

## Case Report: Delayed placement of two-piece zirconia implants in two patients Z-Systems Z5c Tissue Level Implant

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This report is about two first molar replacements in two patients. A female patient of 43 years and a male patient of 46 years, each received a Z5c two-piece zirconia implant (diameter: 4 mm, length: 10 mm) in region 46 (FDI) and were restored with single crowns.

Figures 1&2 show the panoramic x-rays after implant placement.



*Fig. 1: panoramic x-ray after implant placement, case1*



*Fig. 2: panoramic x-ray after implant placement, case2*

In both cases the implants were placed after flap elevation and without bone grafting. After submucosal healing of 4-5 months the implants were restored with straight abutments and single crowns. Figures 3&4 show the x-rays after prosthetic restoration



*Fig. 3: x-ray after loading, case 1*



*Fig. 4: x-ray after loading, case 2*

Meanwhile, both patients could be followed-up for more than one year after final prosthetic rehabilitation. Healing was uneventful, and patients report excellent gingival health and crestal bone level maintenance (see figure5).



*Fig. 5: 12 months post loading x-ray follow-up, case1*

#### Conclusion:

As demonstrated in these two cases, the new two-piece zirconia implant from Z-Systems proves to be a reliable alternative to established implant systems.