

# P-52 PRELIMINARY DATA OF ORAL HEALTH IMPACT PROFILE (OHIP) IN PATIENTS USING ASTRA TECH IMPLANTS, FIXTURE MICROTHREAD™ OSSEOSPEED™, IN SINGLE TOOTH REPLACEMENT



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## BACKGROUND

Tooth loss often leads to an impairment in functional and/or psychosocial wellbeing. The OHIP score have been used to evaluate patient treatment. The overall objective of this randomized, controlled, parallel group study is to investigate clinical performance of single tooth replacement with Astra Tech Implants, Fixture MicroThread™ OsseoSpeed™, when placed in the extraction socket (treatment A) vs. the healed ridge (treatment B) applying immediate function. One of the secondary objectives is to measure the frequency and severity of oral problems and their impact on functional and psychosocial well being using the Oral Health Impact Profile (OHIP).

## METHOD

The OHIP – 14 questionnaire used in this study contains 14 items divided into 7 domains which are functional limitation, pain, psychological discomfort, physical disability, psychological disability, social disability and handicap. Responses are based on a Likert scale (i.e., 0 = never, 1 = Hardly ever, 2 = occasionally, 3 = fairly often, 4 = very often) and all questions are independent. OHIP questionnaires were completed before implant placement (Visit 1) and 1 month after installation (Visit 4) in the two groups A and B. In group A (n=7) extraction was performed, an Astra Tech Implants, Fixture MicroThread™ OsseoSpeed™, was immediately placed in the extraction socket and a temporary crown was cemented on a Direct Abutment. In group B (n=6) an Astra Tech Implants, Fixture MicroThread™ OsseoSpeed™, was placed in a healed ridge and a temporary crown was cemented on a Direct Abutment.

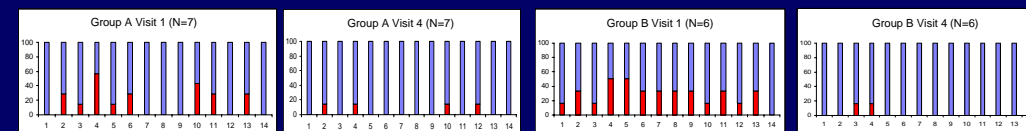
## RESULTS

Before treatment group A reported no impact on quality of life (i.e. responses 0 and 1) to 6 of the 14 questions and Group B to 1 of the 14 questions. After treatment the responses in group A have changed to 10 of 14 (no psychological discomfort, no physical disability, no handicap in 5 of 7 patients) and in Group B to 12 of 14 (only pain was mentioned occasionally by 1 patient).

## CONCLUSION

Based on an interim and limited data set single tooth replacement and the application of immediate functional load using Astra Tech Implants, Fixture MicroThread™ Osseospeed™ seem to result in improvements in functional and psychosocial wellbeing measured by OHIP 14. To determine the applicability of OHIP 14 in detecting differences in wellbeing between two treatment modalities require further data.

*This study is part of a multicenter study with Fixture MicroThread™ Osseospeed™ (YA-OSS-0006).*



Functional limitation (1/2), Pain (3/4), Psychological discomfort (5/6), Physical disability (7/8), Psychological disability (9/10), Social disability (11/12) and handicap (13/14).  
 ■ 0 = never or 1 = hardly ever ■ 2 = occasionally or 3 = fairly often or 4 = very often

