

BCC - Biotech Cervical Cage

Surgical Technique



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BIOTECH

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VB-007-PROSP-ST

Revision
2

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CE1011

"Movement is Life"



Patient Positioning, incision

The patient should lay in the supine position, while supporting his cervical area. Make a transverse cut into the skin, and prepare a dissection area extending from the tracheo esophagus medially, to the sternocleidomastoid carotid capsule laterally.

STEP 1. Distract

The goal of two adjacent vertebrae distraction is to restore the original anatomical position and to assure good access to the intervertebral space.

With the help of the adjustable Cervical cage distractor (732-0014-0001), intervertebral distraction for the cervical spine is allowed.

To prepare the holes before insertion of the Distractor pins (732-0014-0002), use the Drill T-holder quick connect (729-0007-0015) together with the Drill Bit (732-0014-0003) (Fig. 1.).

If necessary use the Tap 4 mm (729-0007-0018) to thread the holes.

Based on the pathology, place the Distractor Pins and insert them with the use of T-wrench (728-0005-0005) into adjacent vertebral bodies (Fig. 2.).

For drilling the second hole use the Cervical distractors drill guiding (Fig. 3.)

Place the Cervical cage distractor upon the two Distractor pins (Fig. 4.) and distract the segments until the desired intervertebral distance is achieved, turning the threaded knob in to the „Open” direction (Fig.5.)

Fig. 1.



Fig. 2.

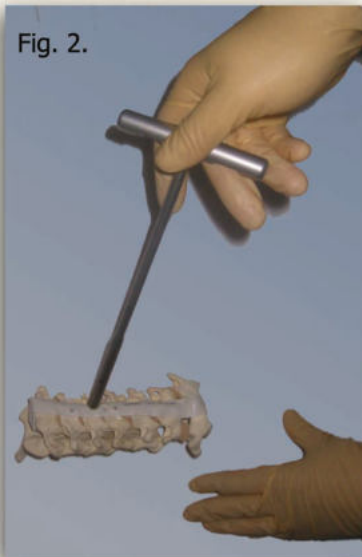


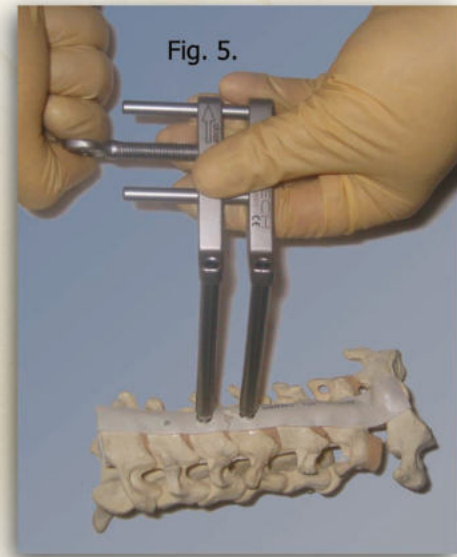
Fig. 3.



Fig. 4.



Fig. 5.



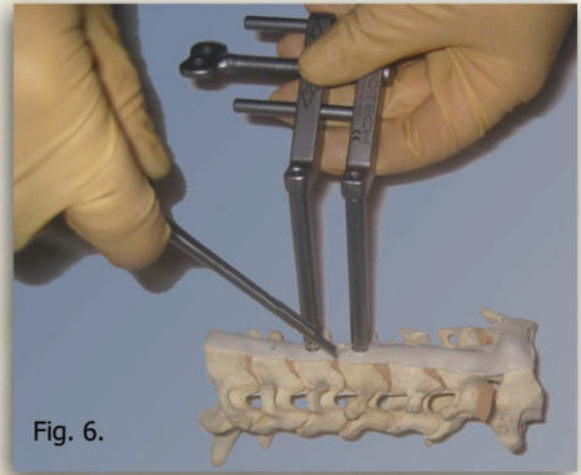
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STEP 2. Endplate preparation

Use the Cervical cage Shaver (734-0021-0001) to remove the disc material between two vertebrae (Fig. 6.)

With the use of the adequate Cervical cage rasp, prepare the cervical vertebral endplate (Fig. 7.)

Afterwards, connecting the corresponding Cervical cage trial to the Cervical cage introducer (732-0011-0001) (Fig. 8.), different size of Cervical cage trial are used to determine the right size of the final implant (Fig. 9.).



STEP 3. Implant insertion

Next step is to fit together the selected Cervical cage onto the Cervical cage introducer device (Fig. 10.).

Now the allograft can be filled into the cage.

The cage is introduced in the intersomatic area (Fig. 11.).

The cage is positioned (Fig. 12.).



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Article No.	Description	PCS
732-0009-0004	Cervical cage trial, standard 4 mm	1
732-0009-0005	Cervical cage trial, standard 5 mm	1
732-0009-0006	Cervical cage trial, standard 6 mm	1
732-0009-0007	Cervical cage trial, standard 7 mm	1
732-0009-0008	Cervical cage trial, standard 8 mm	1
732-0009-0009	Cervical cage trial, standard 9 mm	1
732-0009-1004	Cervical cage trial, large 4 mm	1
732-0009-1005	Cervical cage trial, large 5 mm	1
732-0009-1006	Cervical cage trial, large 6 mm	1
732-0009-1007	Cervical cage trial, large 7 mm	1
732-0009-1008	Cervical cage trial, large 8 mm	1
732-0009-1009	Cervical cage trial, large 9 mm	1
732-0006-0004	Cervical cage rasp, standard 4mm	1
732-0006-0006	Cervical cage rasp, standard 6mm	1
732-0006-1004	Cervical cage rasp, large 4mm	1
732-0006-1006	Cervical cage rasp, large 6mm	1
732-0011-0001	Cervical cage introducer	2
732-0014-0003	Drill bit	1
732-0021-0001	Cervical cage shaver	1
732-0014-0002	Distractor pin	2
729-0007-0015	Drill T-holder quick connect	1
729-0007-0018	Tap 4 mm	1
732-0014-0001	Cervical cage distractor	1
728-0005-0005	T-wrench 6 mm	1



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