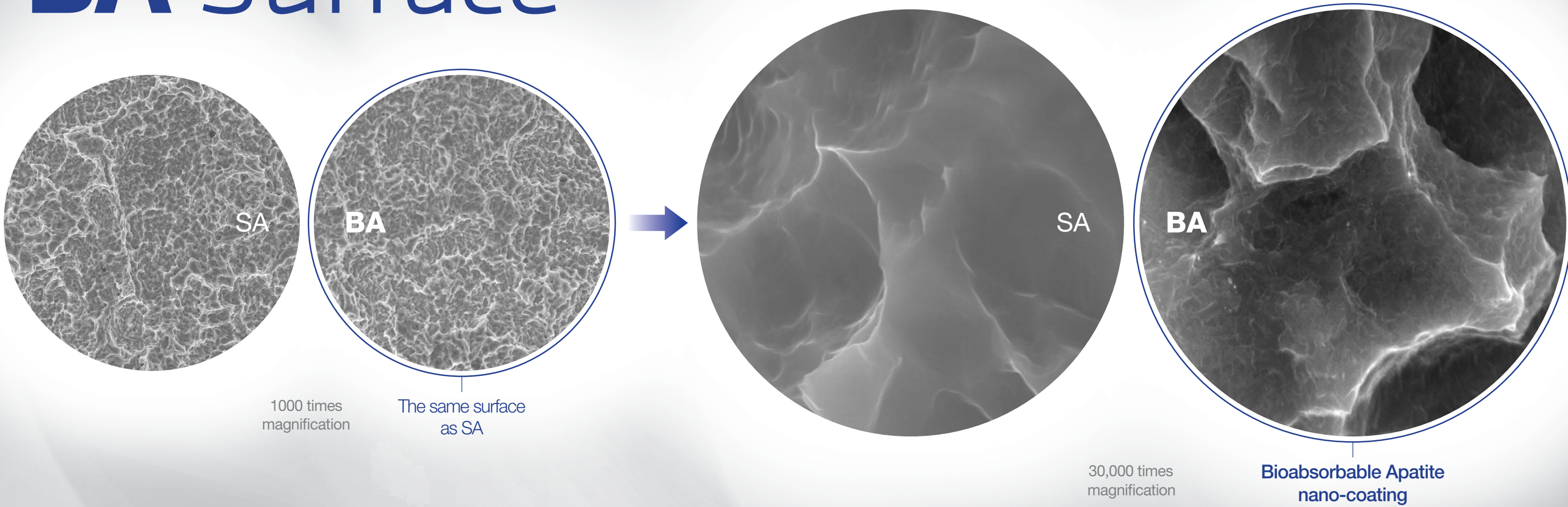


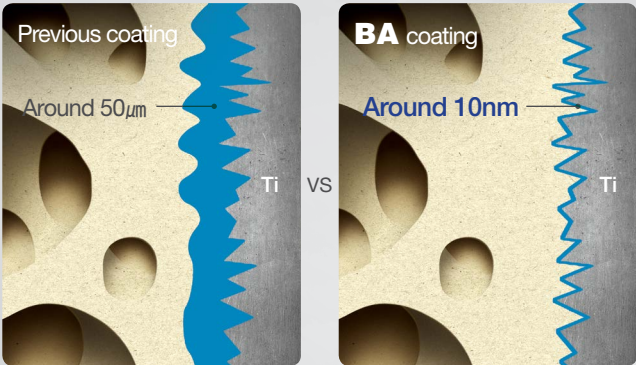
Superhydrophilic SA surface upgraded through the application of a bioabsorbable apatite nano-coating

BA Surface



Ultra Thin Layer Nano-Coating

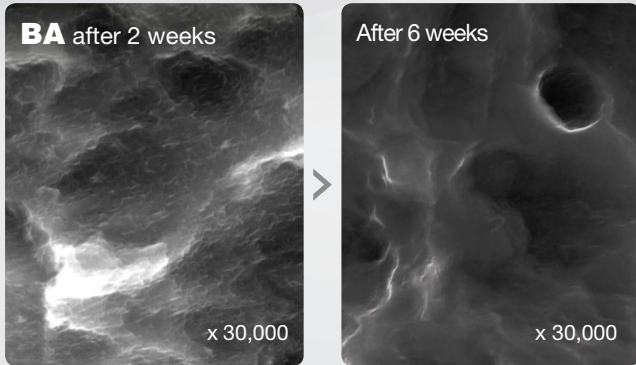
Bioabsorbable Apatite nano-coating below 10nm



Thickness of coating layer 5,000 : 1

Bioabsorbable Apatite Nano-Coating

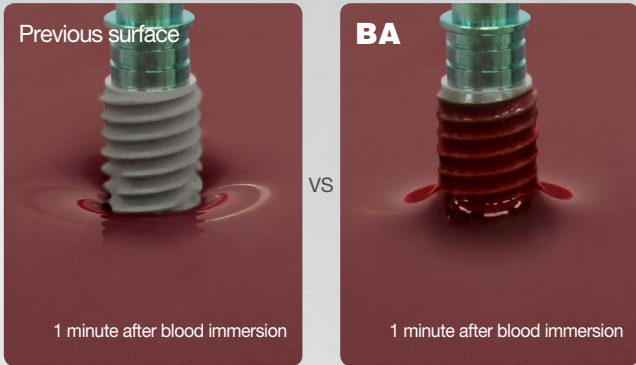
SA surface is maintained as outermost bone interface, as the bioabsorbable Apatite nano-coating layer is removed during bone remodeling process after insertion



Coating layer is present Coating layer is absorbed

Superhydrophilic Surface

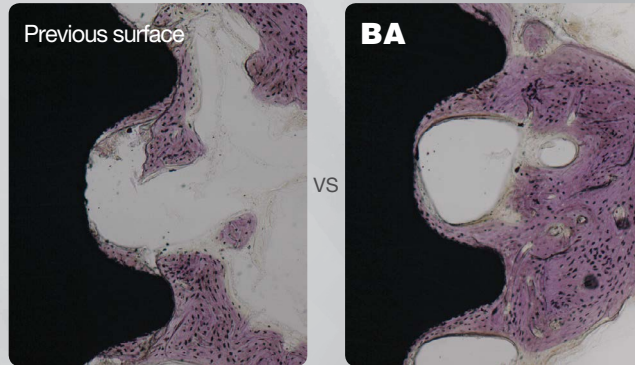
Increased capacity for early ossification thanks to increase in protein adhesion due to rapid blood wettability (Platelet adhesion is improved by more than 12% compared to previous SA surface)



Hydrophobicity Superhydrophilicity

Reduction of Treatment Duration

Treatment duration reduced thanks to osseointegration ability being improved by more than 30% compared to previous SA surface



BIC 59% BIC 83%