BioBase™

Data Registry

TECHNOLOGY BACKED BY CLINICAL DATA

The BioBase™ Data Registry is a multicenter, observational, quality-assessment repository sponsored by Innovasis as a part of our commitment to quality and patient outcomes. It allows surgeons to collect patient outcomes and fusion data in a secure, HIPAA-compliant database that can be accessed on a real time basis.

Data that Benefits Surgeons & Patients

- Web-based portal, HIPAA-compliant, de-identified data
- Core Lab assessment of fusion rates at 6 weeks and 3, 6, 12, and 24 months post op.
- Track outcomes against aggregate peer data
- Analyze patient satisfaction and patient reported outcomes

Demographics

- Age, Sex, BMI, etc.
- Diagnosis
- Comorbidities
- Treatment
- Employment status
- Complications

Radiographic Assessment by an Independent **Core Lab**

- Absence of lucencies around device
- Absence of graft subsidence or migration
- Segmental ROM
- Absence of translational AP-motion or instability

Patient Reported Outcome Measures

- Oswestry Disability Index (ODI), Neck Disability Index (NDI)
- Visual Analogue Scale (VAS)
- EQ5D-3L™
- Patient Satisfaction
- Preop, surgery and postop CRFs









Site & Registry Support

Innovasis staff is available to assist with registry set-up, software training, and database support. A radiographic core lab, Raylytic, provides imaging assessment and database support. To learn more about participation in BioBase, please contact us.

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► BENEFITS OF HAnano Surface®

HAnano Surface® is a 20 nanometer thin implant surface modification6 composed of crystalline hydroxyapatite (HA) particles that through shape, composition, and structure mimic human bone tissue. HAnano Surface is used clinically and has proven to significantly accelerate and enhance osseointegration of implants.7



NANO-SIZED CRYSTALLINE

Significantly accelerate and enhance integration of implants using nano-sized crystalline hydroxyapatite particles¹



HYDROPHILIC

Hydrophilic properties improve adsorption of blood and extracellular fluids, promoting an osteoconductive integration process.



BONY ONGROWTH

Enables newly-formed bone to grow directly into the micrometer topography (roughness) of the implant surface

BENEFITS OF HA PEEK

Hydroxyapatite PEEK (HA PEEK) is a composite material of 80% PEEK and 20% hydroxyapatite integration. With zero coatings or laminate, structural and mechanical properties of PEEK combined with the osteoconductive properties of HA makes it an ideal material for interbody fusion.



RADIOLUCENT IMAGING

PEEK-OPTIMA™ HA Enhanced is radiolucent for easy monitoring of the healing site with X-rays, CT or MRI.



OSTEOCONDUCTIVE SURFACE

Fully integrated with hydroxyapatite on all surfaces for earlier bone ongrowth and greater new bone formation.2,3



BONE-LIKE STRUCTURE

With a modulus closer to bone⁴ PEEK-OPTIMA™ HA Enhanced reduces stress shielding at a higher rate than titanium⁵

Sudy evaluated the bone ongrowth of PEEK-OPTIMA and PEEK-OPTIMA HA Enhanced in a bone defect model in sheep. Data on file at Invibio. This has not been correlated with human clinical experience.

Perspective. Bone Research (2013) 1, 216-248