

HIP FOR LIFE

A PATIENT'S GUIDE TO HIP REPLACEMENT



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INTRODUCTION

Thank you for your interest in the Furlong® H.A.C. Hip Replacement. In the following pages we hope to explain why we believe the Furlong® Hip is the best there is, and also unravel some of the mysteries of hip surgery. We know that this is a traumatic time for you, and hope that this information will provide you with



reassurance and confidence. Hip Surgery is a very common procedure with extremely high success rates - particularly with the Furlong® Hip.

The key to the success of the Furlong® H.A.C. Hip is that it is bioactive. Unlike traditional hip implants, it is not held in place by bone cement which tends to fail after 10-15 years. The Furlong® Hip is coated with a material which forms a natural bond with your bone and, barring accident, can reasonably be expected to last a lifetime.

Please discuss your case with your GP who is best qualified to recommend you to one of the many consultants familiar with the Furlong® hip replacement system.

Thank you again for your interest.



Brian Jones
Trustee



HIP FOR LIFE

The Furlong® H-A.C. Hip is coated with 'Hydroxy-Apatite Ceramic'.

In the words of its inventor, Mr. Ronald Furlong FRCS, following many years as Head of Orthopaedics at St. Thomas' Hospital London, the H-A.C. coating is 'Bone without the gift of life' and that's exactly how it works.

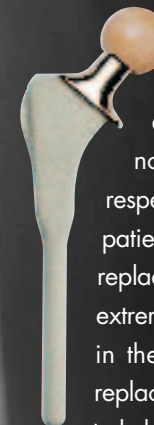


Once implanted, it begins to work on the bone in your femur to stimulate growth. The dramatic picture above shows new bone attaching itself to the H-A.C. coating ensuring a strong, natural bond

which results in early mobility and longevity for a pain free, active life. In the following pages we address

some of the questions which you may have. We also highlight some of the very positive reports emerging from clinical studies which may be of interest not only to you but also to your GP. In recent, highly

respected, medical journals, a study of young, highly active, patients demonstrated that they all had fully functioning hip replacements after 12 years. This is a result of which we are extremely proud, because there is a relatively high failure rate in the young, active, patient group with a traditional hip replacement. It confirms our belief that the Furlong® Hip can truly be described as a **"Hip for Life"**.

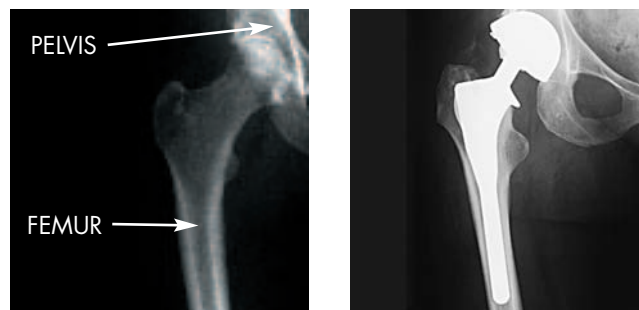


THE MOST FREQUENTLY ASKED QUESTIONS ABOUT HIP REPLACEMENTS

? WHAT IS A HIP REPLACEMENT?

A. A hip replacement is an artificially made hip that is designed to simulate your normal hip's anatomy and abilities.

There are a number of components to your hip joint, as shown below:



The Femur (the bone in your thigh) moves inside your pelvis using simple ball in socket motion. The artificial hip (also known as the Prosthesis) you will receive will replicate this motion

? WHY MIGHT I NEED A HIP REPLACEMENT?

A. There are many factors which may lead a patient to need a Total Hip Replacement (THR), but the most common is arthritis. There are two types of arthritis: osteoarthritis, the most common and treatable, and rheumatoid arthritis, a much more degenerative disease, spread all over the body, which can affect more than one joint. The symptoms of arthritis in the hip are generally pain, swelling, stiffness, deformity, instability and loss of function. The ultimate treatment for these conditions is a hip replacement.

? WHAT ARE THE ADVANTAGES OF HIP REPLACEMENT?

A. A hip replacement will ideally eliminate all of the hip problems the patient has. The best possible result for a hip replacement is to make the patient unaware that they have even had a hip replacement. The Furlong® H-A.C. hip has had reports from patients that their new hip actually feels better than their original one!

? ARE THERE DIFFERENT TYPES OF HIP REPLACEMENT?

A. There are many different types available, most commonly those types of hip replacement used with bone cement (a glue to hold the new hip in place). These implants traditionally only last an average of ten to twelve years. The Furlong® H-A.C. hip, which does not use cement, has been available since 1985 and now has many years of excellent results. It can reasonably be expected to last the patient's lifetime.

? WHAT IS H-A.C.?

A. H-A.C. is short for Hydroxy-apatite ceramic. It is an artificial composition of the exact same mineral that is found in bone. The Furlong® H-A.C. hip is coated with hydroxy-apatite ceramic and, once the prosthesis has been implanted, the bone in your body and the H-A.C meet each other and hold your hip securely in place.

? AM I TOO OLD, OR TOO YOUNG FOR A HIP REPLACEMENT?

A. Traditional thinking decrees that hip replacements are only suitable for people aged 65 or over. However, recent technological advances, such as the Furlong® H-A.C. Total Hip Replacement, mean that people no longer need to suffer for so long. The Furlong® H-A.C. THR is in fact suitable for patients of almost any age.

? HOW LONG AFTER THE OPERATION WILL I BE FULLY FUNCTIONAL AGAIN?

A. After receiving a Furlong® H-A.C. hip replacement we expect you to be out of bed within a couple of days but this depends on the surgical technique employed. You will be walking with a crutch for up to six weeks. Full mobility is expected within six months. This may seem like a long time to you now, but in fact you will be pain free throughout. The time taken is for the flesh and tissue around your hip to heal.

? WILL A HIP REPLACEMENT LAST ME MY LIFETIME?

A. We believe that the Furlong® H-A.C. Hip should last you your lifetime. A number of factors come into play, including your weight and your activity levels. If you are a younger patient a hip replacement that uses cement will not last you your lifetime, which has been proven by past clinical data. The hip will need replacing, which is known as a Revision, a procedure that is generally much more complicated than the first and with a Revision there is less guarantee of a full return to mobility.

? WHERE CAN I GET A FURLONG® HIP REPLACEMENT?

A. This is a matter you will need to discuss with your GP. The Furlong® Hip is readily available to NHS and Private Hospitals in the UK, and your GP should have no difficulty in finding a surgeon who uses it.

REFERENCES FOR THE FURLONG® HIP

PATIENT REFERENCES

There have been a number of articles published, in both regional and national press, documenting the success that patients have had with the Furlong® Hip. Most of the people contacted have stressed how their new hip has given them back a full and active life, like the one they had before their disability set in. We have reports from people who think their new hip is in fact even better than their original one!

We are confident that you will be happy with your Furlong® Hip, and that with H.A.C. we have made a very important contribution to orthopaedics. More importantly, our faith has been rewarded by the results of studies carried out by surgeons proving that H.A.C. works. Please see Clinical Proof below.

CLINICAL PROOF

Below are some excerpts from recent studies done on the Furlong® Hip. Full Abstracts of these studies are available on request.

2005

"Our findings suggest that the long-term results of these hydroxyapatite-coated prostheses are more than satisfactory"

Results of a hydroxyapatite-coated [Furlong] total hip replacements – A 13 to 15 year follow up (2005)

AA Shetty, R Slack, A Tindall, KD James & C Rand, Medway Maritime Hospital, Kent, England, *J Bone Joint Surg [Br]* 2005;87-B:1050-4

"We present excellent medium- to long-term clinical, radiological and survivorship results with the fully hydroxyapatite-ceramic-coated femoral component in revision hip surgery"

Hydroxyapatite-ceramic-coated femoral stems in revision hip surgery (2005)

SP Trikha, S Singh, OW Raynham, JC Lewis, PA Mitchell & AJ Edge, Worthing & Southlands NHS Trust Worthing, England, *J Bone Joint Surg [Br]* 2005;87-B:1055-60

"Our study supports the continued use of this arthroplasty and documents the durability of hydroxyapatite-ceramic-coated components"

Revision of cemented hip arthroplasty using hydroxyapatite-ceramic-coated femoral component (2005)

R Raman, RP Kamath, A Parikh & PD Angus, Dewsbury Hospital, Dewsbury, England, *J Bone Joint Surg [Br]* 2005;87-B:1061-7

"The Furlong® hip gives promising functional and radiographic results in young patients in the medium term"

The hydroxyapatite-coated Furlong® hip – Outcomes in patients under the age of 55 years (2005)

A Robertson, D Lavalette, S Morgan & PD Angus, Dewsbury & District Hospital, Dewsbury, England, *J Bone Joint Surg [Br]* 2005;87-B:12-15

2004

"Our results show that the Furlong® HAC implant gives excellent long-term results in young patients with high demands"

Hydroxyapatite ceramic-coated femoral stem in young patients – A prospective ten-year study (2004)

S Singh, SP Trikha & AJ Edge, Worthing & Southlands Hospitals NHS Trust, Worthing, England, *J Bone Joint Surg [Br]* 2004;86-B:1118-23

2002

"This hydroxyapatite coated femoral stem continues to have outstanding survival figures in the long term"

The 13 to 16 year results of the use of the Furlong® hydroxyapatite coated femoral stem (2002)

MD George, JAN Shepperd, R Chana, Conquest Hospital, Hastings

2000

"Our findings suggest that the hydroxyapatite coating gives a satisfactory prosthesis-bone interface which is preferable to any other system"

The results at nine to twelve years of the use of a hydroxyapatite-coated femoral stem (2000)

SA McNally, JAN Shepperd, CV Mann & JP Walczak, Conquest Hospital, Hastings, England, *J Bone Joint Surg [Br]* 2000;82-B:378-82

