



Fig. 1: Ot Equator attachments screwed into the implants. Photos/Provided by Dr. Marco De Angelis

Fig. 2: Rhein83 Ot Equator attachment system.

Fig. 3: Denture completed.

Upper, lower dentures on Rhein83 components

By Marco De Angelis, DDS, and Luigi Ciccarelli, dental technician

This clinical case illustrates in a schematic way some of the stages involved

in the realization of an upper and lower overdenture on eight implants: four implants on the upper jaw and four on the lower (Fig. 1).

This solution will provide greater stability to the prosthesis during the phona-

tion and chewing functions. This enables the patient to feel safe, comfortable and confident with the prosthesis while in social situations.

This technique uses the spherical attachments that enable the clinician to

reduce the final costs when compared with a solution using a bar.

The fact that the prosthesis will be retained by implants does not lessen the need that the prosthesis achieve all of the other requirements of a traditional prosthesis: It must have an appropriate extension of the edges, a correct vertical dimension, a repeatable centric relationship and a correct assembly of the teeth. The prosthesis thus conceived will not have only an implant support but it also will have a mucous support.

In the presence of reduced vertical dimensions and a high number of implants, it is preferred to use of a superstructure of cobalt chromium that will prevent any breakage in correspondence of the metal housings containing the retentive caps.

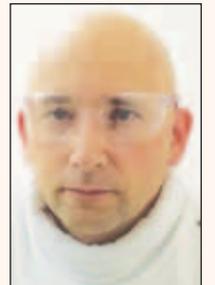
The clinician, before fixing the retentive caps (Fig. 2), will check the insertion paths of the prosthesis to eliminate residual areas of compressions with a special paste and the centric contacts.

The fixing of the retentive caps with liquid resin will be facilitated by the use of protective disks that prevent the resin from invading the undercuts of the attachments, allowing an easy removal of the prosthesis once cured.

After the curing, the excess of resin will be finished with a bur.

Before the final delivery, the patient will be instructed on how to properly store and clean the prosthesis and implants. The prosthesis *in situ* received clear satisfaction from the patient. Thanks is due to Vincenzo Liberati of Lab. DentaLine for the construction of the superstructure (Fig. 3).

For more information, you can visit www.marketing@rhein83.it.



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AD

OT EQUATOR SmartBOX be smart

Rotational core
Titanium housing with TiN coating
Rotational functionality
Elastic Cap

Free-trauma insertion
Implant divergency correction up to 50°

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