

syal

the perfect seal for soft tissues





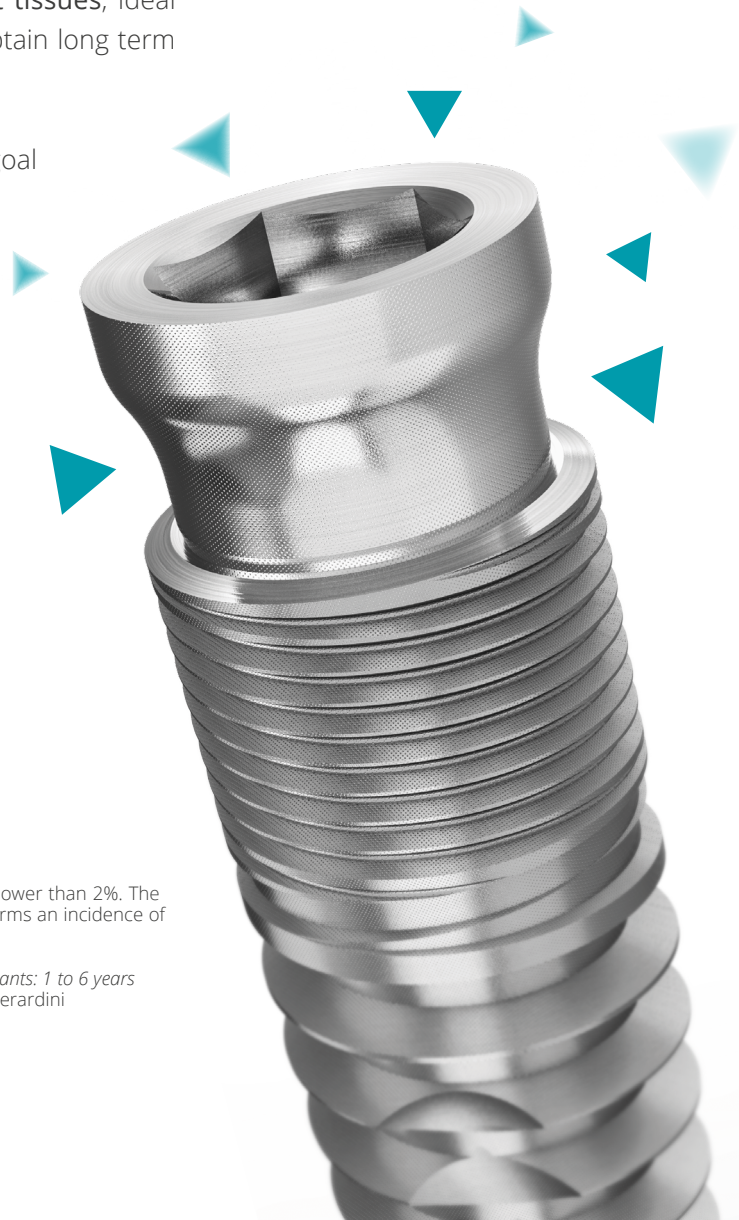
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Notwithstanding the high level of success of implant rehabilitations, biological complications such as **the loss of marginal bone** and the **onset of peri-implantitis*** are the main health threats of the endosseous implant overtime.

More and more today the research focuses on the **creation of an implant-abutment junction** and the **adhesion of soft tissues**, ideal to reduce the risk of biological complications and to obtain long term integration.

Thanks to the research&development by Geass, this goal has been achieved: the **Syal** base is born, with **Synthebra** laser-treated surface.



* Thanks to Synthebra the incidence of peri-implantitis on way Mix implants is lower than 2%. The publication of the monitoring at 6 years on 263 patients and 502 implants confirms an incidence of peri-implantitis inferior to 2%

International
Journal of
Implant Dentistry

Radiographic bone level around particular laser-treated dental implants: 1 to 6 years
C. Mongardini, B. Zeza, P. Pelagalli, R. Blasone, M. Scilla and M. Berardini

Advantages

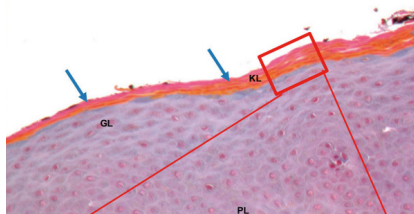
Synthegra laser treatment positively effects the healing of peri-implant soft tissues, maintaining the integrity and functionality of the gingival ephitelium.

The research data** establish that the mucosa microenvironment around Synthegra surface is characterized by a **lower grade of inflammation** compared to the machined surface.

This difference caused by the nanotopographic diversity can only be obtained thanks to Synthegra laser technology: same base, two different treatments.

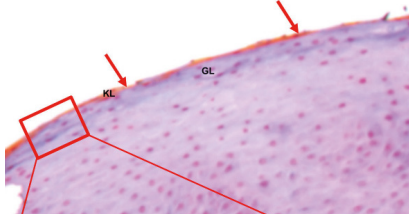


Results



Laser:

Correct keratinization process (blue arrows). Regular morphology. Absence of inflammatory areas.



Machined:

Incorrect keratinization process: keratinized layer little present or absent (red arrows). Leucocytes infiltration.

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Journal of
Clinical Medicine

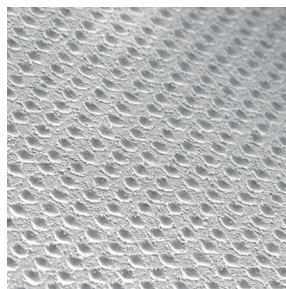
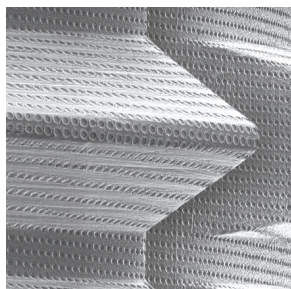
Immunohistochemical Results of Soft Tissues Around a New Implant Healing-Abutment Surface: A Human Study
Barbara Ghinassi, Gianmaria D'Addazio, Angela Di Baldassarre, Beatrice Femminella, Giorgio Di Vincenzo, Maurizio Piattelli, Giulia Gaggi and Bruna Sinjari



International Journal of
Molecular Sciences

Gingival Response to Dental Implant: Comparison Study on the Eects of New Nanopored Laser-Treated vs. Traditional Healing Abutments
Barbara Ghinassi, Angela Di Baldassarre, Gianmaria D'Addazio, Tonino Traini, Mauro Andrisani, Giorgio Di Vincenzo, Giulia Gaggi, Maurizio Piattelli, Sergio Caputi and Bruna Sinjari

Synthegra



2020

Over 15 years of research are highlighted in the monitoring publication at **6 years** on **263 patients** and **502 implants**, attesting an incidence on peri-implantitis lower than 2%.

2018

Synthegra is the **first surface in the world**, allowing to reach two goals: an excellent **osseointegration** and a **reduction of the risk of peri-implantitis**.

2012

Beginning of the research on the bacterial adhesion on **Synthegra** laser surface.

2007

After 3 years of research and excellent osseointegration performance during clinical trials, **Synthegra** is launched on the market, applied to **way** line.

2004

Synthegra is born as a Research&Development project, aiming to improve the field of surface treatments: it is the **only surface with predetermined texture**, obtained without use of contaminants.

Geass srl

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