

Total hip replacement is the predominant veterinary joint replacement surgery. We can supply cemented or non-cemented systems in a range of sizes.

Systems are available to manage other joints, for example Arthrex have produced a partial elbow replacement system. There are other devices on the market and under development for elbows and stifles, but these are complicated joints to manage well.

Training courses are available from time to time on the systems we stock. Please contact us for further details.

CEMENTLESS HIP SYSTEM

HELICA

Modular, Cementless, Screw-in Total Hip Replacement.
Now available with improved three part stem. (TPS)



The Helica System of Total Hip Replacement is unique in a number of respects.

Most cementless systems rely on a 'press fit' for at least one implant component. Creation of the site for the component is critical and technically demanding or the component will not lock into position. In addition, press fit components are vulnerable until osseous integration develops over several weeks (if it happens at all). In man this is less of an issue in that the patient can strictly control the stress placed on the new hip. We have much less control over our canine patients during this critical phase.

Both Helica components screw into position giving post operative security during the phase of osseous integration. The cup is not only fixed very rigidly but can even be re-positioned intra-operatively, should it be required, without losing any security. The Helica cup may be used with all other leading brands of stems to create a hybrid system with maximum cup security.

The stem is a short prosthesis located entirely in the proximal femur. Only the articular surface is removed during implantation retaining the maximum bone stock. The new Three Part Stem (TPS) ensures more accurate positioning of the stem in addition to an increased surface area for load dispersment. A choice of flanges is available to suit individual femoral neck size.



The surface of both acetabular shell and femoral stem are treated to maximise osteointegration of implants.



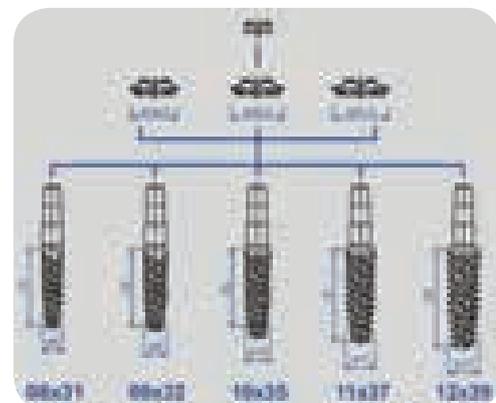
The outer surface of the acetabular cup is threaded for rapid screw-in insertion. Repositioning of cups intraoperatively is straight forward. Revision cups for other systems are available.

Both femoral and acetabular components screw into position allowing immediate loading. The surface finish of the titanium components encourages rapid osteointegration. Flexibility is achieved by:

- 5 Stem sizes
- 6 Neck lengths
- 3 Flanges for the femoral neck
- 6 Acetabular Cup sizes

Once the implantation sites have been prepared the implants self tap into position.

Only the articular surface of the femoral head is removed, retaining the maximum amount of bone stock to support the femoral prosthesis, which screws into place. Although perhaps counter intuitive the small stem in the proximal femur loads at least as well as long stemmed prostheses.



Advantages

- Short surgery time
- Minimally invasive
- Cementless technique
- Screw-in implants
- Immediately loadable
- Cost effective

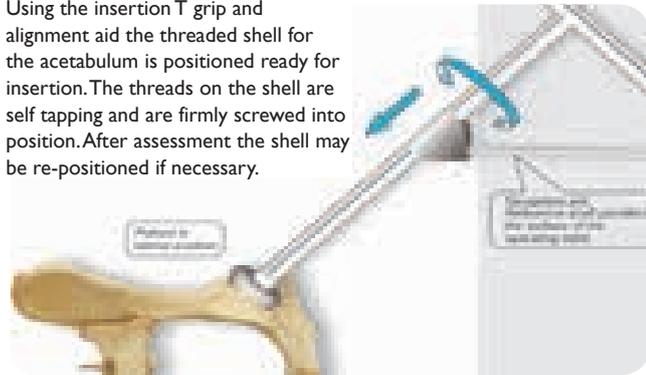
HELICA Surgical Technique

Pre-operative assessment and planning gives the predicted size of cup, stem and head/neck.

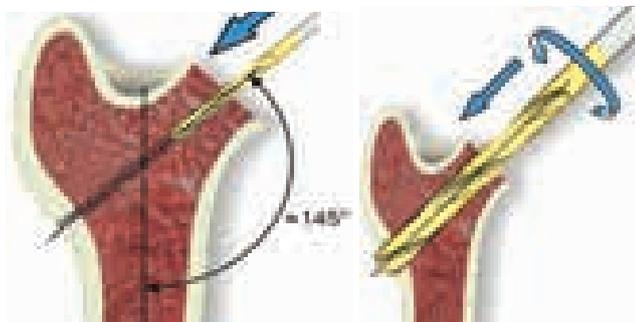
The acetabulum is prepared by reaming with progressively larger and larger reamers finishing with the predicted size.



Using the insertion T grip and alignment aid the threaded shell for the acetabulum is positioned ready for insertion. The threads on the shell are self tapping and are firmly screwed into position. After assessment the shell may be re-positioned if necessary.



The resection of the femoral head is made just distal to the bone-cartilage interface. The resection is made perpendicular to the femoral stem implant axis. The face of the osteotomy will be milled at a later stage to ensure that the bed for the femoral component flange is aligned correctly. The osteotomy is facilitated by use of the Helica hohman to lift the femoral head.



The femoral component must be inserted along the axis of the femoral neck. It is important to spend time establishing the correct axis.

A CCD angle of 145 to 147 degrees is desirable.

Much thought and care should be taken when placing the initial 2.0 or 2.5mm drill hole which should exit the lateral cortex. Drills of increasing size are used to open up the femoral neck. Each drill should exit the lateral cortex. The final drill for the femoral neck will be the pilot drill for the predicted femoral component.



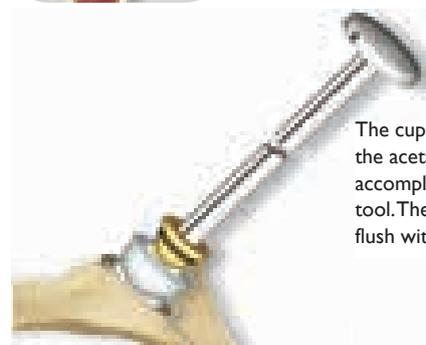
The axis is determined in part by eye but aided by a goniometer. The axis is established initially by a small drill which is progressively opened using larger and larger drills.



The extension pin is added to the chosen stem to ensure correct alignment of the stem in the femoral neck. The stem is slowly screwed into position until the tip exits the lateral cortex. The fine thread at the neck of the stem should sit below the resection line. The milling tool will remove excess bone to leave the resection line at right angles to the stem.

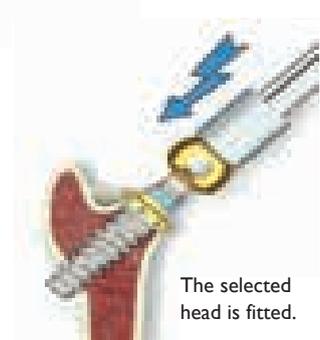


The milling tool prepares the bone surface for the flange which sits on and spreads the load onto the femoral neck. The new stem design ensures that the flange will always sit squarely on the milled area. The flange is fitted and locked in position by a locking ring.



The cup inlay is a click fit into the acetabular shell. Insertion is accomplished using an insertion tool. The rim of the inlay should sit flush with the shell margin.

After trialling, the appropriate femoral head is locked onto the femoral neck. The interface is a very secure Morse taper. Hybrid heads are available to fit other hip systems to allow the use of the Helica cup when revising other system cup failures.



The selected head is fitted.



Correct positioning of the implants is confirmed by radiography.

This surgical guide is included to give an overview of the technique. Surgeons contemplating use of the Helica system must attend a recognised training course. A fuller illustrated guide is included.

HELICA Hybrids

The stability of the Helica Cup is such that it may be used in conjunction with press fit cups from other systems either as a revision or as a primary procedure.

Helica Heads are available in various lengths which interface with Stems for the Kyon and BFX Systems. These Heads fit standard Helica cups.

The tray of Acetabular Instruments may be purchased separately after attending an approved training course.

Ancillary Helica Instrumentation



Three instruments, not included in the standard sets, make osteotomy and alignment of the femoral stem significantly easier and are recommended. The Meyerding is a very powerful hand held retractor.

The Helica Hohman has a dished profile and fine teeth along its leading edge to lift the femoral head and neck up from the incision for osteotomy. The goniometer helps the surgeon to establish the correct axis for the femoral stem at an angle of 145 to 147 degrees.

HELICA ANCILLARY INSTRUMENTS

- 001038** Helica Hohman Large
- 001037** Helica Hohman Medium
- 001036** Helica Hohman Small
- 0010300SET** Helica Hohman Set (Set of 3 as above)
- HE-GONIO** Helica Goniometer
- 150019** Meyerding Retractor

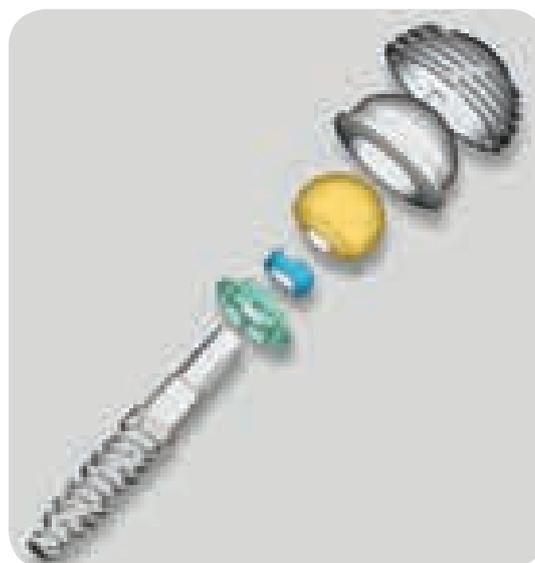
Helica Total Hip Instrumentation



HELICA TOTAL HIP INSTRUMENTATION

HE-KIT Helica Instrument Kit

Helica Total Hip Implants



Helica Acetabular Cups

ACETABULAR CUPS

- HE-HCI-T22** Helica 22mm Acetabular Cup
- HE-HCI-T24** Helica 24mm Acetabular Cup
- HE-HCI-T26** Helica 26mm Acetabular Cup
- HE-HCI-T28** Helica 28mm Acetabular Cup
- HE-HCI-T30** Helica 30mm Acetabular Cup
- HE-HCI-T32** Helica 32mm Acetabular Cup

Helica TPS Stems

TPS STEMS

- HE-HS3-T0831** TPS Helica Stem 8mm x 31mm (2012 Version)
- HE-HS3-T0932** TPS Helica Stem 9mm x 32mm (2012 Version)
- HE-HS3-T1035** TPS Helica Stem 10mm x 35mm(2012 Version)
- HE-HS3-T1137** TPS Helica Stem 11mm x 37mm(2012 Version)
- HE-HS3-T1239** TPS Helica Stem 12mm x 39mm(2012 Version)

Helica TPS Flanges

TPS FLANGE

HE-HF3-T18.5	TPS Helica Flange 18.5mm (inc 1 Locking Nut)
HE-HF3-T20	TPS Helica Flange 20.0mm (inc 1 Locking Nut)
HE-HF3-T22	TPS Helica Flange 21.5mm (inc 1 Locking Nut)

Helica TPS Locking Nut

TPS LOCKING NUT

HE-HN3-T08	TPS Helica Locking Nut (for replacement)
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Helica Femoral Heads

FEMORAL HEADS

HE-FHI-15S	Helica 15mm Femoral Head - Short
HE-FHI-15M	Helica 15mm Femoral Head - Medium
HE-FHI-18S	Helica 18mm Femoral Head - Short
HE-FHI-18M	Helica 18mm Femoral Head - Medium
HE-FHI-18L	Helica 18mm Femoral Head - Long
HE-FHI-18XL	Helica 18mm Femoral Head - Extra Long
HE-FHI-18XXL	Helica 18mm Femoral Head - XX Long

Helica Inlays

INLAYS

HE-ALI-P22	Helica 22mm Inlay
HE-ALI-P24	Helica 24mm Inlay
HE-ALI-P26	Helica 26mm Inlay
HE-ALI-P28	Helica 28mm Inlay
HE-ALI-P30	Helica 30mm Inlay
HE-ALI-P32	Helica 32mm Inlay

Helica Inlay Non Constrained

NON CONSTRAINED INLAYS

HE-ALI-P24-NC	Helica 24mm Inlay Non Constrained
HE-ALI-P28-NC	Helica 28mm Inlay Non Constrained
HE-ALI-P30-NC	Helica 30mm Inlay Non Constrained

Helica Hybrid Revision Implants

HYBRID REVISION IMPLANTS

HE-FHB-18-0	Helica Hybrid 18mm Femoral Head Biometric Shank + 0
HE-FHB-18-3	Helica Hybrid 18mm Femoral Head Biometric Shank + 3
HE-FHB-18-6	Helica Hybrid 18mm Femoral Head Biometric Shank + 6
HE-FHK-18XS	Helica Hybrid 18mm Femoral Head Kyon Extra Short
HE-FHK-18S	Helica Hybrid 18mm Femoral Head Kyon Short
HE-FHK-18M	Helica Hybrid 18mm Femoral Head Kyon Medium
HE-FHK-18L	Helica Hybrid 18mm Femoral Head Kyon Long
HE-FHK-18XL	Helica Hybrid 18mm Femoral Head Kyon Extra Long



Helica Total Hip Stem Implants (Original Version)

These Stems are the original design to be used in conjunction with the original instrumentation.

STEMS

HE-HSI-T0826	Helica Stem 8mm x 26mm
HE-HSI-T0928	Helica Stem 9mm x 28mm
HE-HSI-T1028	Helica Stem 10mm x 28mm
HE-HSI-T1132	Helica Stem 11mm x 32mm
HE-HSI-T1232	Helica Stem 12mm x 32mm

3CON Stems

3 CON STEMMS

HE-TS1-C-04	3CON Stem # 4
HE-TS1-C-05	3CON Stem # 5
HE-TS1-C-06	3CON Stem # 6
HE-TS1-C-07	3CON Stem # 7



Innoplant Total Hip Replacement

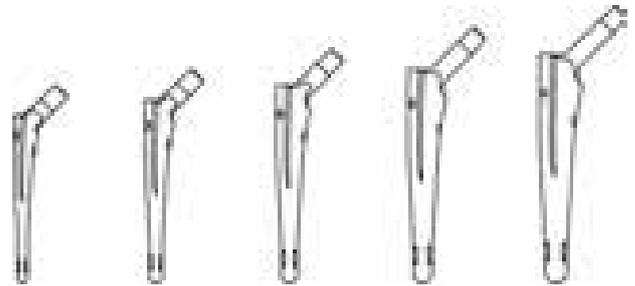
The manufacturer of the well established Helica system has a long history of producing implants and instruments for the human field. Recognising that no one system will suit every case, Innoplant has developed a family of Total Hip Replacement systems which allow the surgeon to deal appropriately with each case. The systems are compatible with each other enabling a 'mix and match' protocol, selecting each component on the merits of the case. It is possible for example to use a screw-in cementless cup together with a cemented long stem. The various options facilitate a straight forward revision should it be required.

Using an Innoplant screw-in cup and revision stem plus ball, a failed Kyon or Biomedtrix cup may be revised.



Available in 5 sizes

Sizes not shown to scale



CemtA Stem Instrumentation



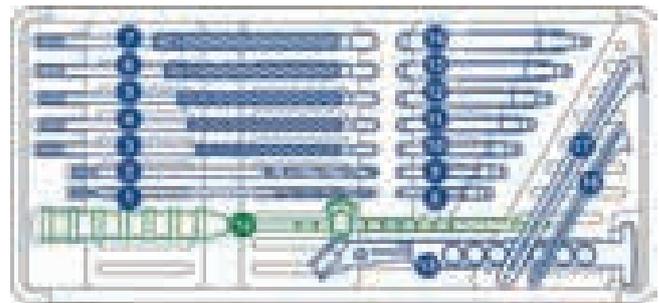
The instrumentation required for the stem is un-complicated. The set includes reamers and trial stems for all sizes. The reamer system is modular in design, all reamer shafts fitting the same ergonomic handle.

CemtA Cemented System

Produced by Innoplant, the manufacturers of the Helica system, the CemtA system both compliments and offers an alternative to Helica and other hip replacement systems. The heads and cups of CemtA are interchangeable with all other Innoplant systems.

One of the features of Helica is that it is possible to easily revise the Helica using a long stemmed system. The CemtA system is ideal due to the compatibility of components with Helica.

CemtA is an ideal stand alone cemented system requiring a minimum of dedicated instrumentation.



Cement Restrictor



The cement restrictor is placed in the reamed medullary canal distal to the anticipated position of the stem tip. The restrictor prevents extrusion of the cement distally which maintains the cement mantle and minimises displacement of the distal contents of the femur.

Composition

UHMWPE ISO 5834-1

ASTM F648



Composition

Cobalt Chrome Molybdenum alloy (CoCrMo, ISO 5832-4, ASTM F75).

CemtA Cup

The CemtA cup may be used with either the cemented CemtA stems or the familiar Helica stems. Self-centering pegs ensure that the cup is centered in the reamed acetabulum. This ensures an even mantle of cement.

The CemtA cup is available in six sizes to match all stem options.

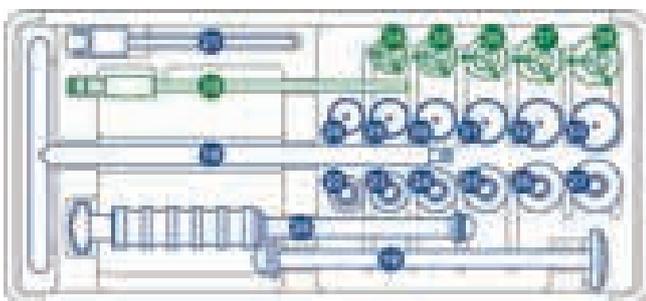
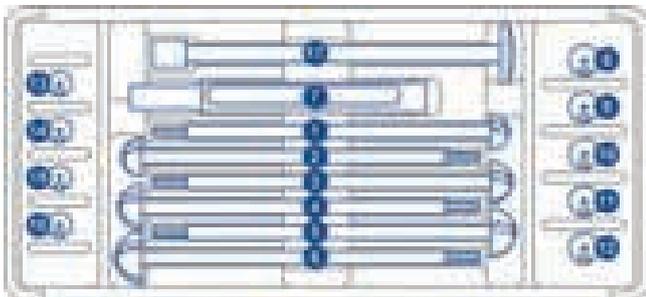


Composition: UHMWPE ISO 5834-1, ASTM F648
Radioluscent ring Stainless 316L ISO 5832-9

CemtA Cup Instrumentation



The full Cup Set comprises two trays including all the instrumentation and trial implants both both the screw cup (familiar from the Helica system) and the new CemtA cemented cup. If required the cup set may be configured for the CemtA cup only.



Clinical case showing both CemtA stem and CemtA cup in situ.
12 month Beagle
CemtA stem 4 plus 21mm cup
Case thanks Gereon Viefhues

CEMTA STEMS

HE-CS1-C-04	CemtA Stem	#4
HE-CS1-C-05	CemtA Stem	#5
HE-CS1-C-06	CemtA Stem	#6
HE-CS1-C-07	CemtA Stem	#7
HE-CS1-C-08	CemtA Stem	#8

CEMTA CUPS

HE-CCI-P-21	CemtA Cup 21mm
HE-CCI-P-23	CemtA Cup 23mm
HE-CCI-P-25	CemtA Cup 25mm
HE-CCI-P-27	CemtA Cup 27mm
HE-CCI-P-29	CemtA Cup 29mm

15MM FEMORAL HEADS

HE-FHI-S-15-S	15mm Femoral Head Small
HE-FHI-S-15-M	15mm Femoral Head Medium
HE-FHI-S-15-L	15mm Femoral Head Large
HE-FHI-S-15-XL	15mm Femoral Head Extra Large
HE-FHI-S15-XXL	15mm Femoral Head Extra Extra Large

FIT CEMTA AND HELICA STEMS

CEMTA INSTRUMENTATION

HE-300-KS-14	Full Instrumentation for Screw Cup/CemtA Cup Set 1 & Set 2
HE-300-KS-12	Full Instrumentation for CemtA stems

CEMENT RESTRICTOR

HE-CRI-P-01	Cement Restrictor Size 1
HE-CRI-P-02	Cement Restrictor Size 2

Inlay options for Screw Cup



The standard inlay for the screw cup for use with both Helica and CemtA stems is non-constrained. Certain cases which for reasons of conformation or soft tissue benefit from a 'Snap Inlay' which is retentive.

Hip Fixation and Navigation Device



During Total Hip Replacement procedure, correct placement of the acetabular cup is essential. Navigation Devices have been around for some time, often home-made.

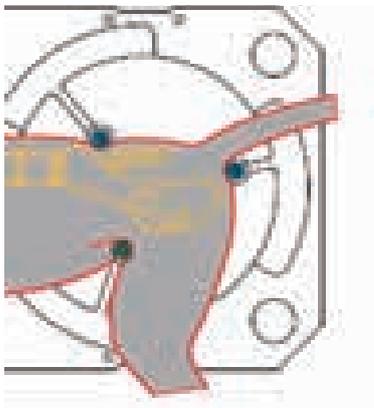
This Navigation Device gently positions the patient in the correct position, and includes an orientation guide to ensure the correct inclination and retroversion angles are maintained.

The blue handle allows easy rotation of the table to aid comfortable positioning, reducing the risk of stress on the spine.



HIP FIXATION AND NAVIGATION DEVICE
HE-HFN-KS-01 Hip Fixation and Navigation Device

Helica Drill Guide



Construction is of titanium and high-strength aluminium, for easy cleaning and maintenance.

When not in use, the table can be disassembled for storage.

The two halves of the table feature slots for all components, clipping together to for secure storage between uses.



Image courtesy of Christoph Stork

This Drill Guide was modified by Christoph Stork, DipECVS, as an aid to drilling of the femoral neck during the Helica total hip joint replacement. In essence, this is an over-sized soft-tissue protector with a very large bore of 9mm accepting the largest of the drill-bits used in this procedure.

HELICA DRILL GUIDE
HELICADG Helica Drill Guide 9mm Diameter Bore



Veterinary Instrumentation Modular Hip System (Cemented)



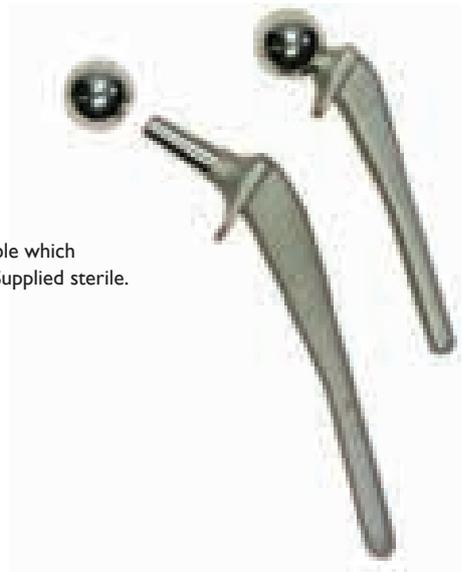
Photography: Hamish Denny

The modular format gives four different femur combinations. Two stem sizes are available. The taper neck is the same on both. Two ball options are available, the ball diameter is 15mm in both cases. The “short neck” ball when fitted to the standard taper neck gives a short necked prosthesis and the “long neck” ball gives a long necked prosthesis. When combined with the two acetabular cups a total of 8 combinations are possible. The most common combination is a small stem and long neck ball together with a small acetabular cup.

The surgeon most familiar with the system is Hamish Denny FRCVS, who helped develop the system and has performed over 200 procedures. He also produced the instructional DVD which is available on free loan. This is not a ‘high tech’ system which requires a mass of dedicated instrumentation and jigs. It is a simple, well proven system which assumes that the surgeon has the knowledge and expertise to complete the procedure.

Combination	Stem size	Neck	Acetabular cup
1	Small Stem	Short	Small
2	Small Stem	Long	Small
3	Small Stem	Short	Medium
4	Small Stem	Long	Medium
5	Large Stem	Short	Small
6	Large Stem	Long	Small
7	Large Stem	Short	Medium
8	Large Stem	Long	Medium

Femoral Prosthesis



Two stems are available which are identical distally. Supplied sterile.

FEMORAL PROSTHESIS

- 150200 Large Stem (Sterile)
- 150201 Small Stem (Sterile)
- 150300 Long Ball (Sterile)
- 150301 Short Ball (Sterile)
- HDTHPDVD Hamish Denny Total Hip DVD

Acetabular Cups



Two sizes are available. The internal diameter is the same, as all the heads of the femoral components are 15mm in diameter. The only difference between the cups is the wall thickness and therefore the outside diameter.

All cups are marked with stainless rings to establish cup position on radiographs. Cups have very deep grooves on the external diameter to provide good cement keying. Supplied sterile.

ACETABULAR CUPS

- 150402 Medium Acetabular Cup (Sterile)
- 150401 Small Acetabular Cup (Sterile)

Hatt Spoon



An alternative to the disarticulator in large dogs. The edge of the spoon is sharp. As used by Marvin Olmstead. The VI version has a narrower shaft and a fibre handle for ease of use.

HATT SPOON

- 001092 Hatt Spoon 17mm x 30mm Scoop 230mm Long
- 001093 Hatt Spoon 12mm x 18mm Scoop 230mm Long
- 001094 Hatt Spoon 7mm x 12mm Scoop 230mm Long
- 00109SET Hatt Spoon Set of 3 (as above)

Femoral Rasp



The aim of the Femoral Rasp is to produce a hole the same shape as the stem of the femoral prosthesis plus a margin for the bone cement. The Femoral Rasp can create seating for both stems in that both stems have a similar profile distally and differ only in the proximal area. To create a seating for the large stem simply make a deeper hole.

FEMORAL RASP

150005 Femoral Rasp

Femoral Reamer



Use in conjunction with the femoral rasp to open up the proximal femur. 'T' handle format with an overall length of 270mm. Use 6mm for the distal portion and 8mm proximally.

FEMORAL REAMER

150003 Femoral Reamer 6mm 270mm Long

150004 Femoral Reamer 8mm 270mm Long

Cylindrical Rasp



Use to widen opening in femur. Available in 6mm and 8mm diameter.

CYLINDRICAL RASP

150008 Cylindrical Rasp 6mm Diameter

150009 Cylindrical Rasp 8mm Diameter

Acetabular Reamers



Photography: Hamish Denny



Each Reamer is designed to produce a prepared bed for each cup. The Reamer shaft is 1/4" (6.3mm) to fit air or electric rechargeable drills. The multi-bladed style has a much longer life than the cheese grater type. Good soft tissue retraction is essential. The Reamer head can be re-sharpened on an exchange basis.

ACETABULAR REAMERS

150012 Small Acetabular Reamer

150010 Medium Acetabular Reamer

Acetabular Skid



A double-ended instrument useful in the dislocation of the femoral head prior to excision. Also useful in "helping" the head of the femoral prosthesis into the acetabular cup.

ACETABULAR SKID

6200/05 Acetabular Skid

Femoral Prosthesis Pusher

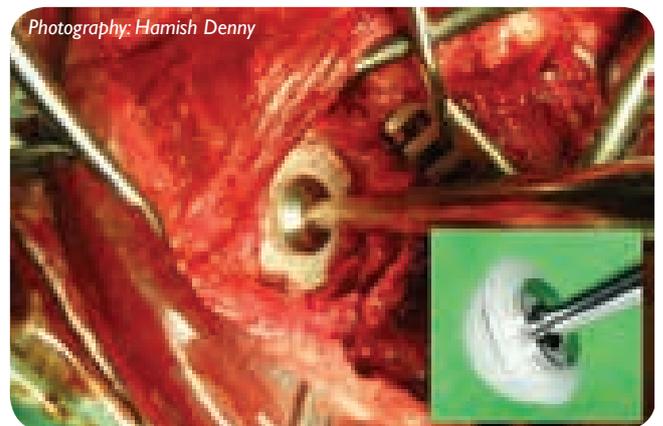


This instrument fits both small and large femoral prostheses and allows the surgeon to position the stem and apply pressure as the cement sets.

FEMORAL PROSTHESIS PUSHER

161602B Femoral Prosthesis Pusher

Acetabular Cup Positioner



Photography: Hamish Denny



This instrument holds the acetabular cup in position as the cement sets.

ACETABULAR CUP POSITIONER

161602A Acetabular Cup Positioner

Meyering Retractor



A heavy duty retractor for use around the hip. Much favoured by Marvin Olmstead.

MEYERDING RETRACTOR

150019 Meyering Retractor 16mm

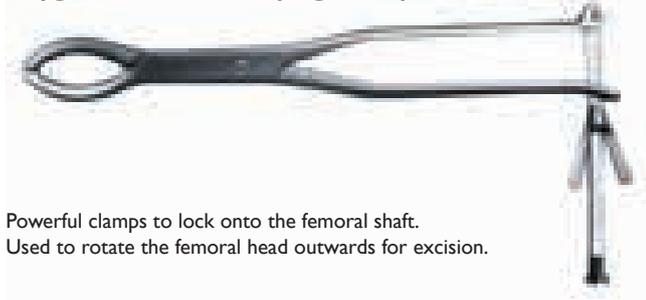
Hohman Retractor 20mm Wide with Short Kinked Tip

This Hohman is designed for femoral neck retraction for THR.



HOHMAN RETRACTOR 20MM WIDE WITH SHORT KINKED TIP
001039 Hohman 20mm Wide with Short Kinked Tip

Heygroves Femur Grasping Forceps



Powerful clamps to lock onto the femoral shaft. Used to rotate the femoral head outwards for excision.

HEYGROVES FEMUR GRASPING FORCEPS

150017 Heygroves Femur Grasping Forceps 10" Long

Lewin Femur Grasping Forceps



The curvature and multiple teeth of these forceps match almost exactly the profile of the large dog femur. Another Marvin Olmstead favourite.

LEWIN FEMUR GRASPING FORCEPS

150018 Lewin Femur Grasping Forceps

Total Hip Replacement Kit

The Total Hip Replacement Kit is a cost effective solution saving over 10% when compared to the component costs. The set also includes one of each implant.

Our Total Hip Replacement Kit includes the following:

INSTRUMENTS

- Cylindrical Rasp 6mm
- Cylindrical Rasp 8mm
- Femoral Rasp
- Femoral Reamer 8mm
- Femoral Reamer 6mm
- Acetabular Reamer Small
- Acetabular Reamer Medium
- Stem Positioner
- Cup Positioner
- Lewin Bone Holding Forceps
- Meyerdig Retractors x 2
- Trial Stem Small
- Trial Stem Large
- Trial Cup Small
- Trial Cup Medium

IMPLANTS

- Stem Small
- Stem Large
- Short Neck Ball
- Long Neck Ball
- Cup Small
- Cup Medium
- Training DVD
- Stainless Case

Please note that the kit does not include bone cement.

TOTAL HIP REPLACEMENT KIT

150001 Total Hip Replacement Kit

Bone Cement

DePuy CMW Bone Cement

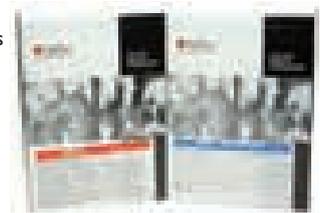
Designed for total hip replacement. CMW is the industry standard. Various options are available. Also useful in stabilisation of vertebral fractures/luxations.

CMW1 is a medium/high viscosity cement for digital application

CMW2 is a rapid set cement suitable for the acetabular cup via digital application.

CMW3 is a more fluid cement which is more appropriate for the femoral component. It is usually applied via a 50ml syringe.

CMW cement comes impregnated with Gentamycin which minimises post operative infection, the worst complication of the procedure.



CMW BONE CEMENT

- 160506 CMW1 no Gentamycin 40g
- 160500 CMW1 with Gentamycin 20g
- 160501 CMW2 with Gentamycin 20g
- 160503 CMW3 with Gentamycin 20g
- 160504 CMW3 with Gentamycin 40g

Veterinary Instrumentation Bone Cement



VETERINARY INSTRUMENTATION BONE CEMENT VACUUM MIX

- BC1 High Viscosity 40g
- BC1G High Viscosity 40g with Gentamycin
- BC3G Low Viscosity (syringe) 60g with Gentamycin
- CVAC Mixing System (unit)
- CGUN Application Gun
- BOWLSET Set of 3 Mixing Bowls
- SPATDISP Disposable Spatula - Non-sterile (100 units)
- SYRINGE 50ml Catheter Mount Syringe Sterile
- SPATULA Autoclavable Plastic Mixing Spatula

Antibiotic Impregnated Polymethacrylate Beads (AIPMMA)

Management of chronic local infections may benefit from the insertion of antibiotic impregnated polymethacrylate(AIPMMA) beads. The Beads are manufactured from sterile bone cement with the addition of appropriate antibiotic.

Indications include osteomyelitis and abscessation in the rabbit.

Veterinary Instrumentation offers two Kits for the preparation of AIPMMA Beads. Both Kits contain sufficient material for approximately 100 sterile Beads. Store unused beads in sterile containers for maximum shelf life.

Full instructions are included.

ANTIBIOTIC IMPREGNATED POLYMETHACRYLATE BEADS (AIPMMA)

- BC1GKIT AIPMMA Bead Kit with Gentamycin
- BC1KIT AIPMMA Bead Kit No Antibiotic

Arthrex Cue System



Medial compartment disease in dogs is a painful degenerative condition which is difficult to treat. Total Elbow Replacement is not as straightforward as Total Hip.

The advent of the Arthrex CUE System brings an alternative, less invasive, treatment option.

The System consists of humeral and ulnar components in 2 sizes, plus a small range of specialised instruments for implantation.

A Step by Step Guide and Brochure are available online or can be requested by calling 0845 130 9596.

Surgeons who wish to use the CUE System must first attend a CUE Training Course. These will be advertised on our website, and surgeons interested in attending should e-mail info@vetinst.com to register their interest.

CUE Surgical Technique

A summary of the surgical procedure supplied by Arthrex follows. A full version of this can be supplied free of charge from Veterinary Instrumentation. Either call 0845 130 9596 or visit our website www.vetinst.com.



Approach is medial either with tenotomy or with epicondylar osteotomy is selected. See full guide for more information.

Gelpis retract periarticular tissues. Assistant maintains valgus and internal rotation allowing CUE instrument to be placed perpendicular to the articular surfaces of the humeral condyle (MHC) and medial coronoid process (MCP).



Ulna Implant



Centre the appropriate size Ulna Drill Guide on the MCP, flush to the articular surface, and place a beath pin through the Ulna Drill Guide to exit the caudal ridge of the ulna. When the beath pin is properly placed, use the Ulna Drill (reamer) to create the ulnar socket.

Remove the beath pin, lavage and use the Ulna Trial to check proper reaming of the ulnar socket.



Proceed to place Humerus Implant before final placement of Ulna Implant

Humerus Implant



Place the appropriate sized Humerus Drill Guide on the humeral articular surface so that it most fully covers the humeral lesion, making sure it is flush with the articular surface and sagittally aligned. When the drill guide is optimally positioned, drill the beath pins through the guide and at least 15mm into the MHC, keeping the drill guide firm and flush with the articular surface.

Cut the beath pins as flush as possible to the guide. Remove the Humerus Drill guide and insert the Drill Stop over the beath pins.



After placing Humerus Implant, place the Ulna Implant in the Ulna Implant Holder. Make sure ridges and radiographic marker are facing out and implant it into the ulnar socket. Fully seat with the Ulna Tamp if necessary.



Place the Humeral Drill (reamer) in the Humerus Drill Stop and over the beath pins. Keeping the Humerus Drill pressed firm and flush against the articular surface, use the reamer to fully ream the first humeral socket, then flip the reamer and guide to fully ream the second humeral socket.



Arthrex Cue System Implants

ARTHREX CUE SYSTEM IMPLANTS

- VAR-7005-L** Canine Uni-compartmental Elbow Ulnar Large
- VAR-7005-M** Canine Uni-compartmental Elbow Ulnar Medium
- VAR-7000-L** Canine Uni-compartmental Elbow Humeral Large
- VAR-7000-M** Canine Uni-compartmental Elbow Humeral Medium

Place the Humerus Implant in the Humerus implant Holder so the bony ingrowth surface is facing out and implant into the humeral sockets.



Arthrex Cue System Equipment

ARTHREX CUE SYSTEM EQUIPMENT

- CUESET1** Vet CUE Set with Instrument Case
- CUESET2** Vet CUE Set without Instrument Case
- VAR-7001-L** Template Humerus CUE Large
- VAR-7001-M** Template Humerus CUE Medium
- VAR-7002-L** Trial Humerus CUE Large
- VAR-7002-M** Trial Humerus CUE Medium
- VAR-7003-L** Implant Inserter Hum CUE Large
- VAR-7003-M** Implant Inserter Hum CUE Medium
- VAR-7004** Tamp Humerus CUE
- VAR-7006-L** Trial Ulna CUE Large
- VAR-7006-M** Trial Ulna CUE Medium
- VAR-7007-L** Implant Inserter Ulna CUE Large
- VAR-7007-M** Implant Inserter Ulna CUE Medium
- VAR-7011-L** Drill Humerus CUE Large
- VAR-7011-M** Drill Humerus CUE Medium
- VAR-7012-L** Drill Stop Humerus CUE Large
- VAR-7012-M** Drill Stop Humerus CUE Medium
- VAR-7014-L** Drill Ulna CUE Large
- VAR-7014-M** Drill Ulna CUE Medium
- VAR-7015-L** Guide Ulna CUE Large
- VAR-7015-M** Guide Ulna CUE Medium
- VAR-7016** Tamp Ulna CUE
- VAR-7020C** Vet CUE Instrument Case
- AR-1250L** Drill Tip Guide Pins 2.4mm - Pack of 6 (Beath Pin)
- BRCUE** Arthrex CUE Literature



Use the Humerus tamp to fully seat the Humerus Implant.

Now complete insertion of the Ulna Implant

GenuSys Total Stifle Replacement

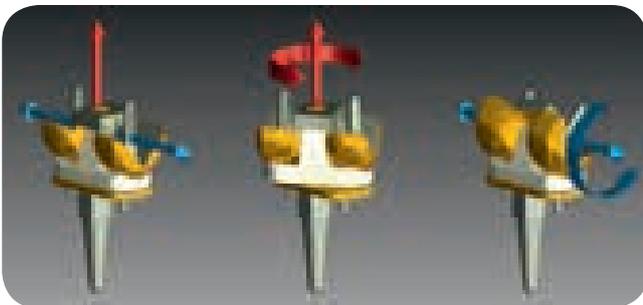


As we have come to expect from Innoplant, the instrumentation is very well thought out with a set of easy to use gauges to guide the osteotomies.



The learning curve is reportedly short. For more information, please e-mail info@vetinst.com

GenuSys is an unconstrained, uncemented stifle replacement system developed by the late Volker Hach. The system features 3 articulating components providing maximum range of movement with the minimum of constraining forces helping to reduce wear and prolong implant longevity. The system shows high stability against luxation.



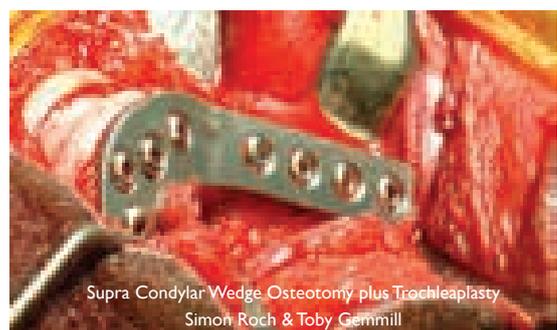
The main femoral and tibial components are cobalt chrome with a porous titanium coating for bone ongrowth and titanium nitride bearing surfaces for low friction and high wear resistance. The components are available in four sizes with each UHMWPE tibial inlay available in two thicknesses aiding adjustment of ligament tensions intraoperatively.



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