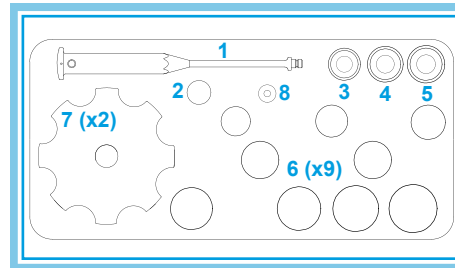


INSTRUMENTATION NOMENCLATURE

01.25S.300 MEDACTA® ENDO HEAD INSTRUMENT SET

01.25.10.001 MEDACTA® ENDO HEAD TEMPLATES



REF.	Description		Quantity	N°
01.26.10.0001* or 01.26.10.0004	Short multifunction handle or Long multifunction handle		1	1
01.08.10.0001	Impactor adapter for multifunction handle		1	2
01.25.10.002	Trial Adapter Small		1	3
01.25.10.003	Trial Adapter Medium		1	4
01.25.10.004	Trial Adapter Large		1	5
01.25.10.040 01.25.10.042 01.25.10.044 01.25.10.046 01.25.10.048 01.25.10.050 01.25.10.052 01.25.10.054 01.25.10.056	Trial Endo Head Ø 40 mm Trial Endo Head Ø 42 mm Trial Endo Head Ø 44 mm Trial Endo Head Ø 46 mm Trial Endo Head Ø 48 mm Trial Endo Head Ø 50 mm Trial Endo Head Ø 52 mm Trial Endo Head Ø 54 mm Trial Endo Head Ø 56 mm		9	6
01.08.10.0030 01.08.10.0031	Femoral Head Sizer Range 39/46 Femoral Head Sizer Range 47/56		2	7
01.25.10.005	Trial Extractor		1	8
01.08.10.0033	Empty Instrumentation Tray			
02.02.10.0413*	External Tray for sterilization			

*Only on request

Part numbers subject to change.

Note for sterilization: the instrumentation is not sterile upon delivery. It must be cleaned before use and sterilised in an autoclave respecting the regulations of the country, EU directives where applicable and following the instruction for use of the autoclave manufacturer. For detailed instructions please refer to the document "Recommendations for cleaning decontamination and sterilization of Medacta® International reusable orthopaedic devices" available at www.medacta.com.

Medacta® is registered trademark of Medacta International SA, Castel San Pietro, Switzerland.

IMPLANTS NOMENCLATURE

MEDACTA® ENDO HEAD		
DIAMETER (mm)	SIZE	REFERENCE
40	S	01.25.140S
40	M	01.25.140M
40	L	01.25.140L
42	S	01.25.142S
42	M	01.25.142M
42	L	01.25.142L
44	S	01.25.144S
44	M	01.25.144M
44	L	01.25.144L
46	S	01.25.146S
46	M	01.25.146M
46	L	01.25.146L
48	S	01.25.148S
48	M	01.25.148M
48	L	01.25.148L
50	S	01.25.150S
50	M	01.25.150M
50	L	01.25.150L
52	S	01.25.152S
52	M	01.25.152M
52	L	01.25.152L
54	S	01.25.154S
54	M	01.25.154M
54	L	01.25.154L
56	S	01.25.156S
56	M	01.25.156M
56	L	01.25.156L

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Medacta Endo Head
Surgical Technique
ref: 99.18.12
rev.03

CE 0476



INTRODUCTION

Femoral neck fracture and femoral head necrosis are surgical cases in which hemiarthroplasty is recommended as it seems inappropriate to replace a healthy acetabulum, that might result in subsequent bone loss and additional revision problems. Furthermore, compared to the total hip replacement, hemiarthroplasty procedures involve shorter surgical times and lower medical and prosthesis costs.

The Medacta® Endo Head is a product suitable to perform hemiarthroplasty on any hip joint whose acetabular conditions are satisfactory.



CONCEPT

The Endo Head is an unipolar prosthesis that consists of a monobloc prosthetic femoral head articulated directly with the patient's acetabulum. It is designed to be assembled with all the Medacta® stems with 12/14 taper.

MATERIALS
High Nitrogen stainless steel: ISO 5832-9.

RANGES
Three sizes (S, M and L) are available for a 12/14 taper with an outer diameter varying from 40 to 56 mm with a 2 mm increment between sizes.



SURGICAL TECHNIQUE

1 PRE-OPERATIVE PLANNING

The goal is to determine the optimum head size. Careful preoperative planning is essential. A set of X-ray templates to the scale of 1.15:1 (with an X-ray of the same magnification) will help the surgeon to pre-select the implant details in order to restore a hip joint corresponding to the patient's anatomy.



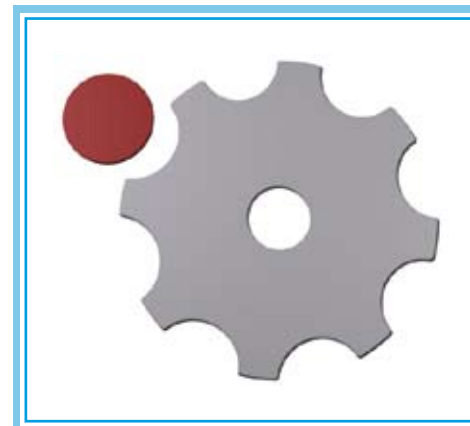
WARNING
The final implant will be selected intra-operatively, because of possible discrepancies between actual conditions and templating.

2 SURGICAL APPROACHES

The choice of the surgical approach is up to the surgeon.

3 FEMORAL HEAD SIZE

The Endo Head diameter depends on the smaller resected femoral head diameter and can be evaluated with the aid of the femoral head sizer. This preliminary choice will be confirmed by the trial reduction.



WARNING
The head diameter must be checked in different positions as it is not spherical.



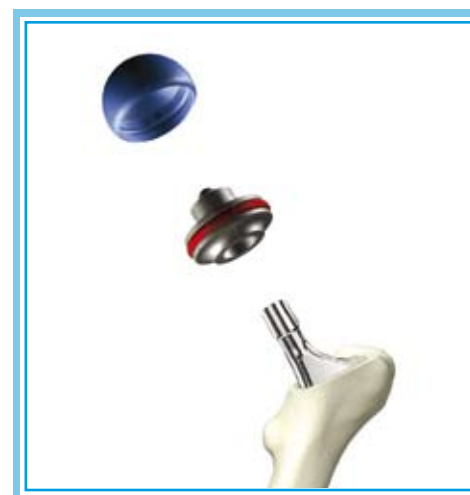
WARNING
Endo heads are available from 40 to 56 mm with 2 mm increment between sizes, while sizers are available from 39 to 56 mm with 1 mm increment.

4 TRIAL REDUCTION

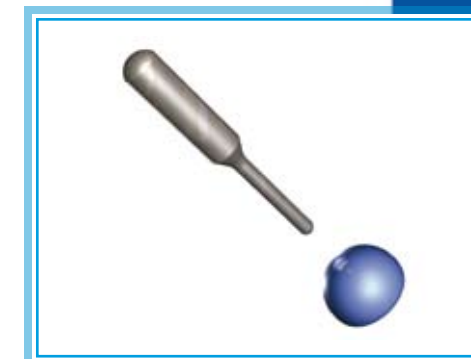
Assemble the trial adapter with the trial Endo Head of the diameter chosen during the pre-operative planning or with the sizer, and place the assembly on the taper of the femoral stem in place. Each size (S,M,L) of the trial adapter is marked with a different colour.

Proceed with the trial reduction.

The mobility, joint stability, range of motion and leg length is tested to confirm the final implant diameter.

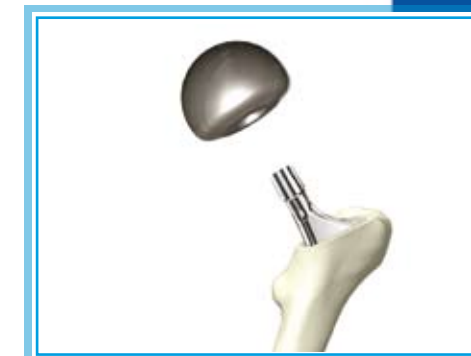


The disassembly of the trial adapter and the trial head is achieved with the aid of the trial extractor.



5 FINAL SETTING

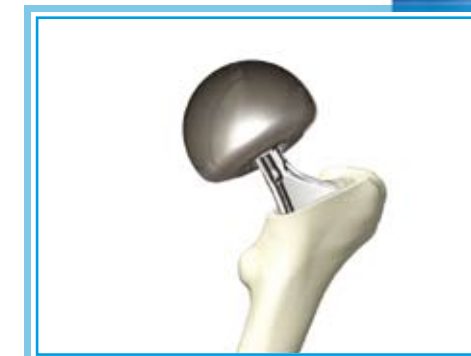
Select the definitive implant and position it on the stem.



Screw the impactor adapter on the multi-function handle and use the assembly in order to perform the final impaction of the head on the stem.



Proceed with the final reduction.



This document describes the concept and the surgical technique for the Medacta® Endo Head implant. Carefully read the instructions for use and if you have any questions concerning product compatibility please contact your Medacta® representative.