

MC+[®]

CERVICAL MODULAR CAGE

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CERVICAL MODULAR CAGE

Stand-alone and versatile

Modularity and exclusive

technical characteristics

Anchoring clip
Open cage
Closed cage
Bone substitute (made to measure)

Stability

and anatomy

Respects the existing anatomy
A concept aimed at stability
An optimized implant area

Radiolucency

and safety

- A well-adapted material
 A simplified operative procedure
- Sterile implants

The MC+[®] concept was developed for cervical degenerative pathologies to ensure the fusion of a cervical spine

segment, using an anterior approach.

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Sterility and traceability

Sterile packaging
Absolute traceability
Optimized handling
Guaranteed mechanical properties

The MC+[®] cage can be used alone or combined with the exclusive patented self-retaining cervical anchoring clip, to increase the primary stability of the implant, whenever necessary.

The cervical anchoring clip is placed into the lower vertebra through the anterior part of the cage, after implantation of the cage. Thus the surgeon has the choice of increasing the primary stabilization of the implant without having to over-distract the intersomatic space.

A made-to-measure anatomical bone substitute has been developed for each size of MC+[®] cage. These fit the contours of the implant perfectly, ensuring the optimal filling of the interbody space.

The MC+ $^{\circ}$ cage is radiolucent allowing visualization of bone growth through the implant.



Exclusive LDR concept

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MC+®

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Modularity and exclusive technical characteristics

The MC+[®] implant range offers the surgeon a large degree of intra-operative flexibility.

Anchoring clip

A self retaining anchor allows an increase of the primary stabilization of the implant. It is impacted through the cage into the upper end-plate of the underlying vertebra, after placement of the cage.

Open or closed cage

There are two types of MC+[®] cages available : the anterior wall is either open or closed. The anatomically shaped bone substitute and the self-retaining cervical anchoring clip can be used with both types.

• The patented design of the anchoring clip guarantees its self-retainement within the implant. The self-retaining design of the anchoring clip guarantees its stability within the implant.



• The placement of the cervical anchor does not require any over-distraction since it can be introduced after implantation of the cage. It is used only if the primary stability of the cage appears insufficient, thus ensuring a unique modularity: the first of its type on the market today. • The anchor is self-guided by means of the implant holder according to it's angular orientation (50° in relation to the end-plate) and also in depth so as to ensure perfect positioning (stop-impactor).



• The fact that the anterior part of the cage is open makes it possible to supplement the graft once the cage has been implanted. In such cases it is recommended to use an anterior plate.

Stability and anatomy

that is anatomical

An implant

by design

the implant.





• With a closed cage, its large peripheral weight bearing area and the anti-back-out serration of its profile guarantees optimal stability of the implant.



•The made-to-measure bone substitute adapts perfectly to every size and type of implant in order to avoid harvesting bone from the illiac crest.





• The anatomical shape of the MC+[®] implant (with its

upper convex part in the frontal and saggital planes)

makes it possible to restore the chosen discal height as well as the lordosis of the inter-body space

involved, and it ensures excellent primary stability of

• The large peripheral weight bearing surface of the implant increases primary stability and allows immediate loading, without the use of bracing.

Optimized grafting space

- The MC+[®] cage offers a wide and unique grafting space plus the opportunity of using made-tomeasure anatomical bone substitute or autologous bone for the fusion.
- The option of a cage with an open anterior part allows secondary grafting after placement of the cage as autologous bone graft can be introduced through the anterior aperture of the implant.

A concept aimed at stability

- Due to its anatomical shape, the MC+[®] cage allows the close contact between the end-plate bone and the implant, thus enhancing load-bearing of the graft or bone substitute and facilitating the arthrodesis.
- The upper and lower surfaces of the implant are retaining surfaces which limit risks of implant displacement.



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CERVICAL MODULAR CAGE

Radiolucency and safety

Radiolucency and consistency

• The bio-compatibility and mechanical qualities of PEEK-Optima® have now been largely recognized in inter-body applications.

• This material has an elasticity close to that of bone so that there is no graft weight-bearing problem. There is consequently, a biomechanical consistency between two spine segments, the fusion of which can be assessed and controlled overtime due to the radiolucency of the cage.



Safety

The MC+[®] inter-body cages are implanted according to a reproducible operating technique. As soon as they are placed, the serrated profile of the implants ensures their self-retaining properties, until fusion takes place.

Sterility and traceability

MC+[®] instrumentation has been designed by and for surgeons :

- A compact system.
- A simple and functional instrumentation set.

Optimized implant management

The sterile packaging of the implants means they can be used immediately without having to go through an intermediate stage. This facilitates considerably the daily handling of implants.





Sterile packaging

All MC+[®] implants are delivered in sterile packages (vacuum packed plus blisters) with sterilization controls.



Mechanical properties guaranteed

Sterile packaging ensures the innocuousness of the material and garantees all the mechanical properties of a new implant.

Absolute traceability

The packaging ensures 100% traceability up to implantation in the patient. Each implant is traceable from raw material to final placement.

Implant racks

This is a new and convenient presentation of sterile implants for the operating theatre.

This "sterile implant distribution system", exclusive to LDR Medical, guarantees the reliable and simple handling of your implants in the operating theatre.





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