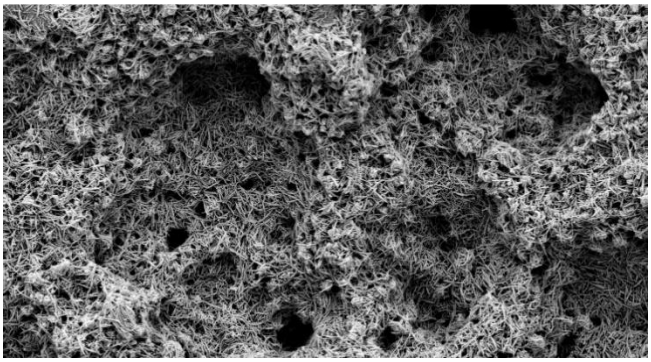
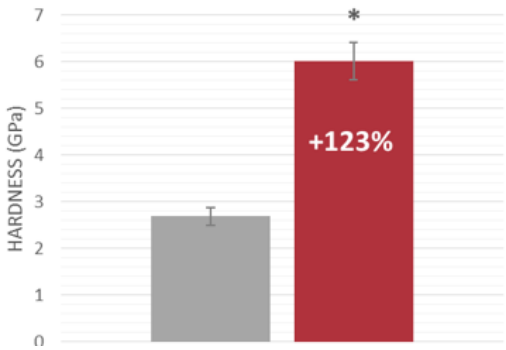
UniVy™ OsteoVy™ Ti
NanoVy™ HA

Cervical IBF System

VySpine™

UniVy™ OsteoVy™ Ti NanoVy™ HA Cervical IBF System



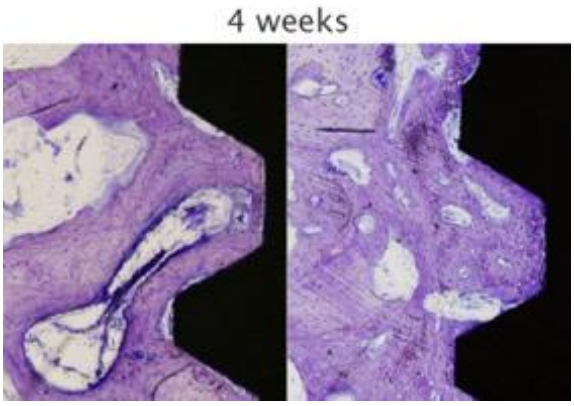


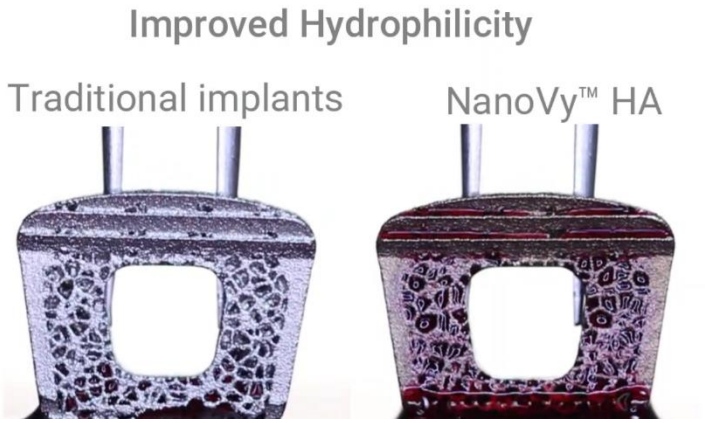
NanoVy™-HA

NanoVy™ HA is a 20 nm thin implant surface modification composed of crystalline hydroxyapatite (HA) particles that through shape, composition, and structure mimic human bone tissue.

Bone Integrity

The new bone tissue quality was significantly enhanced around the titanium implants with NanoVy™ HA by over 120% in comparison to titanium implants without coating. [1]





Enhanced Integration

NanoVy™ HA coated titanium implants demonstrate enhanced early bone integration by nearly 37% compared to uncoated titanium implants with the same base surface finish. [2]

Hydrophilicity

NanoVy™ HA coatings enhance the hydrophilicity of titanium implants to help the osseointegration of the implant and the surrounding bone.

1Jimbo et al. (2012), 'The biological response to three different nanostructures applied on smooth implant surfaces', Clinical Oral Implants Research, vol. 23, no. 6, pp. 706-712
2 Jimbo et al. (2011), 'Genetic Responses to Nanostructured Calcium-phosphate-coated Implants', Journal of Dental Research, vol. 90, no. 12, pp. 1422-1427

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