

LTC - Biotech Lateral Thoracolumbar Cage

Surgical Technique



Biotech GmbH
Hauptstraße 113.
56598 Rheinbrohl Germany
Tel : +49 2635 92221-0
Email : office-de@biotech-medical.net
www.biotech-medical.com



BIOTECH

REF:
VB-007-PROSP-ST

Revision
2

Publication date :
01.04.2022.

CE1011

"Movement is Life"

Fig. 1.

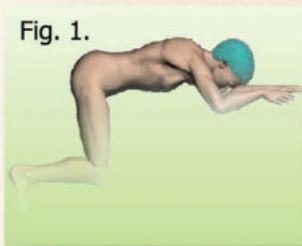


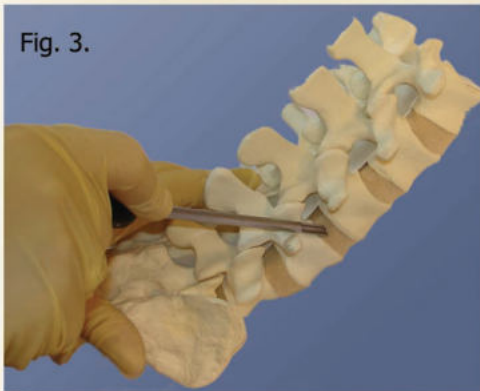
Fig. 2.



Patient Positioning, incision

The patient should be placed in the kneeling or prone position, during the surgical intervention, with the abdomen free of pressure, to reduce the intra-operative bleeding. Prepare a dissection area and make an incision, after viewing radiograph of the segment.

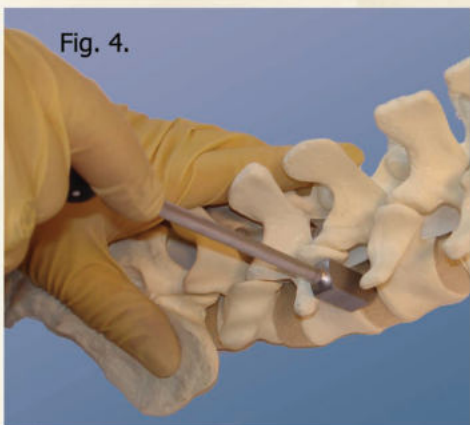
Fig. 3.



Discectomy / endplate preparation

Use the Lateral cage shaver (733-0021-0001) to remove the disc material between two vertebrae (Fig. 3.).

Fig. 4.



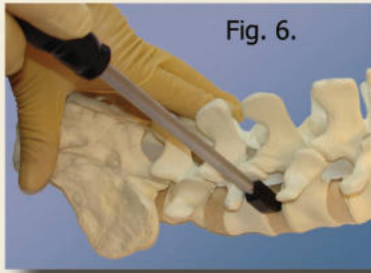
With the use of the adequate Lateral cage rasp (Small 733-0009-1005...13, Medium 733-0009-2005...13, Large 733-0009-3005...13), prepare the vertebral endplate (Fig. 4.).

Fig. 5.



Afterwards, connecting the corresponding Lateral cage trial (Small, Medium, Large 5÷13mm) to the Lateral cage introducer device (733-0011-0001) (Fig. 5.).

“Movement is Life”



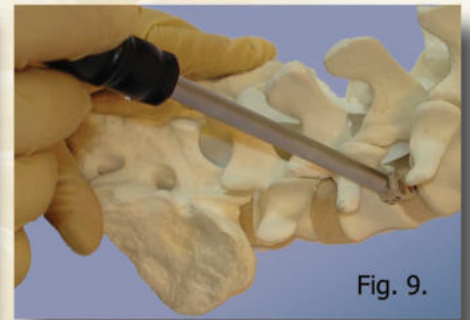
Different sizes of cage trial are used to determine the right size of the final implant (Fig. 6.).

Implant insertion

Fit together the selected cage onto the cage introducer device (Fig. 7.).

Now the allograft can be filled into the cage (Fig. 8.).

The cage is introduced in the intersomatic area (Fig. 9.). Loose the cage. Remove the cage introducer.



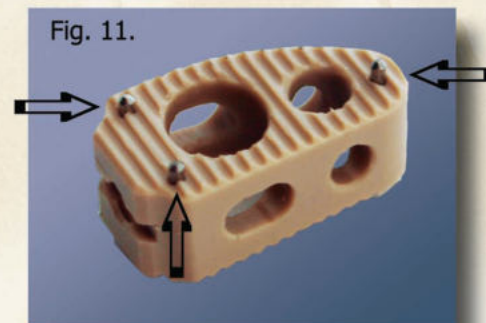
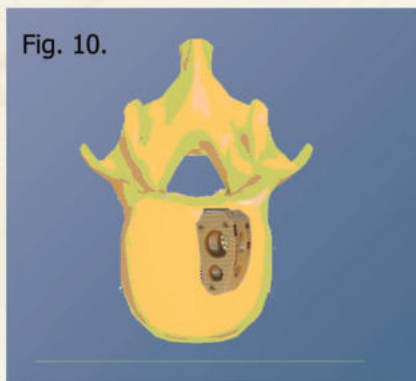
The cage is positioned (Fig. 10.).

Before removing the cage introducer device, imaging can be used to confirm the desired position of the cage.

See Fig. 11. for the metal markers positions, used to locate the PEEK-OPTIMA cage.

To introduce the second cage, it must be repeated the steps described above, on the opposite side.

Between and beside the implants additional graft material can be placed.



“Movement is Life”

Nr.	Article No.	Description	PCS
1.	733-0009-1005	Lateral cage trial S 4mm/5mm	1
2.	733-0009-1006	Lateral cage trial S 5mm/6mm	1
3.	733-0009-1007	Lateral cage trial S 6mm/7mm	1
4.	733-0009-1008	Lateral cage trial S 7mm/8mm	1
5.	733-0009-1009	Lateral cage trial S 8mm/9mm	1
6.	733-0009-1010	Lateral cage trial S 9mm/10mm	1
7.	733-0009-1011	Lateral cage trial S 10mm/11mm	1
8.	733-0009-1012	Lateral cage trial S 11mm/12mm	1
9.	733-0009-1013	Lateral cage trial S 12mm/13mm	1
10.	733-0009-2005	Lateral cage trial M 4mm/5mm	1
11.	733-0009-2006	Lateral cage trial M 5mm/6mm	1
12.	733-0009-2007	Lateral cage trial M 6mm/7mm	1
13.	733-0009-2008	Lateral cage trial M 7mm/8mm	1
14.	733-0009-2009	Lateral cage trial M 8mm/9mm	1
15.	733-0009-2010	Lateral cage trial M 9mm/10mm	1
16.	733-0009-2011	Lateral cage trial M 10mm/11mm	1
17.	733-0009-2012	Lateral cage trial M 11mm/12mm	1
18.	733-0009-2013	Lateral cage trial M 12mm/13mm	1
19.	733-0009-3005	Lateral cage trial L 4mm/5mm	1
20.	733-0009-3006	Lateral cage trial L 5mm/6mm	1
21.	733-0009-3007	Lateral cage trial L 6mm/7mm	1
22.	733-0009-3008	Lateral cage trial L 7mm/8mm	1
23.	733-0009-3009	Lateral cage trial L 8mm/9mm	1
24.	733-0009-3010	Lateral cage trial L 9mm/10mm	1
25.	733-0009-3011	Lateral cage trial L 10mm/11mm	1
26.	733-0009-3012	Lateral cage trial L 11mm/12mm	1
27.	733-0009-3013	Lateral cage trial L 12mm/13mm	1
28.	733-0011-0001	Lateral cage introducer	1
29.	733-0006-0101	Lateral cage rasp "S" Size 1, 4mm	1
30.	733-0006-0102	Lateral cage rasp "S" Size 2, 7mm	1
31.	733-0006-0103	Lateral cage rasp "S" Size 3, 10mm	1
32.	733-0006-0201	Lateral cage rasp "M" Size 1, 4mm	1
33.	733-0006-0202	Lateral cage rasp "M" Size 2, 7mm	1
34.	733-0006-0203	Lateral cage rasp "M" Size 3, 10mm	1
35.	733-0006-0301	Lateral cage rasp "L" Size 1, 4mm	1
36.	733-0006-0302	Lateral cage rasp "L" Size 2, 7mm	1
37.	733-0006-0303	Lateral cage rasp "L" Size 3, 10mm	1
38.	733-0021-0001	Lateral cage shaver	1

