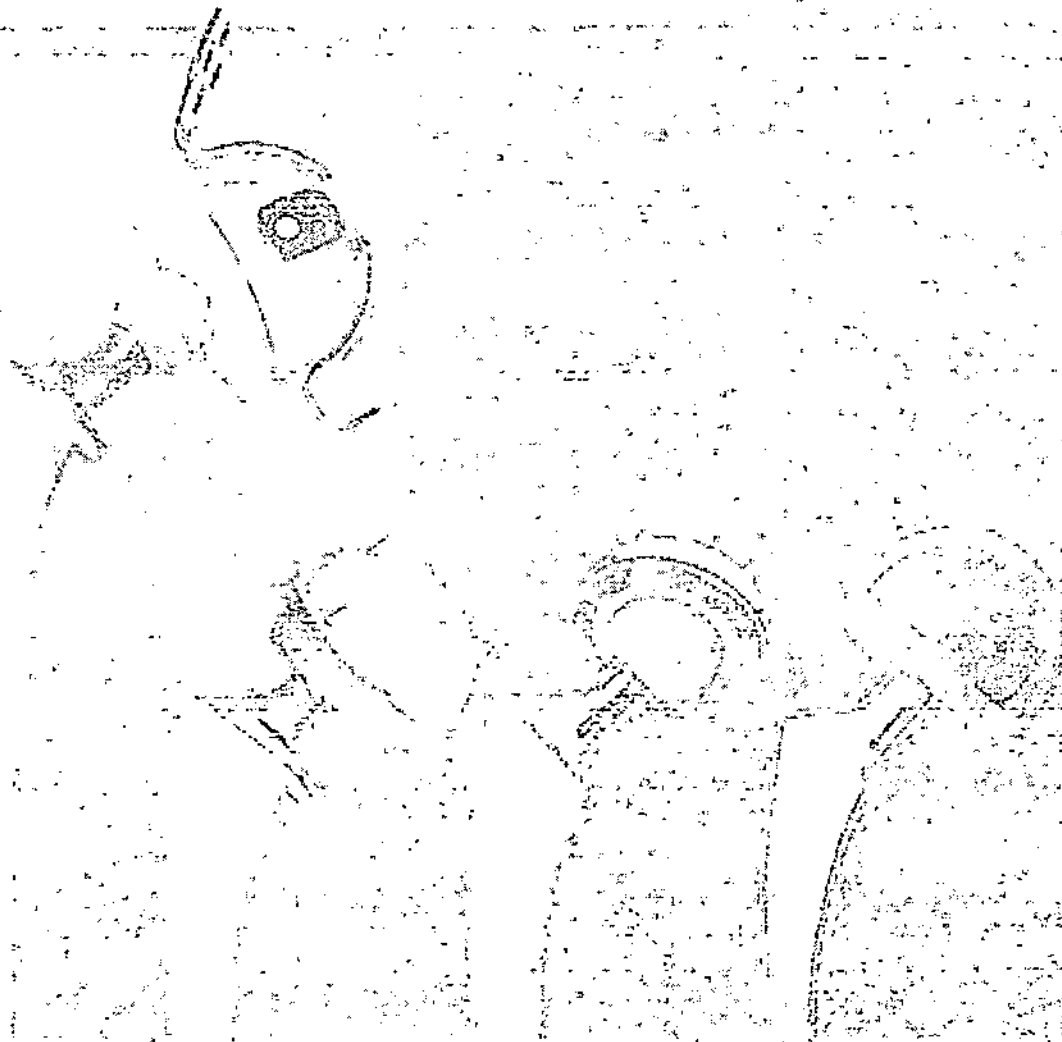


Hip Arthroplasty

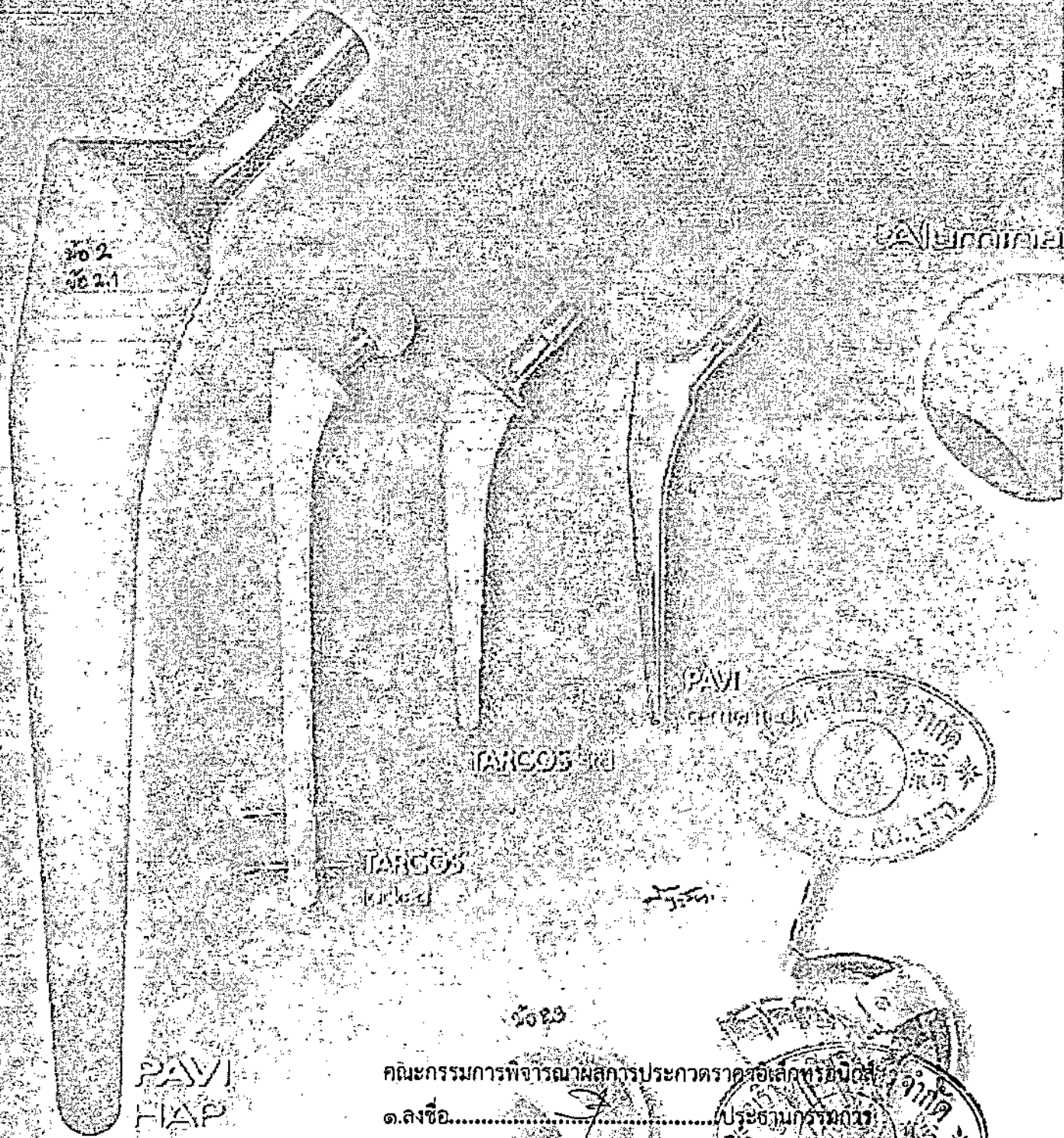


คณะกรรมการพิจารณาผลการประกาศราคาซื้อเสกหรือสินค้า
๑. ลงชื่อ..... ประธานกรรมการ
๒. ลงชื่อ..... กรรมการ
๓. ลงชื่อ..... กรรมการ



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Several configurations for clinic



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Expolar cup Unit Acetoximil COOL system Water.



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Illy validated implants



PAVI screw acetabular cup

HEAD



Stainless steel HEAD

๕๖๖๓



Quattro VPS HAP



Acetabular cup Marc K



๕๖๖๓



Cemented acetabular cup

Constrained cemented acetabular cup

๕๖๖๓

คณะกรรมการพิจารณาผลการประกวดรางวัลดีเด่นประจำปี ๒๕๕๓

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กรรมการ

A wide range of functional femoral

A single comprehensive range of instruments matching any configuration

① Self-locking quadrangular shape based upon long term proven clinical performances.

ข้อ ๓/๕๖๘๖๖

② Two distinct ranges of cementless femoral stems offering optional collar (TARGOS, PAVI), and available in both 160° and 135° cervico diaphyseal angles.

ข้อ ๕/๕๐ 5.3.1

✓ ③ Double coating by vacuum plasma spraying including an underlayer of progressively decreasing thickness of porous titanium (T40) and Hydroxyapatite stimulating osteogenesis.

✓ ④ 12/14 taper, in compliance with European standards

⑤ Mirror-polished elliptical neck profile ensuring the widest possible range of motion.

คณะกรรมการพิจารณาผลการประกวดราคา

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ประธานกรรมการ

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กรรมการ

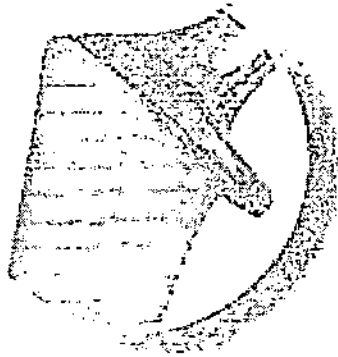
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กรรมการ



al stems

ge of
'ation



TARGOS (corked) with std HAP (130°)

Sizes range from 9 to 16"

TARGOS (corked) with dte HAP (135°)

Sizes range from 9 to 16"

PAVI[®] (corked) with varus (130°)

Sizes range from 9 to 16"

PAVI[®] (corked) with std (135°)

Sizes range from 9 to 16"

PAVI[®] cemented (corked) with (135°)

Sizes range from 9 to 16"

Stainless steel head 12/14 O 27.2 mm

From medium to long neck"

Stainless steel head 12/14 O 28 mm

From short to X-long neck"

Alumina head 12/14 O 28 mm

From short to long neck"

Alumina head 12/14 O 32 mm

From short to long neck"



Model 100110, 02, complete instructions for



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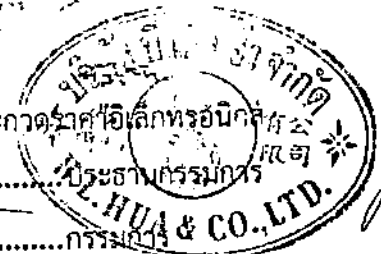
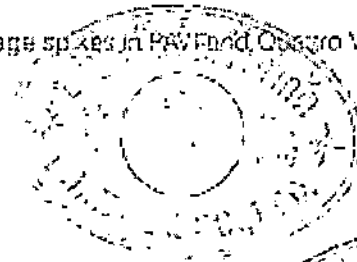
Acetabular systems: a unique fe

Exclusively built
clinically proven con

- ⊗ Charnley acetabular cup
- ⊗ ceramic-on-ceramic,
- ⊗ dual-mobility system,
- ⊗ constrained acetabular cup
- ⊗ or bipolar cup.

⊗ Various fixation options reinforcing the stability of the cementless press-fitted acetabular components:

- ⊗ Fixation screws available in PAWL screw range
- ⊗ Anchorage spikes in PAWL End, Quesada VPS range



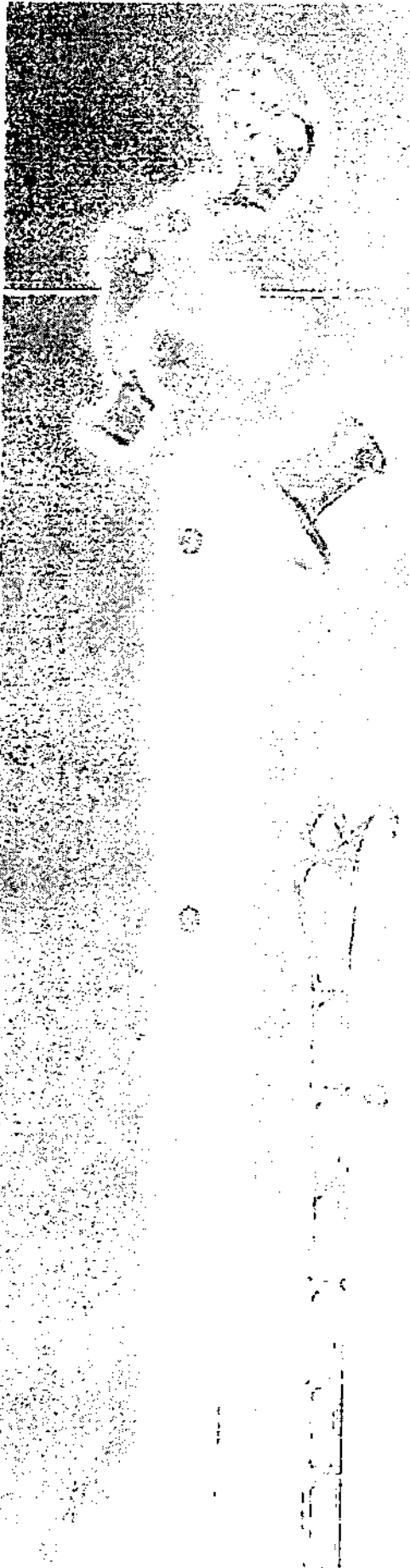
คณะกรรมการพิจารณาผลการประกวดราคาอิเล็กทรอนิกส์

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ประธานกรรมการ
กรรมการ

HUA & CO., LTD.
กรรมการ

A simple solution for reconstructio



... while preserv
the surrounding bone

- 1. The acetabular reinforcement cross acts as a guide and metallic reinforcement during bone reconstruction.
- 2. Straight distal geometry of the femoral component designed to achieve strong bone-implant interlock. The stem is cylindrically shaped and available in a broad range of diameters this will ensure optimal anchorage without draw back of modular configurations which could compromise the mechanical stability of the implant.
- 3. The TARGOS locked stem has been specifically designed to provide optimal fit of the proximal femur. It is entirely suitable for standard approach while preserving the greater trochanter.
- 4. In case of a femorotomy, the INTEGRA fixation plate is a valuable option for easy and long-term reconstruction. hip surgery via transfemoral approach

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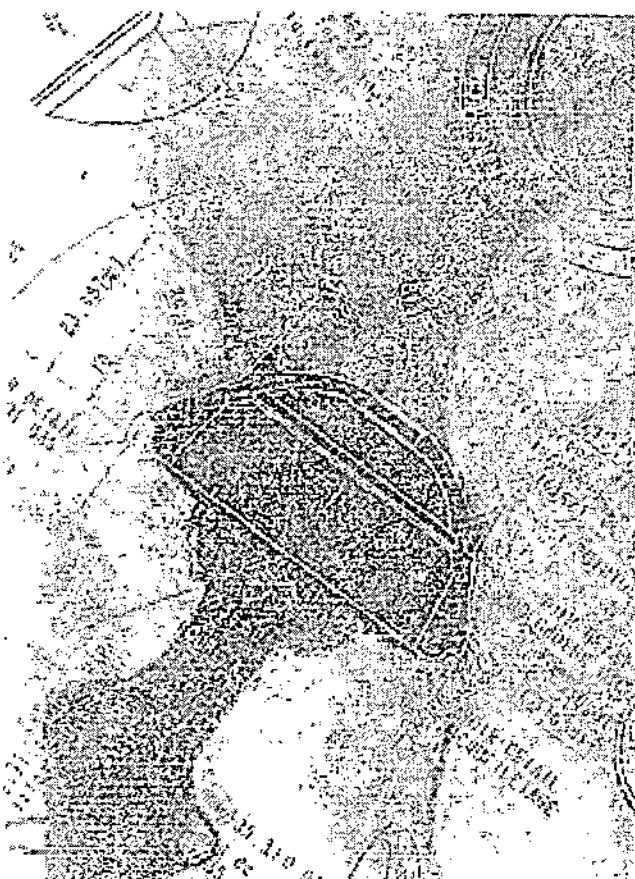


My

กรรมการ

Structure for long-term stability

upon
cepts



PAVP screw (retained cup)

Sizes range from 46 to 62°



PAVP screw (retained cup) Std

Sizes range from 46 to 62°



Alumina (cup)

Sizes range from 46 to 62, Ø 28 and 32 mm*



Polyethylene insert with 10° rim

Sizes range from 46 to 62, Ø 22.2 and 28 mm*



Quattro VPS (retained cup) HAP

Sizes range from 46 to 62°



Cemented (retained cup) Quattro

Sizes range from 44 to 62°



Dual ceramic acetabular liner

Sizes range from 44 to 60, Ø 22.2 and 28 mm*



Cemented (retained cup) Mwc K

Sizes range from 46 to 60, Ø 22.2 mm*



Cemented (retained cup) flat & covering

Sizes range from 46 to 58, Ø 28 mm*



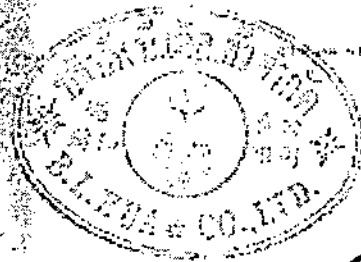
Constrained cemented (retained cup)

Sizes range from 46 to 58, Ø 22.2 and 28 mm*



Bipolar cup Uni

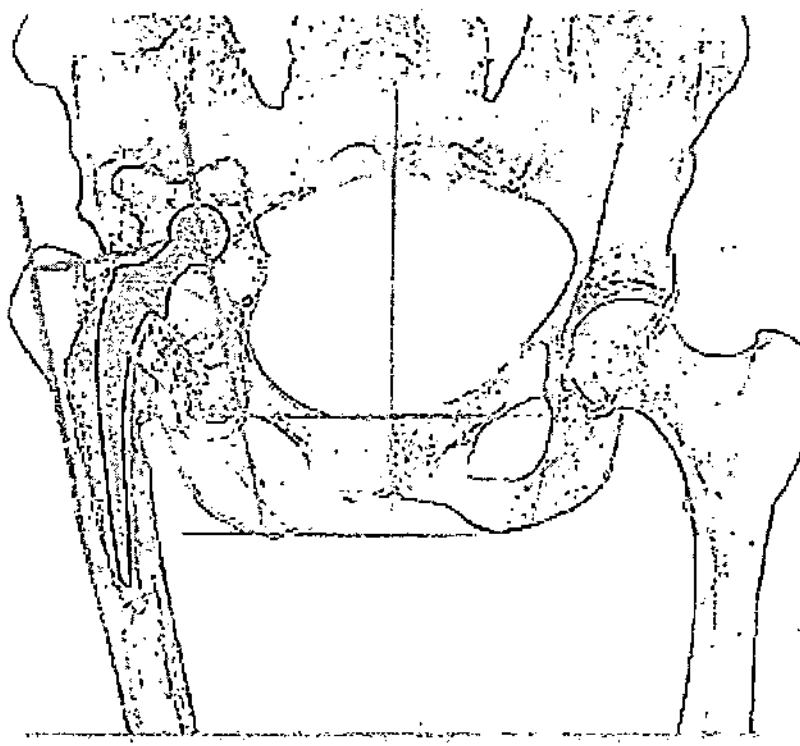
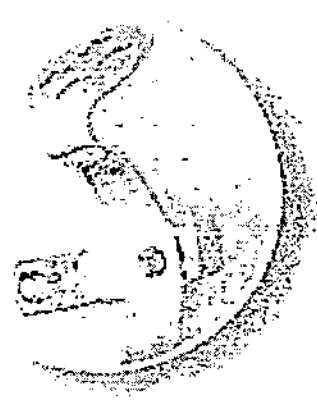
Sizes range from 42 to 50, Ø 22.2 and 28 mm*



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Indication

Driving
stock



TARGOS femoral stem with locking option
Ø 12, 14 and 16, length 200, 250 and 300*

Locking screws Ø 5,5 mm
Length 25 to 55 mm*

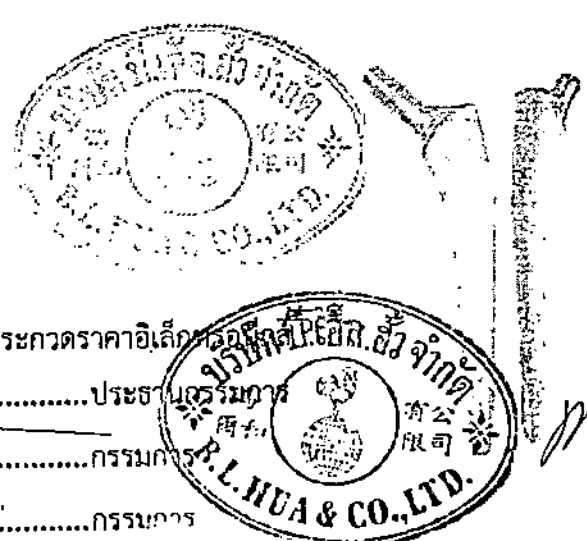
Adjusting screws
Length 30 to 35 mm*

Epiphyseal plate INTEGRA

Acetabular cross system INTEGRAL
Sizes range 1 to 6, right and left*

Cortical screws Ø 5 mm
Length 40 to 60*

Constrained cemented acetabular cup
Size range 45 to 55, Ø 22.2 and 28 mm*

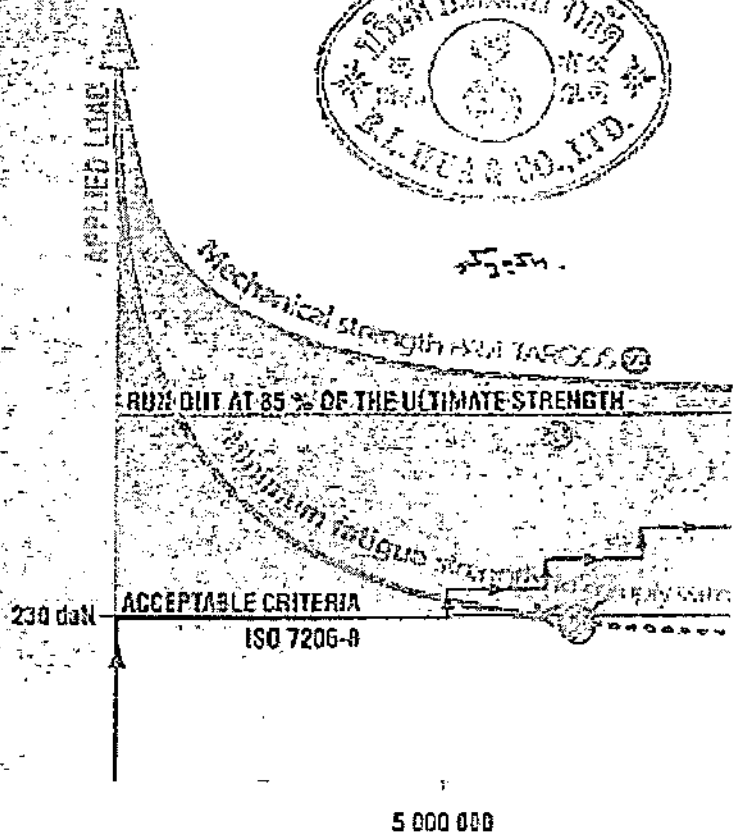


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Long-term endurance properties

Demonstrating higher performance than standard specifications



① The smallest size stem was tested by minimum standard requirements until applying a progressively increasing loadments of 50 daN (Locati test).

② The theoretical ultimate strength of the was therefore as being 3 times higher than the minimum criteria.



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Endurance properties of the component sequentially validated under cyclic loading minimum load of 50 daN (theoretical strength) (Run out for 5 million cycles)

IMPLANTS REFERENCES

Range of primary femoral stems

TARGOS femoral stem, standard HAP 130°

Size	Length	Ref.
9	130	HIT SH009
10	140	HIT SH010
11	145	HIT SH011
12	150	HIT SH012
13	155	HIT SH013
14	160	HIT SH014
15	165	HIT SH015
16	170	HIT SH016

TARGOS femoral stem, ctc HAP 135°

Size	Length	Ref.
9	130	HIT TH009
10	140	HIT TH010
11	145	HIT TH011
12	150	HIT TH012
13	155	HIT TH013
14	160	HIT TH014
15	165	HIT TH015
16	170	HIT TH016

PAVI® femoral stem, varus 130°

Size	Length	Ref.
10	140	H015 0110
11	145	H015 0111
12	150	H015 0112
13	155	H015 0113
14	160	H015 0114
15	165	H015 0115
16	170	H015 0116

NO. 203-3

PAVI® femoral stem, standard 135°

Size	Length	Ref.
9	130	H015 0009
10	140	H015 0010
11	145	H015 0011
12	150	H015 0012
13	155	H015 0013
14	160	H015 0014
15	165	H015 0015
16	170	H015 0016

femoral 783

783

PAVI® cemented stem 135°
Stainless steel M30NW

Size	Length	Ref.
8	100	H015 0208
9	130	H015 0209
10	140	H015 0210
11	145	H015 0211
12	150	H015 0212
13	155	H015 0213
14	160	H015 0214

Stainless steel M30NW
femoral head 12/14

Size	Diameter	Ref.
Standard neck (0)	22.2	HIT CM422
Long neck (-5)	22.2	HIT CL422
Short neck (+3.5)	28	HIT CC422
Standard neck (0)	28	HIT CA422
Long neck (-3.5)	28	HIT CL423
X-Long neck (+7)	28	HIT CA423

Alumina
femoral head 12/14

Size	Diameter	Ref.
Short neck (-3.5)	28	HAT CM423
Standard neck (0)	28	HAT CL423
Long neck (+3.5)	28	HAT CA423
Short neck (-4)	32	HAT CC432
Standard neck (0)	32	HAT CA432
Long neck (+4)	32	HAT CL432

Range of revision - reconstruction implants

TARGOS femoral stem with locking option

Size	Length	Ref.
12	200	HIT YH220
12	250	HIT YH225
12	300	HIT YH230
14	200	HIT YH420
14	250	HIT YH425
14	300	HIT YH430
16	200	HIT YH620
16	250	HIT YH625
16	300	HIT YH630

Locking screw Ø6.5 mm

Length	Ref.
25	HIV 55025
33	HIV 55030
32	HIV 55032
34	HIV 55034
35	HIV 55035
38	HIV 55038
43	HIV 55043
45	HIV 55045
53	HIV 55050
55	HIV 55055

Adjusting screw

Length	Ref.
20	HIV CR320
35	HIV CR350

Acetabular cross system M-Luc K

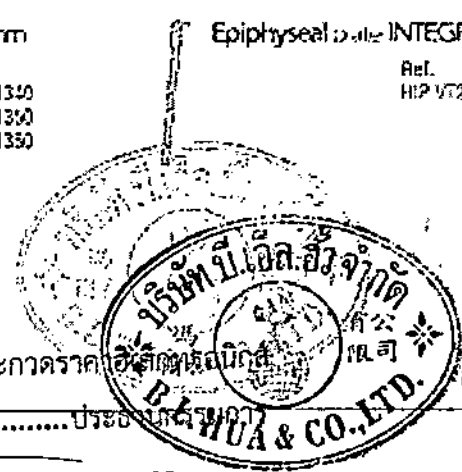
Size	Side	Ref.
1	right	SI2203651
2	right	SI2203662
3	right	SI2203673
4	right	SI2203684
5	right	SI2203695
6	right	SI2203706
1	left	SI2203717
2	left	SI2203728
3	left	SI2203739
4	left	SI2203750
5	left	SI2203761
6	left	SI2203772

Cortical screw Ø5 mm

Length	Ref.
10	SI3351340
20	SI3351350
30	SI3351360

Epiphyseal plate INTEGRA

Ref.
HIP VT250



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IMPLANTS REFERENCES

Range of primary acetabular components



PAVI[®] screw acetabular cup

Size	Ref.
46	A011 1046
48	A011 1048
50	A011 1050
52	A011 1052
54	A011 1054
56	A011 1056
58	A011 1058
60	A011 1060
62	A011 1062



PAVI[®] acetabular cup

Size	Ref.
46	A011 0040
48	A011 0048
50	A011 0050
52	A011 0052
54	A011 0054
56	A011 0056
58	A011 0058
60	A011 0060
62	A011 0062



Alumina insert

Size	Diameter	Ref.
46/28.50	28	A011 0100
52/34	32	A011 0101
58/55	32	A011 0102
60/62	32	A011 0103



Polyethylene insert with 70° rim

Size	Diameter	Ref.
46-48-50	22.2	A011 0210
52-54	22.2	A011 0211
56-58	22.2	A011 0212
60-62	22.2	A011 0213
48-48-60	28	A011 0230
52-54	28	A011 0231
56-58	28	A011 0232
60-62	28	A011 0233



Dual articulation acetabular liner

Size	Diameter	Ref.
44	22.2	HON DP244
46	22.2	HON DP246
48	22.2	HON DP248
50	22.2	HON DP250
52	22.2	HON DP252
54	22.2	HON DP254
56	22.2	HON DP256
58	22.2	HON DP258
60	22.2	HON DP260
48	28	HON DA1848
50	28	HON DA1850
52	28	HON DA1852
54	28	HON DA1854
56	28	HON DA1856
58	28	HON DA1858
60	28	HON DA1860



Quattro VPS acetabular cup HAP

Size	Ref.
46	HOC HV046
48	HOC HV048
50	HOC HV050
52	HOC HV052
54	HOC HV054
56	HOC HV056
58	HOC HV058
60	HOC HV060



Cemented acetabular cup Quattro

Size	Ref.
44	HOC C044
46	HOC C046
48	HOC C048
50	HOC C050
52	HOC C052
54	HOC C054
56	HOC C056
58	HOC C058
60	HOC C060
62	HOC C062



Cemented acetabular cup flat

Size	Diameter	Ref.
46	28	HL3003-028-46
50	28	HL3003-028-50
52	28	HL3003-028-52
54	28	HL3003-028-54
56	28	HL3003-028-56



Cemented acetabular cup covering

Size	Diameter	Ref.
46	28	HCP C046
50	28	HCP C050
52	28	HCP C052
54	28	HCP C054
56	28	HCP C056



Cemented acetabular cup Marc K

Size	Diameter	Ref.
40	22.2	SI0200901
44	22.2	SI0200903
46	22.2	SI0200905
50	22.2	SI0200907
56	22.2	SI0200909
60	22.2	SI0200911



Constrained cemented acetabular cup

Size	Diameter	Ref.
46	22.2	HL3003-122-46
48	22.2	HL3003-122-48
50	22.2	HL3003-122-50
46	28	HL3003-128-46
50	28	HL3003-128-50
52	28	HL3003-128-52
54	28	HL3003-128-54
56	28	HL3003-128-56



Bipolar cup UHL

Size	Diameter	Ref.
40	22.2	UHL-22-40 ✓
42	22.2	UHL-22-42 ✓
44	22.2	UHL-22-44 ✓
46	22.2	UHL-22-46 ✓
48	22.2	UHL-22-48 ✓
50	22.2	UHL-22-50 ✓
52	22.2	UHL-22-52 ✓
54	22.2	UHL-22-54 ✓
56	22.2	UHL-22-56 ✓
58	22.2	UHL-22-58 ✓
40	28	UHL-28-40 ✓
44	28	UHL-28-44 ✓
46	28	UHL-28-46 ✓
48	28	UHL-28-48 ✓
50	28	UHL-28-50 ✓
52	28	UHL-28-52 ✓
54	28	UHL-28-54 ✓
56	28	UHL-28-56 ✓
58	28	UHL-28-58 ✓
60	28	UHL-28-60 ✓



Cancellous screw 5.5

Length	Ref.
15	HUV 55015
20	HUV 55020
25	HUV 55025
30	HUV 55030
35	HUV 55035
40	HUV 55040
45	HUV 55045
50	HUV 55050
55	HUV 55055
60	HUV 55060

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UHL Universal bipolar cup

A reliable and reproducible solution for femoral neck fractures



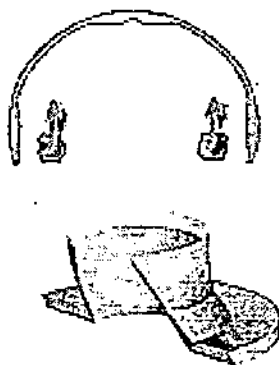
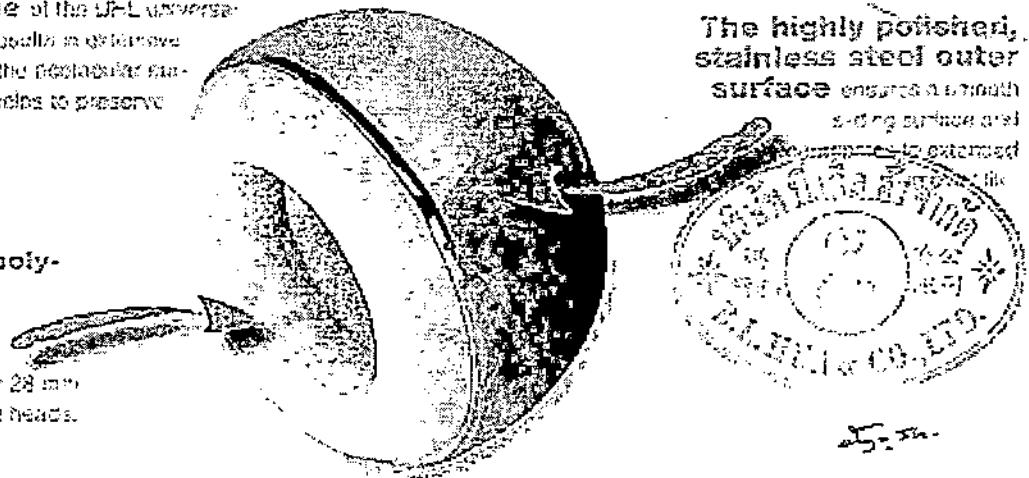
Design

The design of the UHL universal bipolar cup is based on proven principles for the treatment of femoral neck fractures. It is an optimal intermediate hip prosthesis - simple to use and made of reliable materials.

The shape of the UHL universal bipolar cup results in a gliding contact with the prosthetic surface, which helps to preserve cartilage.

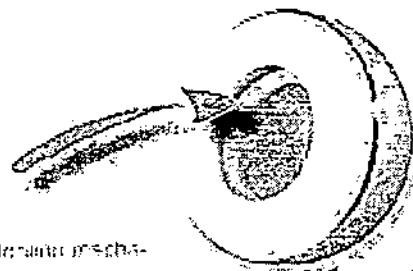
The inner polyethylene surface articulates with 22.5 mm or 28 mm diameter metal heads.

The highly polished, stainless steel outer surface ensures a smooth sliding surface and helps to extend the life of the prosthesis.



Locking mechanism

The UHL universal cup has a novel mechanical mechanism for locking.



Indications

- The UHL bipolar cup was designed to treat elderly patients who have an arthritis-irco, femoral neck fracture.
- Indications for use of the UHL bipolar cup are:
 - Femoral neck fracture in patients above 65 years of age. HAS 2007
 - Femoral neck fracture in patients less than 65 years of age, but with an activity level corresponding to a Parker score of 5 or less. HAS 2007

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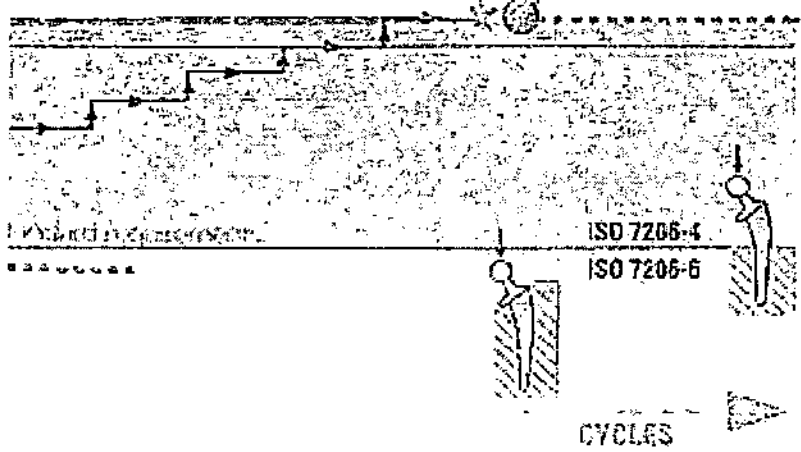
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for optimal safety

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LOADING, UNTIL FAILURE OF THE IMPLANT



and the
failure, by
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ultimate

Titanium alloy
Cementless stems and cups are made from wrought titanium 6 - aluminum 4 - vanadium alloy (TA6V) in compliance with ISO 5832-3 standards.

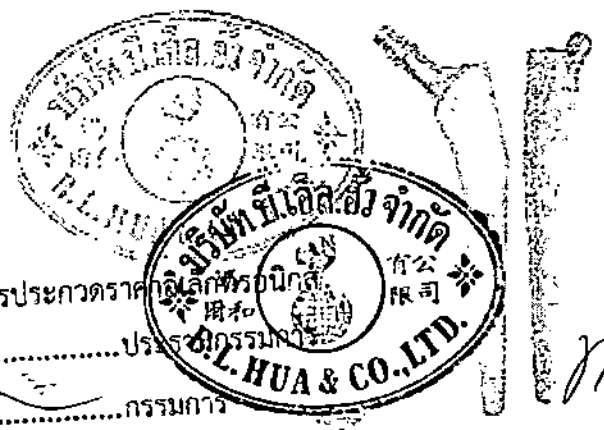
Stainless steel
Cemented stems, stainless heads, Diastra cemented acetabular component and reinforcement cross are manufactured from wrought high nitrogen stainless steel, in compliance with ISO 5832-0 standards.

Cobalt Chromium alloy
Cemented acetabular cups Quattro are manufactured from wrought Cobalt, Chromium and Molybdenum alloy, in compliance with ISO 5834-2 standards.

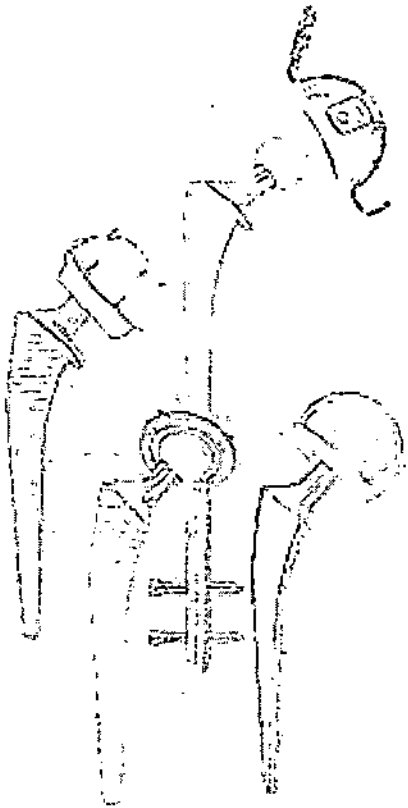
Polyethylene
Liners and cemented cups are manufactured from ultra-high-molecular-weight polyethylene (UHMWPE), in compliance with ISO 5834-2 standards.

Ceramic
Ceramic femoral heads and acetabular liners are based on high purity alumina, in compliance with ISO 6474 standards (CERAMTEC).

Coating
The chemical characteristics of hydroxyapatite are determined and validated for each spraying cycle, in compliance with ISO 15779-3 standards. Tensile adherence of hydroxyapatite was determined in compliance with ISO 15779-4 standards.



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 ๓. ลงชื่อ.....



This range of complementary and compatible hip components offers a secure solution for almost any patient scenario. It is based upon a successful industrial and clinical experience with more than 50 000 cases performed.

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 ๑.ลงชื่อ.....ประธานกรรมการ
 ๒.ลงชื่อ.....กรรมการ
 ๓.ลงชื่อ.....

วันที่ 11/11/27

Rechercher la stabilité / Research the stability

En version cimentée ou sans ciment, les gammes de tiges PAVI garantissent une sécurité d'utilisation optimale.

Cemented or cementless, the range of femoral stem PAVI guarantee an optimal security.

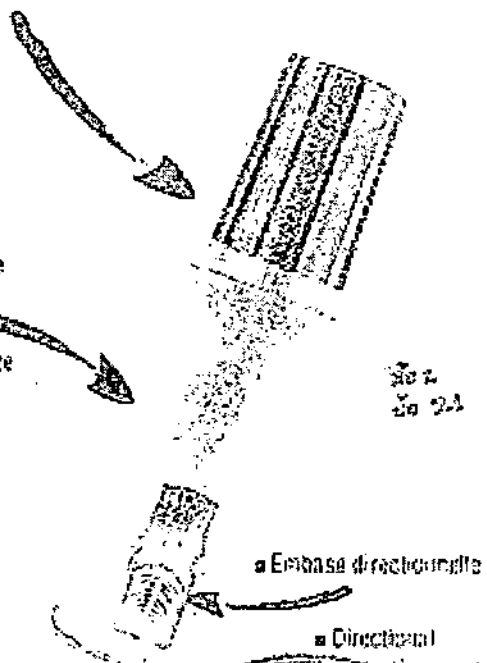
- Cône 12/14 acceptant les têtes céramiques de chez CERAMTEC® (avec cône standard Européen).
- 12/14 cone compatible with CERAMTEC® ceramic heads (with European standard cone)

■ Col cylindrique, afin d'éviter l'effet come (unringement).

■ Cylindric neck in order to minimize the risk of unringement

■ Surface complètement revêtue, dont 14ans poreux sur 50 % de la partie proximale

■ Surface entirely coated (poreux titanium on 50 % of the proximal part)



IMPLANTS

Tige PAVI variée / PAVI Femoral Stem, varus
Angle cervico-diaphysaire de 130°
Neck length: 150

Label / Size	Long / Length	Ref
10	145	10215 0010
11	145	10215 0011
12	150	10215 0012
13	155	10215 0013
14	160	10215 0014
15	165	10215 0015
16	170	10215 0016

Tige STANDARD sans ciment / PAVI Femoral Stem, standard

Label / Size	Long / Length	Ref
10	140	10215 0009
11	145	10215 0010
12	150	10215 0011
13	155	10215 0012
14	160	10215 0013
15	165	10215 0014
16	170	10215 0015

Tige STANDARD à ciment / Cemented standard stem

Label / Size	Long / Length	Ref
10	140	10215 0008
11	145	10215 0009
12	150	10215 0010
13	155	10215 0011
14	160	10215 0012
15	165	10215 0013
16	170	10215 0014

GAMME / RANGE

■ Chacune des gammes standard (angle cervico-diaphysaire de 130°) et etc (angle cervico-diaphysaire de 135°) comprend 8 tailles, de la taille 10 à 16.

■ Each of the two ranges standard (neck-stalk angle to 130°) and etc (neck-stalk angle to 135°) consists of 8 femoral stem sizes (8 through 16)

Têtes alumine / Alumina Femoral Heads
12/14 u 31

Col 12/14 (12.2)
Standard (12.2)
Col 14/14 (14)
Standard (14)
Col 16/14 (16.2)
Standard (16.2)

Têtes alumine / Alumina Femoral Heads
12/14 u 32

Col court (12.2)
Standard (12.2)
Col long (14)
Standard (14)
Col long (16.2)
Standard (16.2)

Têtes inox / Stainless steel Femoral Heads
12/14 u 32 u 33

Col moyen (12)
Standard (12)
Col long (14)
Standard (14)

Têtes inox / Stainless steel Femoral Heads
12/14 u 32

Col court (12)
Standard (12)
Col long (14)
Standard (14)

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 ๑. ชื่อ.....
 ๒. ลงชื่อ.....กรรมการ
 ๓. ชื่อ.....กรรมการ

UHL

Universal bipolar cup

รูป 2

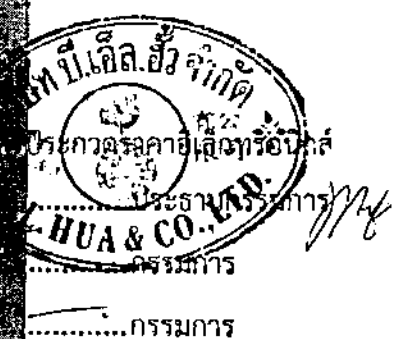


รูป 2-2

รูป 2-1

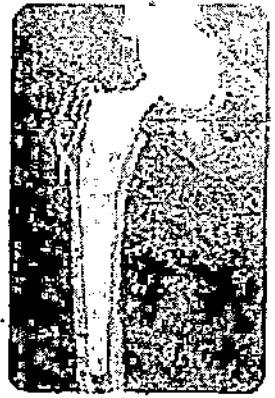
รูป 2-3

groupe lepine

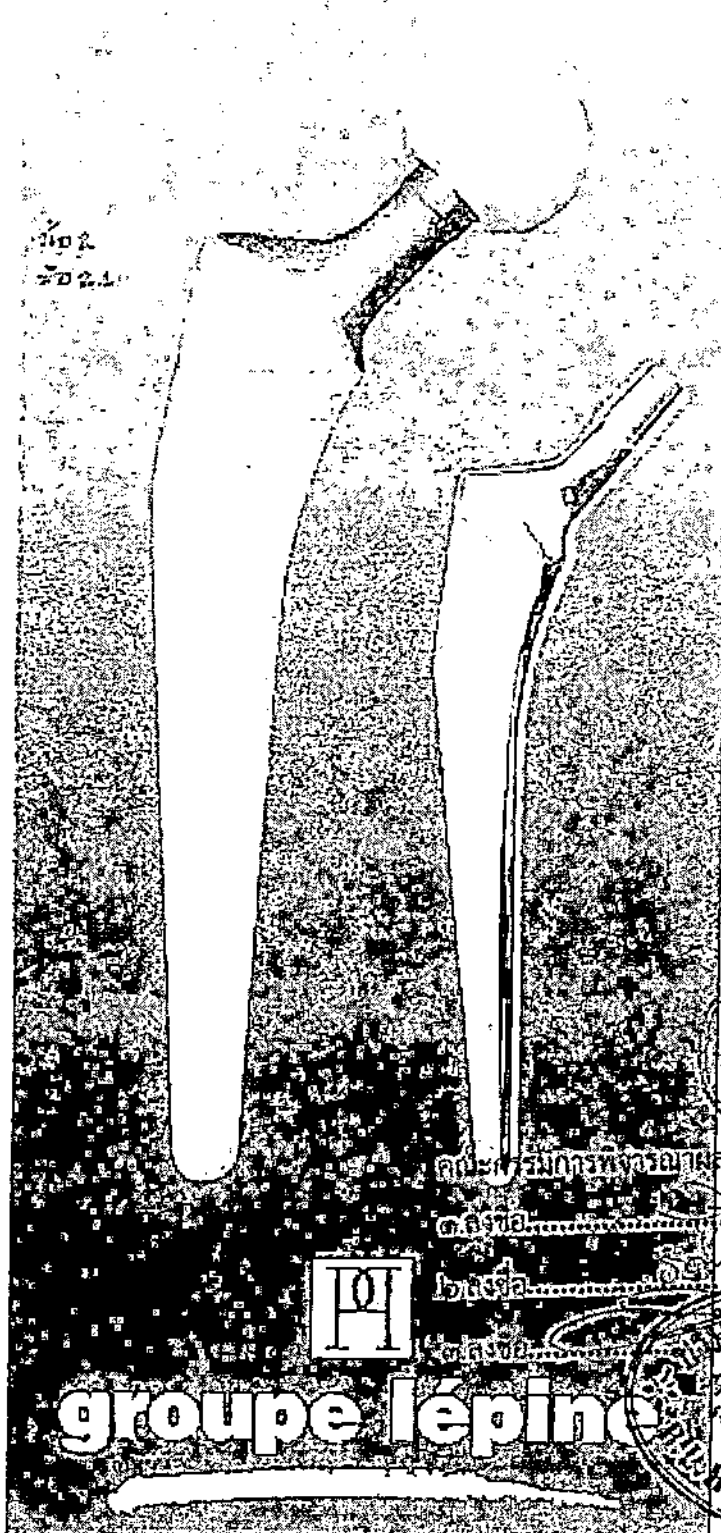


กรรมการ

pavi®



**Tige fémorale
avec ou sans ciment /
Cemented or cementless
femoral stem**



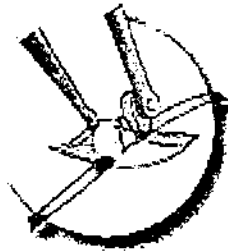
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Surgical technique

1 Cut the femoral head



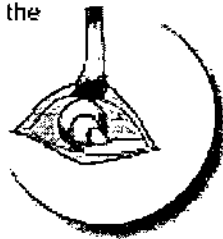
2 To determine the appropriate head size, slide the widest part of the femoral head into the slot of the graduated sizer.



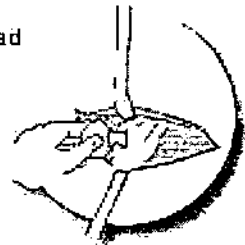
3 Use either the green (for a 22.2 mm head) or blue (for a 28 mm head) trial cup to test the stability of the joint.



4 Check that the cup retains the head.



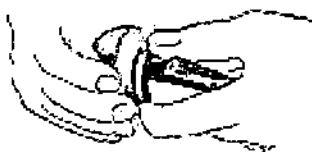
5 Impact the femoral head into the LHL bipolar cup



It is NOT recommended that a reduction test be performed with the chosen bipolar cup as the head could get stuck, which would require extraction with the separation wrench.

Use of separation wrench

After dislocating the components (LHL cup, head), choose the wrench that corresponds to the diameter of the chosen cup.
Place the wrench around the neck so that it comes up against the ring inside the cup.



Use a gauze pad to hold on to the cup.
Place your index and middle finger at the top of the wrench.
At the same time, press the palm of your hand on the cup along the axis of the neck.

Press the wrench into the cup with the pressure of your fingers.
Separate the head from the cup.

๑.ลงชื่อ.....
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UHL Universal bipolar cup

A reliable and reproducible solution for femoral neck fractures



Design

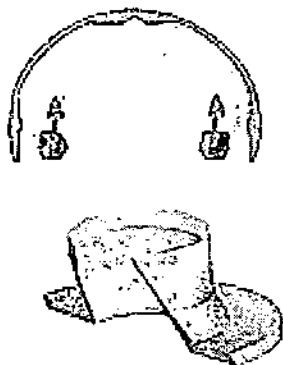
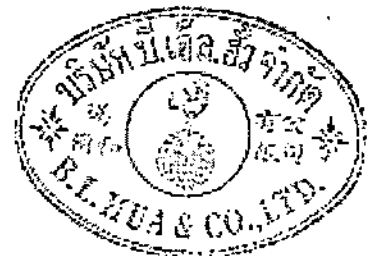
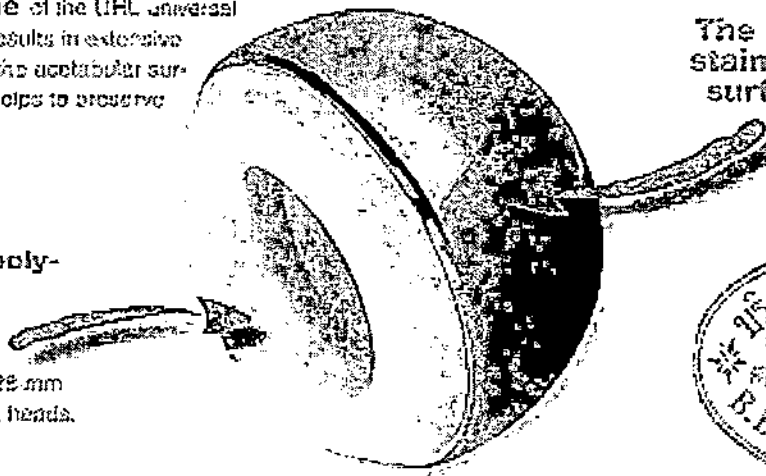
The design of the UHL universal bipolar cup is based on proven principles for the treatment of femoral neck fractures. It is an optimal intermediate hip prosthesis - easy to use and made out of reliable materials.

รูป 3.3

The shape of the UHL universal bipolar cup results in extensive contact with the acetabular surface, which helps to preserve cartilage.

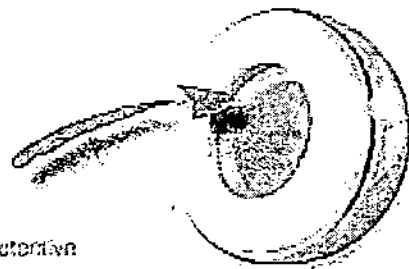
The highly polished, stainless steel outer surface ensures a smooth sliding surface and contributes to an extended implant life.

The inner polyethylene surface articulates with 22 mm or 28 mm diameter mobile heads.



Locking mechanism

The UHL bipolar cup has a unique retentive mechanism, an internal ring to prevent dislocation.



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๒. ลงชื่อ..... กรรมการ

๓. ลงชื่อ..... กรรมการ

Indications

☑ The UHL bipolar cup was designed to treat elderly patients who have an arthritis-free femoral neck fracture.

☑ Indications for use of the UHL bipolar cup are:

- Femoral neck fracture in patients above 85 years old. HAS 2007

- Femoral neck fracture in patients less than 85 years old, but with an activity level corresponding to a Parker score of 5 or less. HAS 2007



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