to take your pain medication before you leave the hospital. You may find it useful to have extra pillows in the car for comfort.

### **Discharge goals:**

1. To be independently mobile with walking aids
2. To be able to negotiate a flight of stairs safely
3. Achieve a hip bend of 80 degrees or more
4. To be able to straighten your leg

You should feel prepared to go home. If you have any further queries, please do not hesitate to ask for information, either whilst you are in hospital or by giving us a call when you get home.

### **Follow up appointments**

You will be asked to attend an appointment following discharge for a wound check and to remove any sutures or clips. Most people are required to make an appointment with their GP whilst some will be asked to return to where they saw their consultant. You will be given specific instructions regarding this. If this is not possible, we may need to arrange a district nurse to visit you.

Upon discharge we will provide you with the date and time of your follow up appointment with your consultant.

If further outpatient physiotherapy treatment is required, this will be discussed with you and you will receive your appointment once you return home.

## **Visitors**

Visiting hours are between 14.00 - 20.00, we advise a maximum of two visitors at one time. Please ensure your visitors are aware that their visit may be interrupted when physiotherapy and clinical treatments are being delivered. Car parking is free for visitors. Your relative and friends will of course be concerned about you and will want to telephone the hospital to ask after your wellbeing. In order to prevent the clinical team from being taken away from the important job of caring for you, we ask that you have one family member or friend delegated to telephone in and keep everyone informed.

## **EXTENDED STAY AND ONGOING CARE**

### **Extended stay**

On occasion, some patients require an extended stay in hospital. If further medical or therapy intervention is required this will be discussed with you fully and your daily goals will be established with you.

You will not be deemed fit for discharge unless the clinical team are confident that you are ready to do so. It is normal to have anxiety about returning home, the team are happy to discuss any concerns that you have.

If you would like to enquire about paying to extend your stay at Horder Healthcare, please contact the private patient pathway team on 01892 620934 for more information on our rehabilitation packages.

## Ongoing care

If you feel you will require ongoing care following discharge this must be discussed at the pre assessment stage. If your circumstances change between pre assessment and your operation then you must notify the therapy team via the pre assessment team.

For ongoing care referrals into NHS services there is strict referral criterion in place and these services can take time to access. If you are considering privately funded care after your operation, please speak to one of the therapy team as they may be able to advise you further.

## Helping your recovery

At Horder Healthcare, we pride ourselves on providing our patients with the highest standard of care and this continues once you have left hospital. So if you have any problems, queries or worries concerning your recovery, please do not hesitate to contact us.

## AVOIDING FALLS IN HOSPITAL

A fall following your surgery could result in soft tissue or bone damage and can be avoided by following a few simple steps:

- Ensure you are **always** wearing suitable footwear
- Use mobility aids as instructed
- Turn the lights on when mobilising at night
- Always use the call bell when you require assistance
- Do not try to lift, pack or carry things by yourself
- Do not rush, take your time when mobilising and completing activities
- When mobilising try not to get distracted
- If you are feeling unwell, tell someone as soon as possible

- Wear your glasses and hearing aids where required
- Ensure that the care team have left the things you may need (phone, call bell and personal items) in reach before they leave the room
- Tell a member of the team if you have any concerns about your safety

# 8 MANAGING AT HOME

## BECOMING MOBILE AGAIN

Moving around regularly is very important for your recovery. Initially you will need to change your position every 30 minutes to 1 hour to reduce the amount of stiffness. You are able to mobilise outside when you feel ready. You should increase your walking distance daily and gradually.

### Progressing with your walking aids

On discharge from hospital, most people are walking with either two walking sticks or two elbow crutches. Unless you have been specifically instructed not to discard your walking aids, this is the progression you should follow -

- Within two weeks, you can try to wean yourself down to one walking aid indoors. Please ensure you keep this in the **opposite hand** to your operated leg. You will know when you are ready for one walking aid; it is when you can manage the same with one as you can with two and without a limp. If you do notice yourself limping, it is best to remain using your walking aids a little longer whilst you continue to strengthen.
- You will need to use two walking aids for longer outdoors as you will generally be walking further, it may be a little uneven and it may be slippery. Progress yourself outside when you feel able.
- By the time you come back to see your consultant, you should be aiming to walk without your walking aids indoors and may only need one walking aid outdoors for longer distances.

## Rest and activity

It is perfectly normal to feel tired and rather vulnerable in your first weeks at home. You may also feel frustrated at not being able to do all the things you want. Making a plan to gradually increase your activities over the following weeks may help, but just ensure you do things at your own pace. Another useful idea is to set aside time each day for total relaxation, making sure your friends and relatives know that you do not wish to be disturbed.

Try to limit your number of visitors in the initial stages of your recovery.

## What to avoid

Until your hip is fully healed (which can be up to three months) you need to avoid the following -

- **Extremes of movement (squatting, sitting on low furniture, getting into a bath tub etc)**
- **Heavy lifting**
- **Twisting and pivoting on your hip**
- **Performing activities that require sudden stopping and starting**
- **Crossing your legs**

## Ice

Using ice on your hip can reduce inflammation and pain. It is particularly effective for the first weeks after surgery and during periods of discomfort, you can use ice on the hip for as long as you feel it is of benefit. Ice packs are available for purchase from the hospital receptions or wards. You can use an ice pack on your hip for 10 - 15 minutes and can be used every hour but at least 4 times a day in the initial stages of recovery.

## **Sleeping**

Changes in routine and restricted movement can cause difficulty in sleeping and some people are woken up by the discomfort caused by sudden movement. If this does happen, you may wish to take pain relief to help you sleep. You can sleep on your back or either side. When lying on your non-operated side, place 1 or 2 pillows between your knees and ankles to help the leg relax.

## **Healing**

All wounds progress through several stages of healing. Depending on your treatment, you may experience such sensations as tingling, numbness and itching. You may also feel a slight pulling around the stitches or staples and a hard lump forming. These are perfectly normal and are part of the healing process. However, if a wound itself starts swelling, bleeding or discharging then you should contact the hospital.

## **Eating**

Due to your lack of activity you may lose your appetite or suffer from indigestion. Small meals taken regularly can help. If you have lost your appetite, then milky drinks provide a source of energy and goodness.

You can have a small amount of alcohol. However, if you are on medication, you should consult your GP before taking any alcohol.

## **Bowel care**

The difference in diet, the change in level of activity and the prescription of medication can lead to irregular bowel habits. We may prescribe you softeners or laxatives to have whilst you are in hospital to assist with constipation and if required we will send you home with some. This is perfectly normal and the problem should correct itself in time.

However, if this persists and you do not have a bowel movement for four days you should contact your GP. You can also help yourself by eating a high fibre diet with plenty of fresh fruit and vegetables and by drinking lots of water.

## **Washing**

You may shower when you return home. The dressing on your hip is shower proof though it is not drench proof. When taking a shower, it can be reassuring to have somebody else in the house to help you, should the need arise.

Please refrain from using a bath or soaking the wound until the wound has fully healed.

## **Avoiding falls at home**

- Avoid going outside in bad weather if possible
- When walking outdoors avoid poorly maintained pavements, unlit streets and slippery surfaces. Try to walk with a walking partner.
- Ensure you wear sturdy shoes with a good gripping sole
- Remove trip hazards around your home - mats, clutter, loose wires etc.
- Ensure your home is well lit. Make sure you put lights on when mobilising at night.
- Use handrails on stairways if available
- Never rush to answer the telephone or door
- Do not carry too many objects
- Use non slip mats in your bathroom

## **Sexual activity**

Sexual intercourse may be resumed with care when you feel comfortable to do so. Ensure that you avoid anything that puts your hip in an uncomfortable position.

## Housework

Initially you will require help with household tasks especially those which involve carrying items or kneeling. Just as we advise you to avoid sitting for a prolonged period, you should avoid standing for long periods too. Initially try to avoid standing in one position for any longer than 10 minutes - this should be enough to prepare a light meal/complete the washing up. A high stool and kitchen trolley may assist you in the initial stage of recovery. If you are feeling up to it then you can start doing light housework within a couple of weeks however heavy housework should be avoided until 6 weeks.

After 6 weeks, you must only return to heavier activities as you feel ready to do so and introduce activities gradually.

## Travel

You should not drive for the first six weeks after your surgery. When you are a passenger in a car, slide the seat back on its runners, recline the seat slightly to give yourself maximum leg room for comfort. Try to avoid longer car journeys for the first six weeks. If you do need to take a longer journey ensure you plan regular rest stops. You can get on a bus or train as soon as you feel confident enough to do so - remember the seats are generally fairly low and do not always have arms for you to push up from.

## Pain medication

Please see page 30 for advice on managing your pain at home.

It is important that you take your pain relief as directed or as needed to assist you with your daily activity.

If you have persisting abnormal symptoms (such as nausea, vomiting, insomnia, hallucinations) or your pain is not controlled after taking your pain medication, please speak to your GP to see if your pain medication regime needs changing.

## Reducing your pain medication

As your pain decreases, you can begin reducing the dose of your pain medication. You should not just stop completely. You can also try increasing the time between taking your medication before completely stopping. You may need to take pain medication for longer at night to help you sleep. If you have any further questions please speak to the nursing or pharmacy team.

## Caring for your wound with clips

- Keep your wound dry
- Keep your wound covered with a light dressing until your clips are removed, usually 10 -14 days. The hospital will send you home with extra dressings.
- You may shower every day. After showering, apply a new dressing if necessary.
- Please contact the hospital if there is increased fluid discharge, redness, pain, odour or heat around the wound. Take your temperature if you feel warm or sick. Call the Centre if it exceeds 38°C.
- Should you have any concerns; you may contact Horder Healthcare at any time

## Dressing change procedure

If your dressing needs changing before your wound check appointment, please follow this procedure:

- Wash hands and open dressing packet, remove the old dressing from the wound and inspect for the following:
  - Increased redness
  - Increased and clear drainage
  - Yellow/green fluid discharge
  - Unpleasant odour
  - Surrounding skin is hot to touch

Continue the procedure as follows:

- Pick up the dressing and take off the backing paper.
- Be careful not to touch the inside of the dressing.
- Holding the dressing by the corner lay it over the wound.
- Smooth the sides of the dressing over your skin.
- When in position on your skin, remove the outer plastic layer. This will leave a clear dressing with a centre pad on your wound.
- Ensure all the sides adhere to your skin.

### **Discharge goals**

If you experience any of the following symptoms at home, you must seek medical attention as soon as possible:

- Pain in your chest, difficulty breathing or shortness of breath
- Your incision becomes red, hard, hot, swollen or begins to ooze
- Redness or pain in your lower legs
- Chills and a fever (above 38.50)
- Sudden difficulty walking
- Blood in your stool, urine or sputum and increased bruising

Please either call your Horder Healthcare hospital or visit your local accident and emergency department.

Recovery times vary person to person and it is important to remember that a number of things can influence how quickly you will recover following a total hip replacement, such as how active you were prior to the operation, degree of arthritis, age and pre-existing health conditions. Below is a guide for recovery goals following your discharge from hospital. To assist your recovery we advise that once a week you set around three new goals so they are specific to the tasks that you need to do and the activities that you enjoy doing.

## **Weeks 1 - 2**

Following your discharge from hospital, the main priority is to ensure that you safely and comfortably return home (unless you have been referred for ongoing care). You should be gradually increasing your functional mobility and although you will still experience a degree of pain this should gradually decrease. Your goals for the period are to:

- Walk independently outdoors (on flat ground) gradually increasing the distance daily and decreasing reliance on your walking aids.
- Manage stairs on a daily basis
- Be independent with washing and dressing
- Complete all exercises as instructed
- Gradually resume gentle household tasks like preparing a light meal

## **Weeks 2 - 4**

Weeks 2-4 will see you recovering to more independence. You will need to be very committed to your home exercise programme to be able to achieve the best outcome. Your goals for the period are to:

- Wean from full support on your walking aids to a single stick or crutch as instructed
- Walk about 1/4 mile daily (if appropriate)
- Climb and descend a flight of stairs more than once daily
- Resume homemaking tasks for example light dusting, washing up and ironing
- Continue with home exercise programme

## **Weeks 4 - 6**

Weeks 4-6 will see greater recovery to full independence. Your home exercise programme remains important. Your goals for this time period are to:

- Walk with a single stick or crutch and try to decrease this down so you are not walking with any aids – unless otherwise instructed.
- Walk about 1/2 mile daily (if appropriate)
- Begin progressing on stairs from one step at a time to regular stair climbing
- Complete all exercises fully

## **Weeks 6 - 12**

During weeks 6-12 you should be able to begin resuming all of your activities. Your goals for this time period are to:

- Walk without the aid of a stick or crutch and without a limp
- You can start to walk on uneven terrain as you feel confident to do so
- Climb and descend stairs in normal fashion (one foot after another).
- Walk 1/2 mile – 1 mile daily (if appropriate).
- Resumption of all previous activities including dancing, bowling and golf

# 9 ADVICE FOR DAILY ACTIVITIES

## Getting in and out of bed

- You can lead with either leg
- To get out of bed use your strong leg and your arms to move closer to the edge of the bed and then swing your legs over the side of the bed and sit up.
- Do the reverse for getting into the bed
- You can use your stronger leg or a suitable aid under your operated leg for support
- For the first few weeks, place your operated leg slightly forward when you stand up
- Push from a seated position when standing up-do not pull or push on walking aids
- Reach back for the bed when you sit down
- If you are having difficulty please speak to one of the therapists for guidance



## Sitting down in a chair

- Back up until you can feel the chair with the back of your legs
- Slide your operated leg forward if you are struggling



- Grasp the armrests and bend your knees.
- Lower yourself down gently
- To stand up do the reverse
- Sit with your knee bent and your foot flat on the floor for short periods of time

## Getting dressed

Putting on underwear, trousers, socks and shoes can be difficult.

- Sit on the edge of the bed or chair
- Dress the operated leg first and undress it last
- You may need the following if there is no one to help you dress:
  - Sock aid
  - Long handled shoe horn
  - Helping hand





Please speak to a member of the therapy team if you have any questions or concerns.

Dressing aids are available to purchase from Horder Healthcare

## Stairs

Always use a handrail if there is one.

### Going up

Holding the rail with one hand and walking aids in the other, step up with the un-operated leg (good) followed by the operated leg (bad) and then the walking aid.



### Coming down

Holding the rail with one hand and walking aids in the other, place the walking aid on the step below then the operated (bad) leg; followed by the un-operated leg (good).



You can remember it as "Up with the good, down with the bad"

If you are by yourself, carry the other stick or crutch as illustrated.

Keep this method up until you feel strong enough to walk upstairs normally. Many patients can manage this between weeks 4 – 6.

## Getting things from a low cupboard

If you need to bend down to the oven, fridge, or low cupboard, you will find it easier to put your operated leg out behind you and bend forward leaning on the un-operated leg.

Ensure you are leaning on something sturdy to assist you back up into standing.



## Transfer into the car

- Sit in the front passenger seat of the car.
- Push the car seat all the way back and recline it slightly if possible.
- If necessary put a small cushion or folded towel onto the back part of the seat to make the seat level.
- Back up to the car until you feel it touches the back of your legs.



- Reach back for the car seat and lower yourself down. Keep your operated leg straight out in front of you and duck your head so that you do not hit it on the door frame.
- Slide across towards the driver's seat as far as you possibly can to give yourself more room to get your legs into the car.
- Turn towards the dashboard, leaning back as you lift the operated leg into the car.
- If you are finding car transfers difficult use a plastic bag underneath your bottom to help you slide. Remember to remove the plastic bag and make yourself comfortable before setting off



# 10 LOOKING AHEAD

## DRIVING

You should not drive for the first **six** weeks after your surgery. When you feel ready to drive again make sure you can reach and use the pedals without discomfort and have a trial run without the engine on. Try out all controls and go through the emergency stop procedure. Start with short journeys and when you do a long trip, stop regularly to get out and stand up and stretch. You may like to check and confirm your insurance cover, but you should not drive until you feel you have full control of the car.

## TRAVEL

Immobility (sitting for long periods of more than 4 hours) when travelling by plane, train, car or coach is thought to slightly increase your risk of DVT. It is advised that you wait 6 weeks before travelling on a short haul flight (4 hours or under) or 3 months for long haul flights (over 4 hours) after hip replacement surgery. During a flight we recommend that you move around the cabin regularly, complete gentle exercises and drink plenty of water.

## WORK

The time it takes to return to work following a hip replacement varies and depends on you and your recovery and also the type of work you do. If you work in a sedentary job and are able to travel to work safely, you may be able to return to work between 4-6 weeks after your operation. For light duty jobs that involve more walking and standing, as a guide you may be able to return to work 6-12 weeks after your operation. For more manual jobs, you may be able to return to work between 10 to 12 weeks, when you are capable of safely performing your job requirements.

Please inform staff whilst you are in hospital if you will require a doctor's note for your absence from work.

## HOBBIES AND SPORT

A hip replacement may be your ticket to a healthier and more active lifestyle. Once you have recovered, you can return to many activities that were too painful and difficult for you before surgery.

Initially any activities involving twisting, abrupt movements and kneeling should be avoided.

In most cases, you can resume many of your normal activities after about 8 weeks. Please discuss your lifestyle and activities with the therapy team or your consultant as they will be happy to give you more specific advice. Staying active will also help you strengthen your hip and make it more likely to function well for many years.

Here are a few examples of low-impact activities and sports that you should be able to do once you have recovered from your surgery:

### 1. Walking

Walking is one of the best exercises you can do to build up strength in your hip. It is also a good way to burn calories and benefit your heart. Start with smaller steps and shorter walks as you work your way up to longer distances. Keep track of how long you walk every day so you can gauge your progress.

### 2. Swimming

Swimming is not a weight-bearing activity, so it is a great way to exercise without putting stress on your artificial hip. Many people with hip replacements can resume swimming within four to six weeks after surgery. You must not go swimming until your wound is completely healed, as this will put you at risk of infection and you must be steady on your feet before you attempt to walk on a poolside.

### **3. Dancing**

Ballroom dancing and gentle modern dancing are great ways to exercise. Dancing is a good way to use leg muscles and engage in light aerobic activity. Avoid twisting and abrupt movements that could put your hip out of alignment. Also avoid high-impact movements such as jumping. You can normally resume gently from 6 weeks.

### **4. Cycling**

Cycling is a good way to regain strength in your hip. Whether you use an actual bicycle or an exercise machine, stay on a flat surface and increase your distance slowly. You can resume cycling when you have enough hip bend and balance. This is normally after 6 weeks.

### **5. Yoga**

Gentle stretching is a great way to avoid stiffness, improve your flexibility, and boost the overall health of your hip. It is important to avoid twisting movements, and any extremes of movement.

Talk with your yoga instructor before class so they are aware of your limitations. This will help prevent extra strain on your hip. If you feel any hip pain, modify the exercise or consider taking a break. You can normally return to yoga between 6 - 12 weeks.

### **6. Golf**

Golf should be returned to gradually, you can normally return to the driving range at about 6 weeks building up to a round of golf. You will find it useful to use a buggy initially and someone with you to lift your bag if required. You should gradually build up to walking a course.

The golf course provides a good way to walk and exercise various muscles in both your lower and upper body. Avoid wearing spikes that could get caught in the ground, and make sure you maintain good balance when you hit the ball.

## 7. Tennis

In most cases, you can return to playing tennis three to six months following your surgery. Avoid running initially and keep your games low-impact.

Doubles tennis requires less movement than singles, so it is a good way to exercise without placing undue stress on your hip.

## 8. Bowling / bowls

It is generally safe to bowl after hip replacement surgery, but you should consider using a lighter ball to reduce stress on your hip. Stop bowling if you begin to feel any pain in your hips. You can resume bowling or bowls once you are able to walk without any aids.

## FULL TIME RECOVERY

The first 6 weeks is where you make the most amount of recovery, longer term recovery takes about 6 months but some patients have reported noticing changes up to 2 years after their surgery.

Having access to information about hip replacement surgery and a strong support network throughout each stage of your recovery is really important and will help to support you and set expectations for your recovery journey.

# 11 EXERCISES

Below we have detailed a full rehabilitation programme. You will need to complete different exercises at the different stages of your recovery. Please see the below table for guidance on exercise completion. Everyone recovers at different rates and you should adapt the programme to suit your needs. We have given guidance on how many times to repeat each exercise but you may increase these repetitions as you feel able to, though please ensure you never do any more than 40 of each exercise.

<b>Phase of recovery</b>	<b>Exercises</b>	<b>Repetitions per day</b>
Pre op	1 - 6	3
Post op After the operation till discharge	7 - 13	3
Standing 0-6 weeks	14 - 19	3
Advanced exercises 3-6 weeks	20 - 26	3
Balance 3-12 weeks	27 - 29	3

## PRE-OP EXERCISES

It is important to be as fit as possible before undergoing a total hip replacement. This will make your recovery much faster. The exercises shown below should be started as soon as possible and continued up until your surgery. It is recommended that you do all of these pre op exercises three times a day on the leg that is due to be operated on. However, you may find them beneficial for the other leg too. It is not harmful for you to do more repetitions if you feel able to do so.

Also, remember that you need to strengthen your entire body, not just your leg. It is very important for you to strengthen your arms. You will be relying on your arms to help you get in and out of bed, chairs and to walk with aids.

If you find these exercises difficult, build up to the suggested number **GRADUALLY**. Avoid any exercise that is too painful.

If you are still able to do other forms of exercise such as walking or swimming, please continue to do so.

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### Exercise No. 1

#### **High Knee Marching**

March on the spot and bring your knees up as high as you can. Initially, you may wish to hold onto a stable surface. Repeat 10 times on each leg.



## Exercise No. 2

### **Hip Abduction (in standing)**

Keeping your leg straight, bring your leg out to the side as far as you can then return to the starting position. Repeat 10 times. Remember to maintain an upright posture whilst completing this exercise.



## Exercise No. 3

### **Hip Extension Stretch (in standing)**

Take your leg out behind you, keeping your toes on the floor. Straighten your knee and bring your hips forward so you can feel a stretch at the front of your hip. Hold this for 15-30 seconds then return to the starting position. Repeat 3 times.



## Exercise No. 4

### Sit To Stand

Practice sitting to standing from the chair. Try pushing up through both legs equally. Use the arms of the chair if needed. Repeat 10 times.



## Exercise No. 5

### Squats

Stand with your feet hip width apart. Keeping your back straight and heels on the floor, bend your knees as far as you can and straighten back up again. Repeat 10 times.



## Exercise No. 6

### Straight Leg Raise (SLR in sitting)

In sitting, pull your toes up towards you and straighten your knee. Then try and lift your leg up so your thigh comes off the chair. Repeat 10 times.



## MAINTENANCE EXERCISES

As soon as you wake up from surgery it is important that you complete all the exercises below roughly every hour, this is especially important if you are not mobile as these exercises help to prevent postoperative complications. You should continue to complete these exercises throughout the course of your hospital stay and during the initial stages of your recovery.

### Exercise No. 7

#### **Deep Breathing Exercises (DBE)**

With your hand on your upper abdomen, take a deep breath in through your nose and exhale slowly through your mouth. You should feel your abdomen rise against your hand. Repeat 3-5 times.



### Exercise No. 8

#### **Ankle Pumps**

Paddle your feet up and down. Repeat approximately 20 times.



## Exercise No. 9

### Static Quads

Pull your toes up and push your knee down into the bed tightening the thigh muscle. Hold for 5 seconds then relax. Repeat 10 times



## Exercise No. 10

### Buttock Squeezes

Squeeze buttocks together. Try not to hold your breath. Repeat 10 times.



## Exercise No. 11

### Hip Flexion (in lying)

On a smooth surface (such as a plastic bag on top of your bed sheet), bend your operated leg towards you. Repeat 10 times.



## Exercise No. 12

### **Hip Abduction (in lying)**

On a smooth surface (such as a plastic bag on top of your bed sheet), slide your operated leg out to the side as far as you feel comfortable to. Then return to the starting position. Repeat 10 times.



## Exercise No. 13

### **Straight Leg Raise (SLR in lying)**

Keeping your leg straight, raise your leg off the bed as high as you can. Hold for 5 seconds then relax. Don't worry if you cannot do this exercise, you will get there with time. But keep practicing. Repeat 10 times.



## **STANDING EXERCISES**

A member of the therapy team will demonstrate and if appropriate complete these exercises with you whilst in hospital. These exercises are to be completed from the day after your operation. You should complete these exercises three times a day. Initially ensure you hold on to a stable surface but decrease your support as able.

## Exercise No. 14

### **Hip Flexion (in standing)**

Bring your operated leg up, lifting the knee as high as comfort allows. Keep your body upright. Repeat 10 times.



## Exercise No. 15

### **Hip Abduction (in standing)**

Keeping your leg straight, bring your operated leg out to the side as far as you can then return to the starting position. Remember to maintain an upright posture whilst completing this exercise. Repeat 10 times.



## Exercise No. 16

### **Hip Extension Stretch (in standing)**

Take your operated leg out behind you, keeping your toes on the floor. Straighten your knee and bring your hips forward so you can feel a stretch at the front of your hip.

Hold this for 15-30 seconds then return to the starting position. You may wish to hold onto a stable surface initially. Repeat 3 times.



## Exercise No. 17

### **Hip Extension with Lift (in standing)**

Take your leg out behind you. Lift your leg up off the floor, whilst keeping the leg straight.

As this exercise becomes easier, increase the length of time you hold this position for.

Repeat 10 times.

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## Exercise No. 18

### **Weight Transfers**

Lightly hold onto a stable surface initially and ensure that you have equal weight through both your legs, whilst maintaining a good posture

Slowly transfer your weight from left to right, then forwards and backwards.

Repeat 5 times in each direction.

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## Exercise No. 19

### Squats

Standing with your feet hip width apart. Keeping your back straight and heels on the floor, bend your knees as far as you can and straighten back up again. You may want to hold onto a stable surface initially. Repeat 10 times.



## ADVANCED EXERCISES

These exercises can be completed from approximately 3 weeks post operatively though will depend on your rate of your recovery and how you are feeling. Start gently with these exercises and progress the exercises as you feel you are able to. Initially ensure you hold on to a stable surface but decrease your support as able.

## Exercise No. 20

### High Knee Marching

March on the spot, bring your knees up as high as you can. Initially you may need to lightly hold onto a stable surface but try to decrease the support as soon as you can. Repeat 10 times.



## Exercise No. 21

### **Single Leg Stance (SLS)**

Stand on your operated leg, keeping it as straight as possible, lift your non-operated leg off the floor. Try to keep your pelvis and back straight. Hold for 3 seconds. You may wish to hold onto a stable surface initially.

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## Exercise No. 22

### **Step Up & Down**

Step up onto the step with the operated leg pushing through the leg, bringing the non-operated leg up to join it. Step down backwards with the non-operated leg first, lowering yourself down slowly whilst bending the operated leg. Return to standing position.

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## Exercise No. 23

### Side Step & Squat

Step out to the side with your operated leg. Ensure that your feet are parallel. Perform a squat bending down as far as you can. Then return to the starting position. Repeat on the other side. Repeat 10 times.



## Exercise No. 24

### Clam (in lying)

Lying on your unoperated side, bend both knees up, tighten your bottom and lift your top knee up as far as you can without letting your pelvis rotate forwards or back. Hold for 5 seconds. Keep your feet together and your back straight for this exercise. Repeat 10 times.



## Exercise No. 25

### **Hip Extension (prone lying)**

If able lay on your front, lift your operated leg up off the bed whilst keeping your knee straight. Hold for 5 seconds then lower your leg down gently. Repeat 10 times.



## Exercise No. 26

### **Hip Abduction (side lying)**

Lying on your un-operated side with your knee bent. Lift your operated leg up whilst keeping your leg straight. Hold for 5 seconds then lower your leg down gently. Try to ensure that your pelvis does not move forwards or backwards. Repeat 10 times.



## **BALANCE EXERCISES**

These exercises can be completed from approximately 3 weeks postoperatively. When initially completing the below exercises hold onto a stable surface, once your balance improves decrease your support and try to complete the exercises without holding on to anything.

## Exercise No. 27

### **Standing with Your Feet Together**

Standing with your feet together. Try to maintain a good posture and your balance. Aim to hold this position for up to a minute.



## Exercise No. 28

### **Tandem**

With one foot in front of the other. Try to maintain a good posture and your balance. Aim to hold this position for up to a minute.



## Exercise No. 29

### **Heel To Toe Walking**

Try and step one foot in front of the other. Take 10 steps forward then 10 steps backwards. Try to maintain a good posture and your balance. You may also want to try this stepping backwards.



# 12 FREQUENTLY ASKED QUESTIONS

## **Why is my leg still swollen?**

Healing tissues are more swollen than normal tissue. This swelling may last for several months. Ankle swelling is due to the fact that each time we take a step the calf muscles contract and help pump blood back to the heart. If you are not putting full weight on the leg, the pump is not as effective and fluid builds up around the ankle. By the end of the day lots of people complain their ankle is more swollen.

## **What can I do to reduce the swelling?**

When sitting, the ankle pump exercises work the calf muscles and help pump the fluid away. Try to put equal weight through each leg and 'push off' from your toes on each step (those patients who have been told to limit their weight bearing cannot do this). Have a rest on the bed after lunch for 1 hour. Cushions under the foot of the mattress or blocks under the legs at the bottom of the bed will mean that gravity will help drainage.

## **Why is my scar warm?**

Even when the scar has healed, there is still healing going on deep inside. This healing process creates heat, which can be felt on the surface. This may continue for up to six months. This is a different type of warmth to that of an infection.

## **Signs of Infection**

- Increased swelling, redness and warmth at incision site.
- Change in colour, amount, odour of fluid discharge.
- Increased pain in hip.
- A high temperature.

## **How long should I expect my joint to be painful?**

You will experience pain and discomfort especially for the first few days. It is likely that you will need pain relief over the first few weeks. Reduce your pain relief gradually over a few weeks rather than stopping it all together even if you feel the pain has gone, as the pain may return if you stop your pain relief too soon. You may need to continue pain relief at night time for a little longer to help you sleep more comfortably.

## **Why do I get pain lower down my leg?**

The tissues take time to settle and referred pain into the shin or behind the knee is quite common.

## **Is bruising normal?**

Bruising often occurs after a hip replacement and normally appears once you have been discharged from hospital. Bruising normally occurs around the hip but can in some people track all the way up and down the leg. Bruising can cause tenderness but should settle down after the first few weeks.

## **Is it normal for my wound to bleed?**

Yes your wound may bleed and you may see this through the dressing. A small amount is normal if the dressing is full please contact Horder Healthcare or your GP surgery.

You may also notice that some yellow fluid can appear on your dressing. Again, a small amount is normal but if the dressing is full please contact Horder Healthcare or your GP surgery.

## **Why do I stiffen up?**

Most people notice that whilst they are moving around they feel quite mobile. After sitting down the hip feels stiff when they stand and they need to take 3 to 4 steps before it loosens up. This is because those healing tissues are still swollen and are slower to respond than normal tissue.

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## What are the signs of a DVT?

Deep Vein Thrombosis (DVT) is a blood clot that can form in the veins of your legs. If untreated the blood clot can travel to your lungs causing a Pulmonary Embolism (PE).

The signs of a DVT are:

- Pain, swelling and tenderness in one of your calves on rare occasions it can be both calves.
- A heavy ache in your calf
- Warm skin and redness in your calf.
- Breathlessness, chest pain and feeling generally unwell

**If you notice these symptoms please contact the ward immediately**

## Is it normal to have disturbed nights?

Yes, very few people are sleeping through the night for six weeks or more after the operation. As with sitting you stiffen up and the discomfort then wakes you up. Also many people are still sleeping on their backs, which is not their normal sleeping position so sleep patterns are disturbed. However you are able to sleep on your side when you feel able to.

## I have a numb patch – is this okay?

Numbness around the incision is due to small superficial nerves being disrupted during surgery. The area usually reduces, but there may be a permanent small area of numbness or altered sensation.

## How long do hip replacements last?

While hip replacements are designed to last a long time, they will not last forever.

The good news is that studies show that common types of hip replacements can last more than 20 years. How long your hip

replacement will last depends on how active you are, how much you weigh, and your overall health. While some patients may have hip replacements that last several decades, other patients may require a repeat hip replacement just a handful of years after their surgery.

### **Why do my legs feel a different length following surgery?**

During your operation your consultant will assess your leg length and endeavour to ensure you have equal leg length. There are many reasons that your legs may feel different lengths after surgery such as swelling, range of movement, pre existing alignment and muscle memory. This sensation can be fairly normal in the first few weeks of recovery but by six weeks should have resolved. If you are still concerned at this stage please speak to your consultant at your follow up appointment.

### **Why does my joint click?**

This is normal and it is usually a sign that those swollen tissues are moving over each other differently than before. You should not let this worry you, as again this should improve as healing continues.

### **When should I stop using a stick?**

Stop using the stick when you can walk as well without it as with it. It is better to use a stick if you still have a limp so that you do not get into bad habits that are hard to lose. Limping puts extra strain on your other joints especially your back and another leg. Use the stick in the opposite hand to your operated hip.

### **How far should I walk?**

This varies on your fitness and what your home situation is. You should feel tired but not exhausted when you get home, so gradually build up distance, remembering you have to get back.

## **Will I set off the security scanner alarm at the airport?**

Your new hip may set off metal detectors so be sure to tell the security officer that you have a hip replacement. Usually a hand held machine and will be passed over the hip.

## **Is it normal to experience tiredness?**

You will feel more tired than normal doing your usual daily activities and it may come upon you suddenly as your body is using energy to heal itself. You will have had some blood loss during your operation and it can take a few weeks for the blood levels in your body to return to normal. Try to eat a healthy well balanced diet and follow the advice in this book about rest periods.

# 13 QUESTIONS AND COMMENTS

Should you wish to telephone Horder Healthcare with a query please contact your relevant hospital at either:

The Horder Centre, St John's Road, Crowborough,  
East Sussex, TN6 1XP

Telephone: **01892 665577**

The McIndoe Centre, Holtye Road, East Grinstead  
West Sussex, RH19 3EB

Telephone: **01342 330300**

## **Making a complaint**

If you need to raise a specific concern or complaint please either contact us on the main switchboard number, access our 'listening to you' leaflet via our website or you can email us at **[complaintsadmin@horder.co.uk](mailto:complaintsadmin@horder.co.uk)**

Your complaint will then be passed on to the complaints department.

## Useful Information

National Joint Registry (NJR)

**[www.njrcentre.org.uk](http://www.njrcentre.org.uk)**

National Institute for Health and Clinical Excellence (NICE)

**[www.niceguidance.org.uk](http://www.niceguidance.org.uk)**

British Orthopaedic Association

**[www.boa.ac.uk](http://www.boa.ac.uk)**

Arthritis Research

**[www.arthritisresearchuk.org](http://www.arthritisresearchuk.org)**

NHS Choices

**[www.nhs.uk](http://www.nhs.uk)**

The Private Healthcare Information Network

**[www.phin.org.uk](http://www.phin.org.uk)**

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