

Restoration at the mandible with a Dolder Bar

## Simple, Reliable and Esthetic

**Key Words:** Easy to use, Easy to maintain, Long term quality, Aesthetic, Comfort, Satisfied patient

**Restoration:** Dr. Grégory Pergola

**Dental Laboratory:** Chassot & Deschenaux, Fribourg



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We were lead to treat a 57 year-old female patient in order to find a solution to her mandibular clinical situation. Following the extraction of teeth 35 and 47, her present stellite no longer offers the function and stability required and moreover, the aesthetic aspect needed to be improved. The remaining teeth did not show any mobility and the patient's overall health was good.

A fixed restoration would have been possible, however, the patient did not want to undergo a tedious surgical treatment to install implants. Consequently, she chose a removable restoration with attachments, which was more suited to her wishes.

Due to the position of the remaining teeth, respectively the abutments, their favourable periodontal and substance condition, a removable restoration was quite appropriate. The particularity in this case was not to leave abutment 43 isolated, as it would have been submitted to charges that were too great but

rather to solidify it with abutments 33 and 34. This was done with the help of a Dolder bar, therefore creating a stable monobloc.

Both M-SG® Star 1, were placed distally of 33 and 34 and provide an excellent stability of the removable portion of the restoration, while optimizing aesthetics as well as comfort for the patient, since this channel does not require a braced support, which is included in the male portion.

A Dolder bar with a M-SG® Star 1 channel was therefore chosen since the bar solidifies the isolated tooth and contributes to a reliable friction surface. As for the two channels, they allow for an easy application at the laboratory while facilitating aesthetics, without hindering the reliability of the restoration. The long-term adequate support of the restoration is provided by the easy activation of the female portion of the bar and by the interchangeable friction sheaths for the channels.

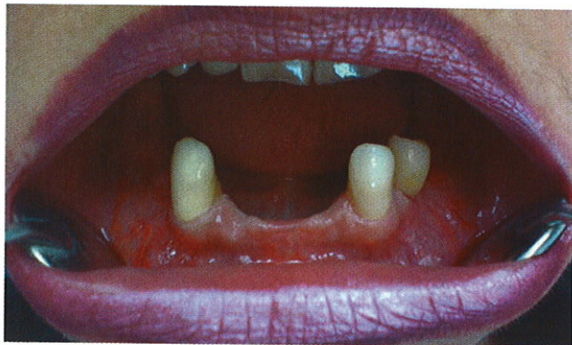


Fig.1: Clinical situation of teeth 33/34 and 43, their sound condition provides a reliable base as abutments.



Fig. 2: Monobloc of teeth 33/34 and 43 with a Dolder bar, which did not require an aesthetic compromise due to the available vertical height.

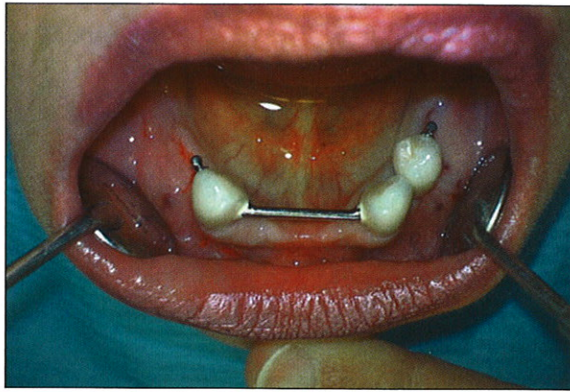


Fig. 3: Clinical situation of the fixed portion of the restoration with the Dolder bar and the M-SG® Star 1 male parts.



Fig. 4: Attachment counterpart glued to the stellite, therefore contributing to the passive fitting of the restoration on the model and respectively in the mouth.

## Conclusion



An objective analysis of the situation, while taking into account the clinical and technical criteria, as well as the patient's wishes and the appropriate choice of attachments allowed us to solve this clinical case to the patient's entire satisfaction, without embarking in a technically sophisticated and demanding restoration. 



Fig. 5: View of the restoration in the mouth, corresponding to the patient's wishes.

## About the author

**Bernard Guggisberg, CDT**, graduated from The Dental Technical School in Lausanne in Switzerland in 1974. He has worked in commercial laboratories in Switzerland and abroad providing expertise in ceramic, attachments and milling technique. While developing attachments and dental alloys at Cendres & Métaux SA, Switzerland, he earned a master of management from the SIU School in Switzerland. He is now employed by Cendres & Métaux SA, Switzerland as sales promoter and consultant in dental technique. He is also an instructor at the Master Dental school in Switzerland and serves as a member of the board of the Master Dental Technician Association.



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