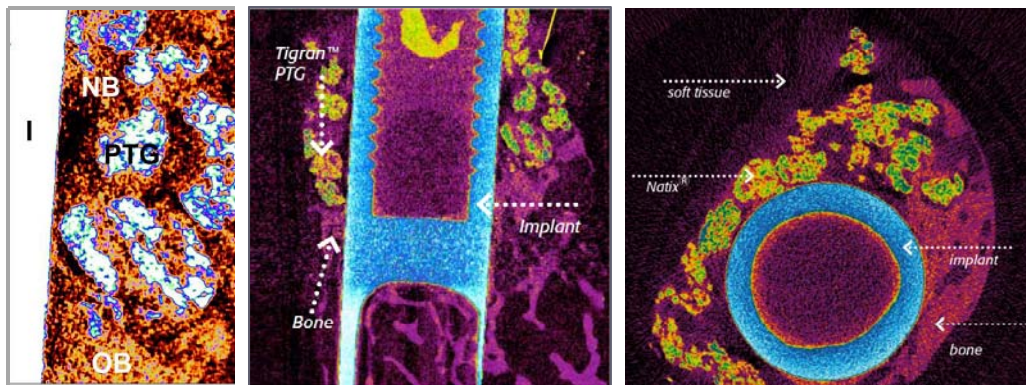


## Micro CT and Human Histological Analysis of a Peri-Implant Osseous Defect Grafted with Porous Titanium Granules: A Case Report

Johan Caspar Wohlfahrt et al. Int J Oral Maxillofac Implants 2011 Jan-Feb; 26 (1) e9-e14



I - Implant surface  
PTG - porous titanium granules  
NB - new bone  
OB - old bone

- ❖ Indication: Treatment of a peri-implant defect with porous titanium granules
- ❖ Optimal result in such a case = re-osseointegration
- ❖ Case report with micro-CT and histology

- ❖ Patient with one implant functionally loaded for 11 years

*9 mm pocket depth*

*Mucositis*

*BoP*

*Suppuration/pus*

- ❖ Treatment

*Mechanical and chemical cleaning*

*Perforation of the cortical bone wall for a better blood supply*

*Porous titanium granules*

- ❖ Histological evaluation after 12 months

*Porous titanium granule particles embedded in new bone and bone within the granules*

*New bone between the granules and the implant surface*

*Areas of re-osseointegration of the implant*