Publication highlight – *for internal use only* **June 17, 2013**

Romanos GE, Malmstrom H, Feng C, Ercoli C, and Caton J. Immediately loaded platform-switched implants **i**n the anterior mandible with fixed prostheses: A randomized, split-mouth, masked prospective trial

Clin Implant Dent Relat Res 2013. E-pub April 5, doi:10.1111/cid.12065.

This study assessed the crestal bone loss and soft tissue stability around ANKYLOS® plus implants (DENTSPLY Implants) and Certain® PREVAIL™ (Biomet 3i) implants after 2 years in function.

In total, 107 implants (6 per patient; one patient received 5 implants) were placed in edentolous mandibles after alveolar ridge leveling in 18 patients. All implants were placed at the bone level and were immediately loaded with a fixed prothesis.

At the 2-year follow-up 2 ANKYLOS implants and 1 Certain PREVAIL implant had failed. A crestal bone loss of 2 mm or more (mesially or distally) was observed around 11% of the ANKYLOS implants and around 70% of Certain PREVAIL implants. Regarding soft-tissue variables, small but non-statistical differences between the implant systems were observed at the 2-year follow-up.

ANKYLOS® and **Certain® PREVAIL™**

Global Scientific Management comments:

- 11% of the ANKYLOS implants and 70% of Certain PREVAIL implants had crestal bone loss ≥2mm at the 2-year follow-up.
- Both Certain® PREVAIL and ANKYLOS implants are platform switched implants and have internal abutment connections. There are, however, many other differences between the implant systems (shape, surface, abutments, etc.)
- Bone leveling of the alveolar ridge was performed in all patients to create space for the restoration and to increase the precision of the bone height measurements. According to the authors this procedure may be associated with bone resorption.
- Baseline crestal bone level measurements were obtained at implant placement.
- No information about mean crestal bone level change is included in the article.
- No information regarding sponsorship is stated in the article.