



Nanoscribe Announces FDA Clearance of FortCore® PLIF and TLIF Spinal Interbodies with Nanosurface Features.

Spinal Implants Cleared with the Most Advanced Nanosurface and Best Imaging

Carmel, Ind. (March 26, 2016) – [Nanoscribe](#), today announced the successful FDA clearance of its FortCore® TLIF and PLIF interbodies featuring a Nanosurface-enhanced deeply porous titanium scaffold interlocked with a PEEK core.

"Implant nano surface science has advanced from the early days when we simply created nanoroughness for implants because tissues have nanoroughness. Now we understand the mechanisms by which nanotopographies can interact with cellular signaling pathways. I'm delighted that with Nanoscribe's implants, patients can now benefit from a carefully designed and controlled nanotopography that harnesses this groundbreaking research," said Thomas Webster, PhD, Chemical Engineering Department Chair, Northeastern University, who with Chang Yao, PhD, were early pioneers in the use of nanosurfaces to enhance bone growth.

Nanoscribe's foundational FortCore interbody fusion platform is well proven with over 4,250 implanted to date. FortCore interbodies have deeply porous interconnected titanium scaffolds interlocked with a PEEK core, giving surgeons superior fixation and imaging advantages. Data comparing the osseointegration strength of the FortCore scaffold, PEEK, and allograft to the strength of trabecular host bone was published in *Spine* in late 2016. Now the titanium scaffolds on the FortCore TLIF and PLIF interbodies are enhanced with a carefully designed and controlled nanosurface.

"The timing for this clearance is very good because surgeons are searching for the best surface technologies. I've watched Nanoscribe methodically develop technology platforms in a surface on a surface bone fusion strategy. Now they offer the most advanced interbody fusion technology with the best imaging profile on the market," said Dr. Alan McGee, Orthopedics Northeast, a participant in the alpha launch of FortCore. "My partners and I have implanted over 300 FortCore interbodies. I can tell my patients I'm giving them the most advanced technology available today, and they have recovered quickly and have been very satisfied. It's easy for me to assess bone growth through and around the FortCore implants with plain X-ray. It's a struggle to assess bone growth through 3D printed titanium interbodies with plain X-ray and I'm hesitant to expose my patients to the extra radiation from an unnecessary CT scan. I'm encouraged by Nanoscribe's pre-clinical data for this nanotechnology enhanced surface and look forward to upgrading my use."