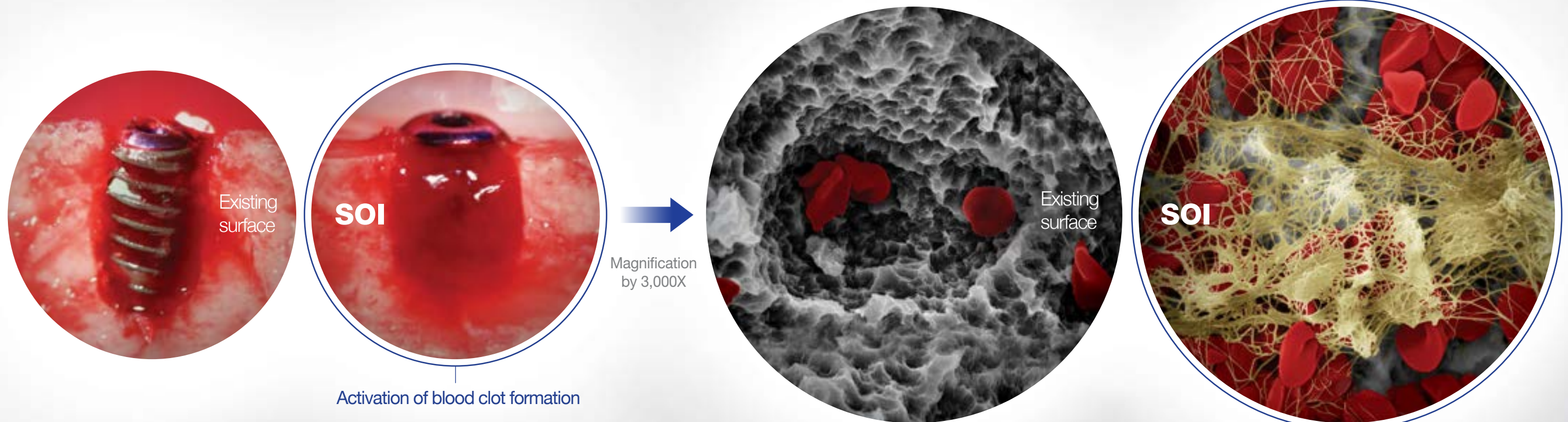


Upgraded SA surface from strong surface activity effect of substance K

SOI Surface

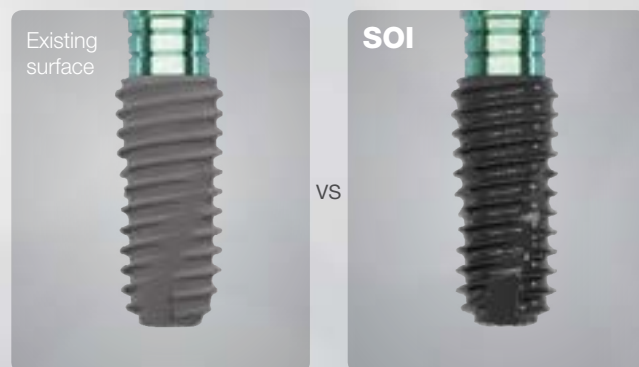
● Red blood cells ● Fibrin Network



SOI coating surface

Coated with substance K on SA surface to maintain surface activities (prevent carbon adsorption)

※ Scattering may occur during delivery due to water film coating, but it does not compromise the efficacy



SA

SOI coating

Ultra-hydrophilic surface

Enhanced initial bone formation capability owing to fast blood wettability

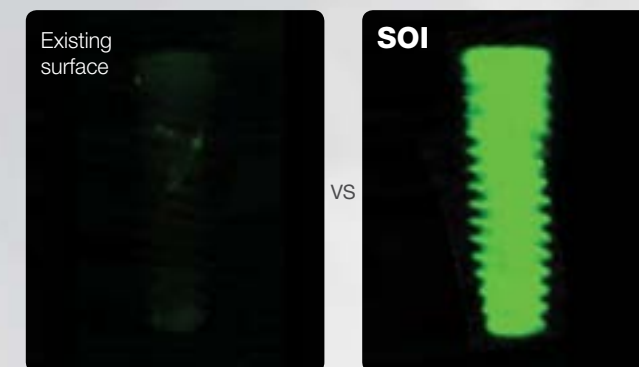


Hydrophobicity

Ultra-hydrophilicity

Excellent adhesion of bone forming proteins

Enhanced protein adhesion, approximately 130 fold higher than existing surface, owing to activation of blood clot formation

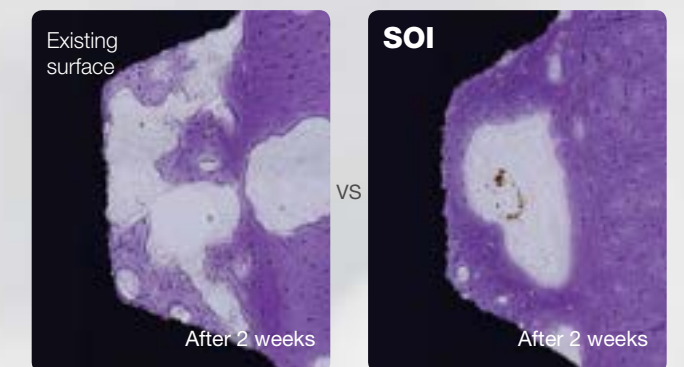


Relative 100%

93,709%

Shorten duration of treatment

Shorten healing time by over 35% relative to existing surface owing to improved osseointegration capability



BIC 62%

BIC 84%