

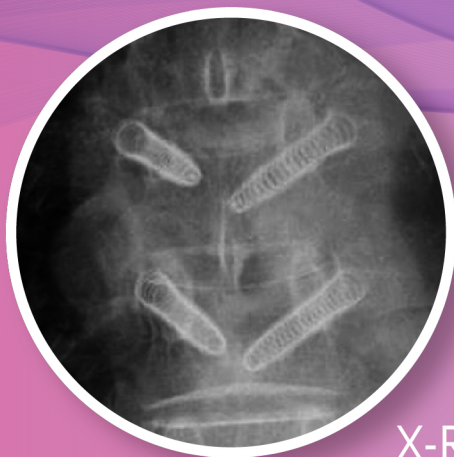
CarboClear®

Carbon Fiber Spinal Implants

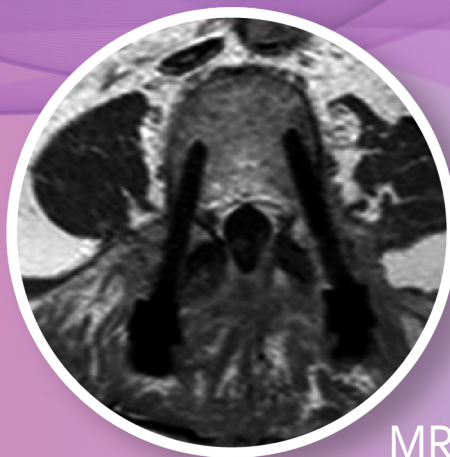


CARBOFIX
SPINE

- *CT/MRI negligible artifacts*
Enhanced follow-up
- *Enhanced radiation therapy administration*
- *Unparalleled fatigue resistance*
- *Modulus of elasticity similar to bone*
- *Indicated for Oncology and Degen Surgery*



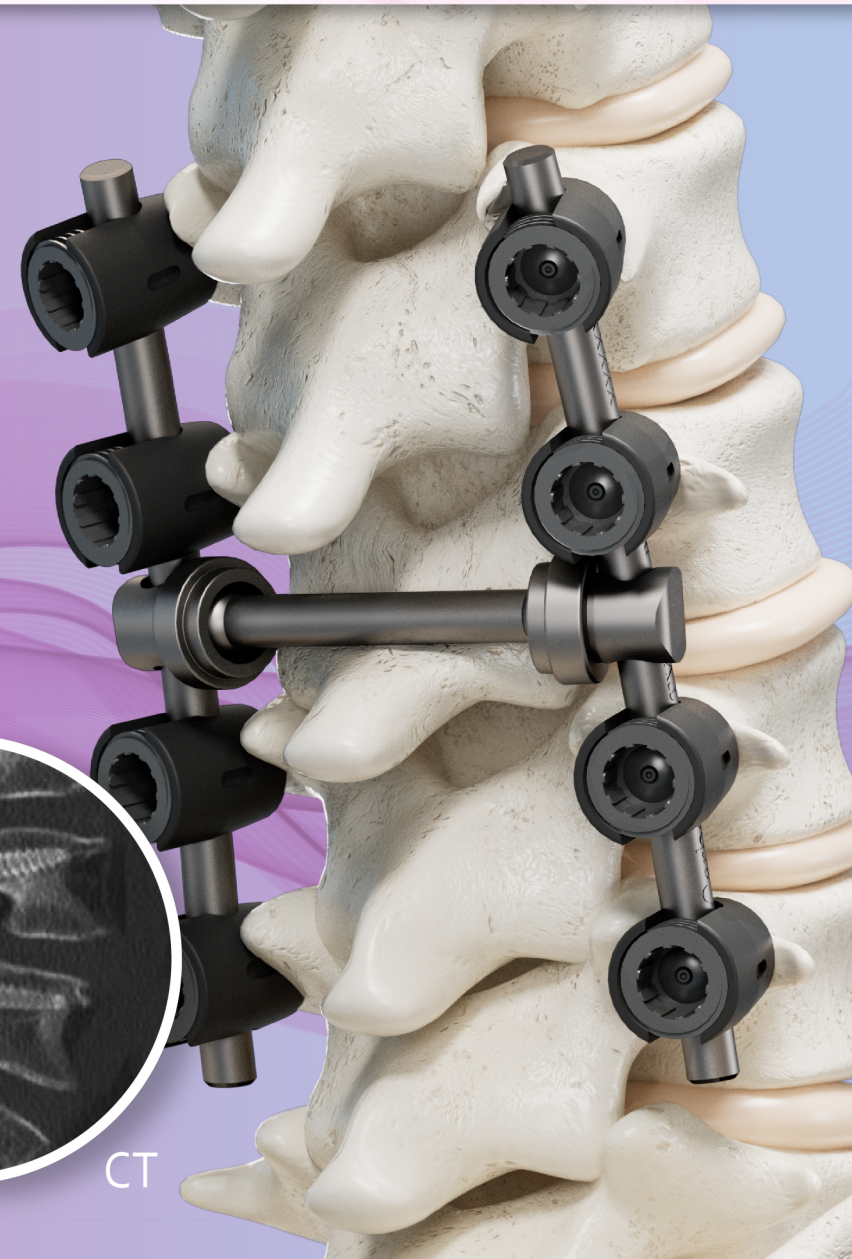
X-Ray



MRI



CT



CarboClear®

Carbon Fiber Spinal Implants

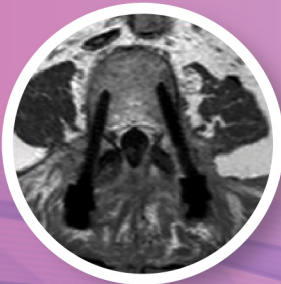
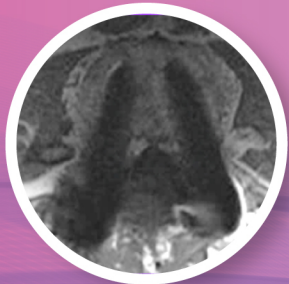


Imaging

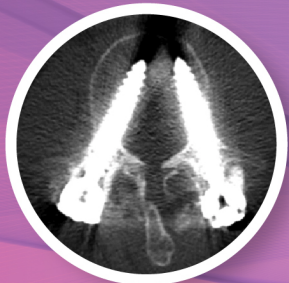
Titanium
Screws

CarboClear® X
Pedicle Screws

MRI



CT

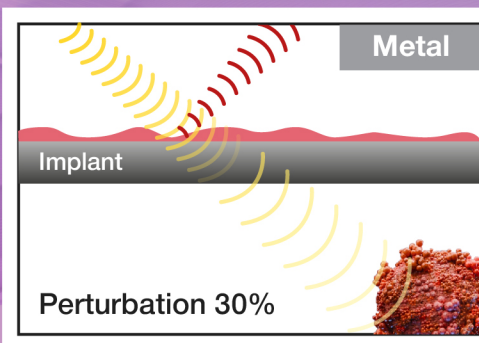
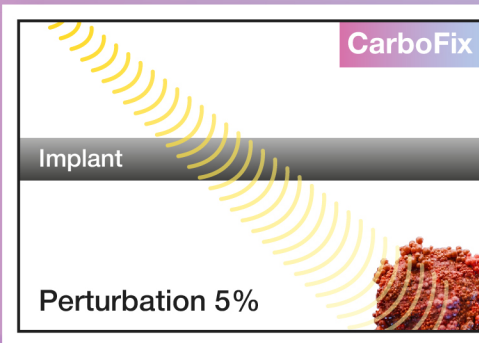


- Allows precise follow-up & early identification of local recurrence
- Improved radiation planning accuracy
- Reduced radiation planning work time

For more **Imaging** information,
scan/click the QR code



Radiation Therapy



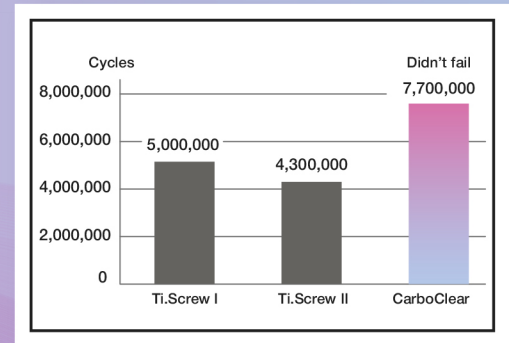
- Negligible effect on radiotherapy dose perturbation
- Radiosurgery: Negligible attenuation with Carbon Fiber Vs. up to 78% attenuation with Titanium

For more **Radiation Therapy** information,
scan/click the QR code



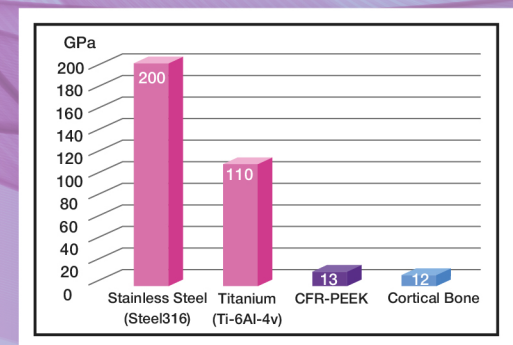
Biomechanics

Construct Fatigue Test



- Enhanced support for non-fusion & delayed fusion patients

Modulus of Elasticity Similar to Bone



For more **Biomechanics** information,
scan/click the QR code



CarboClear®

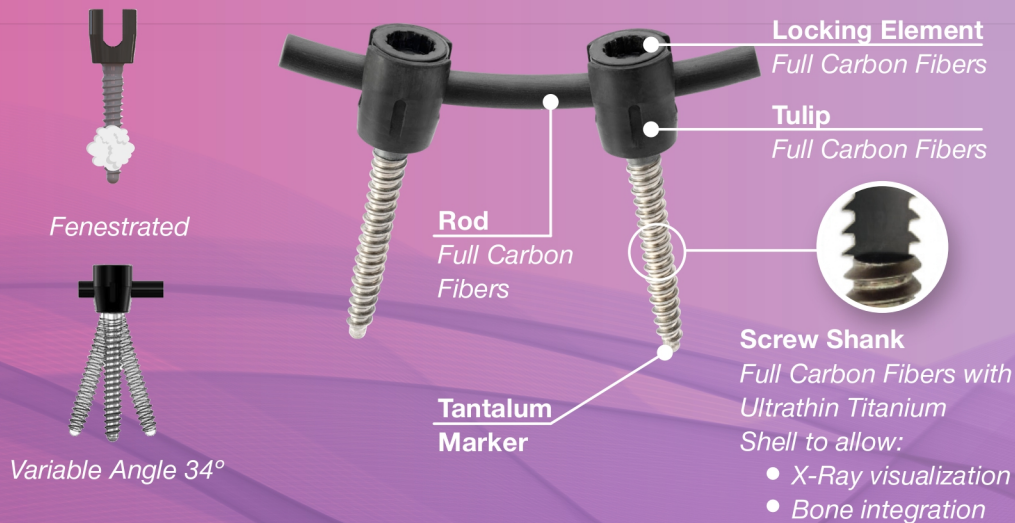
Carbon Fiber Spinal Implants

Thoracolumbar Implants



CarboClear® X Thoracolumbar Pedicle Screw System

The Only All Carbon Fiber System



CarboClear® Hybrid Thoracolumbar Pedicle Screw System

Titanium & Carbon Fiber System



Thoracolumbar Pedicle Screw Sizes

Full Carbon Fibers / Hybrid

Ø (mm)	Length (mm)	
5.0	25*, 30*, 35, 40, 45	Non-Cannulated, Cannulated-Fenestrated
5.5	30**, 35, 40, 45	Non-Cannulated, Cannulated-Fenestrated
6.5	35, 40, 45, 50, 55	Non-Cannulated, Cannulated-Fenestrated
7.5	35, 40, 45, 50, 55	Non-Cannulated, Cannulated-Fenestrated
8.5**	40, 45, 50, 55, 65, 75, 85	Cannulated-Fenestrated

* Solid only

** Only CarboClear X Pedicle Screw System

Short Rods (full Carbon Fibers)

Type	Diameter (mm)	Length (mm)	
Straight	6.0	35-80 (5)	
Curved	6.0	35-80 (5)	

Pre-shaped Rods (full Carbon Fibers)

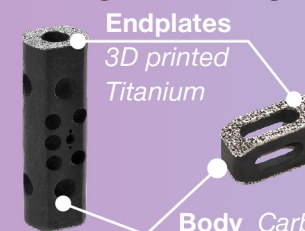
	Diameter (mm)	Length (mm)	
"S" Shaped Rod Type 1	6.0	190	
Curved Rod Type 2	6.0	280	
Shaped Rod Type 3	6.0	270	
Shaped Rod Type 4	6.0	285	
Straight Rod Type 5	6.0	270	
Titanium Rod	6.0	300	

Trans-Connectors (full Carbon Fibers)

Description	Diameter (mm)	Length (mm)	
Trans-Connector Rod	6	30-70 (2)	
Iliac Crest Rod	6	100	
Trans-Connector Locking Element+Ring			

CarboClear® Thoracolumbar Cage & VBR®

Seeing is believing



Lumbar Cage

Cross Section (mm)	Hight (mm)	Lordosis (°)
10x23	8, 10, 12, 14	0, 5, 10
10x27	8, 10, 12, 14	0, 5, 10

Thoracolumbar VBR

Cross Section (mm)	Hight (mm)
22x27	30-85 (5mm increments)
25x30	30-85 (5mm increments)
27.5x35	30-85 (5mm increments)

CarboClear®

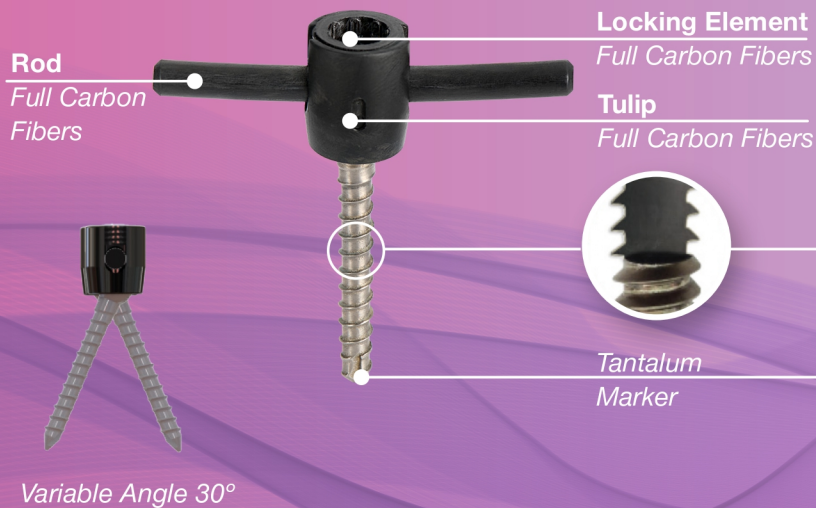
Carbon Fiber Spinal Implants

Cervical Implants



CarboClear® Posterior Cervical Screw System

The Only All Carbon Fiber System



CarboClear® Hybrid Posterior Cervical Screw System

Titanium & Carbon Fiber System

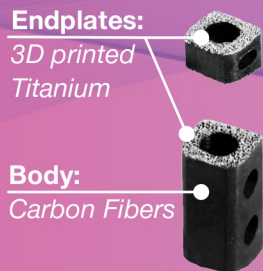


Posterior Cervical Screws

Ø (mm)	Length (mm)	
4.0	12-40 2mm increments	Non-Cannulated
4.5	12-40 2mm increments	Non-Cannulated

Rods (full Carbon Fibers)

	Diameter (mm)	Length(mm) (Increments)	
Straight	4.0*	200	—
Curved	4.0*	30-100(10), 200	—
Type A	4.0	200	—
Type B	4.0	200	—
Titanium	4.0*	200	—



CarboClear® Cervical Cage & VBR®

Cross section(mm)	Lordosis (°)	Hight (mm)
12X14	0; 8	16-44 46-70* (2 mm increments)
14X16*	0, 8	16-70 (2 mm increments)

* Special order

Cross section(mm)	Lordosis (°)	Hight (mm)
12X14	0; 8	5, 6, 7, 8
14X16*	0, 8	5, 6, 7, 8



CarboClear® Anterior Cervical Plate®

Type	Thickness (mm)	Width (mm)	Length* (mm)
One level	2.5	18	22, 24, 26, 28
Two levels			31.5, 34, 36.5, 39, 41.5, 44
Three levels			44, 47, 50, 53, 56, 59, 62, 65
Four levels			60, 64, 68, 72, 76, 80, 84, 88

* Length between the screw hole centers is 10mm less

Manufactured by:

CarboFix Orthopedics Ltd.
11 Ha'hoshlim St., Herzeliya
4672411, Israel

Tel: +972-9-9511511
E-mail:
info@carbo-fix.com

U.S.A. office:

CarboFix Orthopedics, Inc. Tel: 1-800-408-0120
903 N. Bowser Rd. Ste. 330 E-mail:
Richardson, TX 75081, USA usa@carbo-fix.com

EC Authorized representative:

MedNet EC-REP Ilb GmbH
Borkstrasse 10, 48163 Muenster
Germany

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For availability & approved indications in your geography, please refer to the products IFU



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