

# SCIENTIFIC REPORT

## Twinky Star – 1 year clinical study

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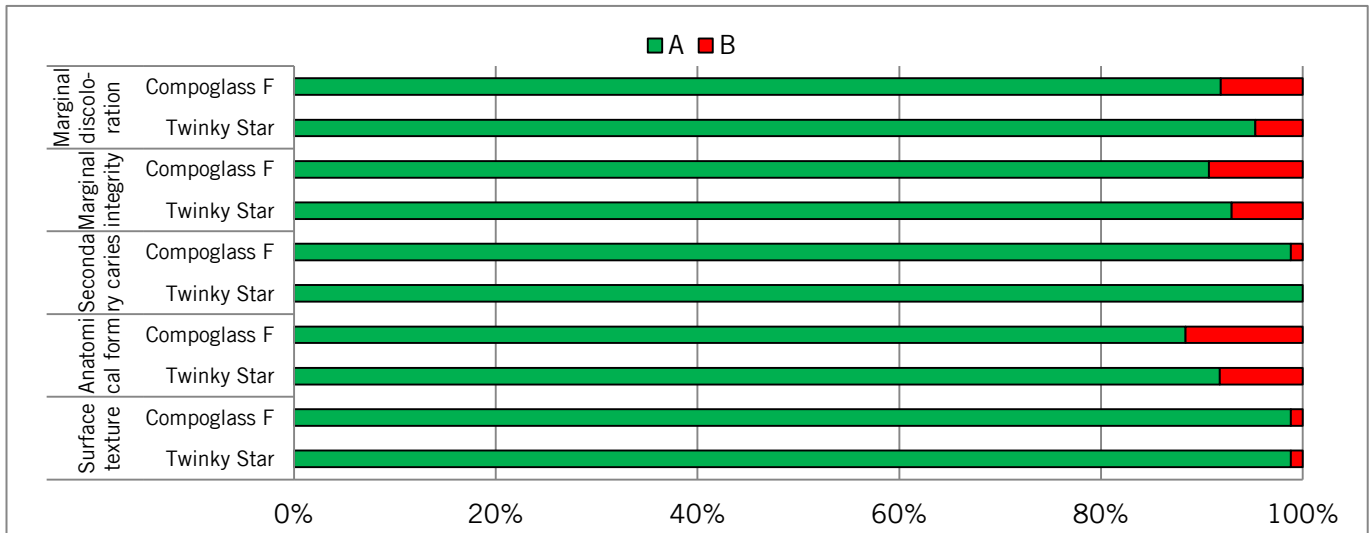


**Twinky Star, the coloured compomer manufactured by VOCO, was developed especially for use in paediatric dentistry. The coloured fillings with glitter effect are accepted very well by children and increase their cooperation. To what extent not just optically interesting, but also clinically sufficient fillings can be placed with Twinky Star was evaluated in a clinical study at the University of Izmir (Turkey).<sup>[1]</sup>**

196 Class II restorations placed in 98 children between the ages of 5 and 10 in the split-mouth design were observed in the study presented here. Each subject received a filling with Twinky Star and a filling with Compoglass F (Ivoclar Vivadent). The restorations were examined according to the criteria of the US Public Health Service after 12 months.

### Results of the study

Figure 1 shows the results after 12 months. Twinky Star exhibits slightly better values in all criteria, whereby the differences between the materials used were not statistically significant. The colour of Twinky Star did not have an effect on the result of the evaluation. The survival rate in the Twinky Star group was 93 %.



**Figure 1:** Results of the Class II restorations after 12 months

**Conclusion: Twinky Star permits the placement of coloured fillings with glitter effect. The restorations exhibit excellent values in this clinical study.**

[1] F. Ertugrul, D. Cogulu, Y. Özdemir, N. Ersin, *Med. Princ. Pract.* **2010**, *19*, 148-152.