When you use titanium

When you use Carbon/PEEK

Engineered and Manufactured by icotec in Switzerland.

Radiotherapy. Breaking Barriers with Carbon/PEEK.

• Nonmetallic and radiolucent
• Comparable strength to titanium spinal implants
• Carbon/PEEK material creates no imaging artifacts
• Dose planning – Less time for planning and better accuracy
• Therapy – Correct application of dose into target volume – Protection of the surrounding tissue from overdose
• Follow-up – True insights and unobstructed diagnostic assessment

icotec implants. Made of Carbon/PEEK.

True Insights. Making the Next Step.

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Information for oncology professionals

Tumor Treatment with Carbon/PEEK Implants
Secure spinal stabilization

- Equivalent strength to titanium construct
- Muscle-sparing approach due to cannulated screws
- Enhanced osseointegration owing to porous titanium coating
- Minimal imaging artifacts with Carbon/PEEK implants

Carbon/PEEK material creates no artifacts

- Optimal delineation of anatomic structures
- Radiolucent Carbon/PEEK material enables a more homogenous dose planning
- Significantly reduced planning time

Effective radiotherapy with Carbon/PEEK

- Eliminates shielding or scattering of radiation
- Protection of adjacent tissue and organs
- Homogenous dose distribution
- Correct dose in target volume

Clinical monitoring

- Thorough and precise control of tumor recurrences in target area possible
- Superior diagnostic imaging at every follow-up when compared to metal implants

Surgical treatment

State-of-the-Art Pedicle System and Surgical Technique

Planning

Accurate Delineation and Accelerated Dose Planning

Therapy

Unimpeded Passage of Radiation Beam

Follow-up

True Insights and Unobstructed Diagnostic Assessment