

BTC - Biotech Bi-Lateral Thoracolumbar Cage

Surgical Technique



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“Movement is Life”

Fig. 1.

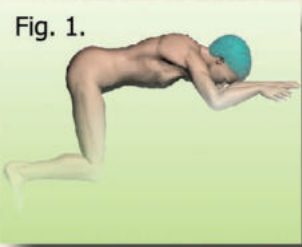


Fig. 2.

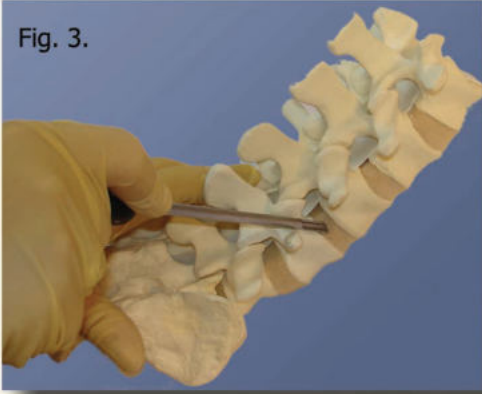


Patient Positioning, incision

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.

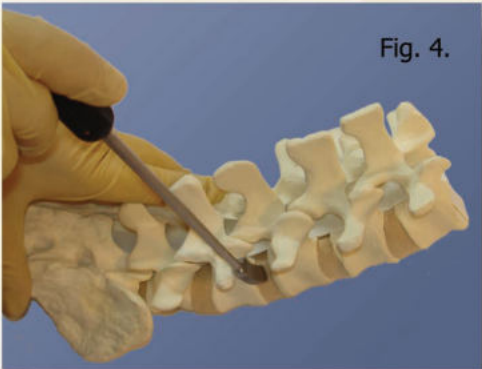
Prepare a dissection area and make an incision, after viewing radiograph of the segment.

Fig. 3.



Use the BI-Lateral cage shaver (734-0021-0001) to remove the disc material between two vertebrae (Fig. 3.).

Fig. 4.



With the use of the adequate BI-Lateral cage rasp (734-0006-0001...3), prepare the vertebral endplate (Fig. 4.).

Fig. 5.



Afterwards, connecting the corresponding Bi-Lateral cage trial (6÷18mm) to the BI-Lateral cage introducer device (734-0011-0001) (Fig. 5.).

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Fig. 6.

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.).



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.



Fig. 8.

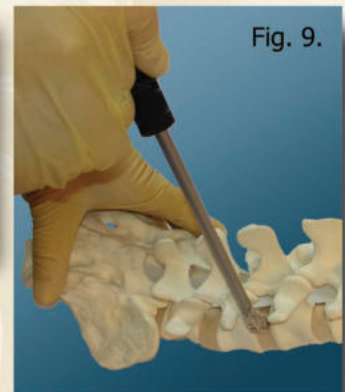


Fig. 9.

The cage is positioned (Fig. 10.).

Between and beside the implants additional graft material can be placed (Fig. 11.).

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

See Fig. 12. for the metal markers positions, used to locate the PEEK-OPTIMA cage.

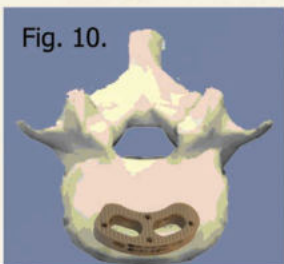


Fig. 10.

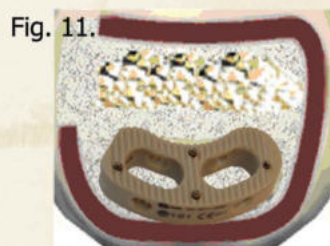


Fig. 11.

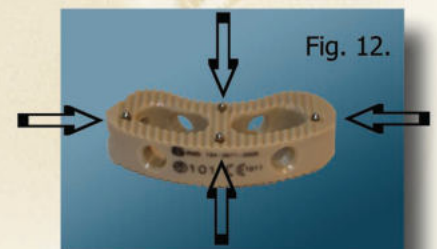


Fig. 12.

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Nr.	Article No.	Description	PCS
1.	734-0009-0006	BI-Lateral cage trial 6mm	1
2.	734-0009-0008	BI-Lateral cage trial 8mm	1
3.	734-0009-0010	BI-Lateral cage trial 10mm	1
4.	734-0009-0012	BI-Lateral cage trial 12mm	1
5.	734-0009-0014	BI-Lateral cage trial 14mm	1
6.	734-0009-0016	BI-Lateral cage trial 16mm	1
7.	734-0009-0018	BI-Lateral cage trial 18mm	1
8.	734-0011-0001	BI-Lateral cage introducer	1
9.	734-0006-0001	BI-Lateral cage rasp Size 1, S 5mm	1
10.	734-0006-0002	BI-Lateral cage rasp Size 2, S 9mm	1
11.	734-0006-0003	BI-Lateral cage rasp Size 3, S 15mm	1
12.	734-0021-0001	BI-Lateral cage shaver	1



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