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## Early loaded dental implants in the aesthetic zone: 2-year clinical and radiological evaluation

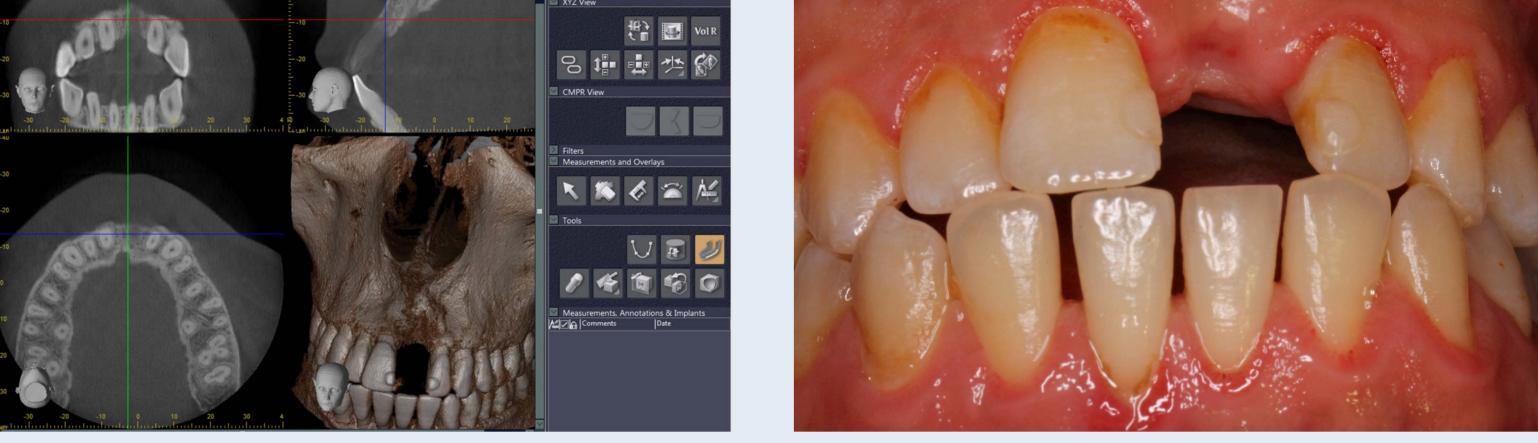
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Objectives: The aim of this study was to evaluate the clinical and radiographic outcome of early-loaded implants in the esthetically demanding regions.



Material and Methods: In this study, patients were treated with implant (Camlog Biotechnologies, Basel, Switzerland) supported all ceramic single crowns and followed up for 2 years. The implants were evaluated by clinical and radiographic parameters. Clinical parameters like plaque index (PI), sulcus bleeding index (BI), peri-implant probing depth (PD), and marginal bone loss (MBL) were recorded. Repeated-measurement ANOVA, Kruskal-Wallis test, Wilcoxon signed rank test and paired samples test were used for statistical analysis.

Results: Thirty implants were placed in 25 patients. At the recall examinations, all implants were successfully integrated, demonstrating healthy peri-implant soft tissues as documented by standard clinical parameters. The mean MBL at baseline was 0,98 mm ± 0,51 at mesial side; 0,88 mm ± 0,40 at distal side. The MBL reached to 1,32 mm ± 0,54 at mesial; 1,15 mm  $\pm$  0,48 at distal side at 2 year. The difference was statistically insignificant. Soft tissues were clinically healthy. The mean PD at baseline was 2,91 mm ± 0,58 and increased to 3,23 mm ± 0,79 at 2 year but the difference was statistically insignificant.











Conclusions: Camlog implants in the anterior zone reveal successful clinical and radiographic outcomes when ideal treatment steps are performed.

Keywords: Early load, clinical and radiographic outcome, anterior zone

MBI

Baseline

B

2.year

<b>Baseline mesial</b>	$0,98 \pm 0,51$	$2,91 \pm 0,58$	$0,35 \pm 0,19$	$0,21 \pm 0,56$
<b>Baseline distal</b>	$0,\!88 \pm 0,\!40$	$2,71 \pm 0,50$	$0,55 \pm 0,17$	0,21 ±0,50
6 month mesial	$1,14 \pm 0,58$	$3,08 \pm 0,72$	$0,34 \pm 0,81$	$0,62 \pm 1,15$
6 month distal	$1,01 \pm 0,42$	$3,00 \pm 0,72$	$0,34 \pm 0,01$	$0,02 \pm 1,13$
1 year mesial	$1,22 \pm 0,67$	$2.00 \pm 0.62$	$0.66 \pm 0.97$	$0.49 \pm 0.92$
1 year distal	$1,10 \pm 0,54$	$3,00 \pm 0,63$	$0,\!66 \pm 0,\!87$	$0,\!48 \pm 0,\!83$
2 year mesial	$1,32 \pm 0,54$	$3,23 \pm 0,79$	$0,\!69 \pm 0,\!84$	$0,52 \pm 0,85$
2 year distal	$1,15 \pm 0,48$	$5,25 \pm 0,79$	$0,09 \pm 0,04$	$0,52 \pm 0,05$

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