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Sagemax experience

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NexxZr T Multi monolithic  
by Dr. Gonzalo Perea &  
Michał Nytko



INTERCONTINENTAL TEAMWORK

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# Sagemax experience

Clinical treatment at Gonzalo Perea's practice in Mexico

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**Dr. Gonzalo Perea**

When former professional soccer player Pedro Osorio, a living legend of Mexican football, visited my clinic, Dental Studio in Orizaba, Mexico, it marked the beginning of a remarkable digital dentistry journey.

Faced with extensive dental challenges, his case required a meticulous and technology-driven approach to restore both function and esthetics.



*Pedro Osorio*

Former professional soccer player

### Comprehensive Diagnosis and Treatment Planning

Following the initial interviews and the compilation of the patient's clinical record – with the support of digital tomography, panoramic X-rays, and intraoral 3D scans using the Medit i600 – we developed a tailored treatment plan for a complex case presenting:

- **Dental abrasion** caused by a history of gastroesophageal reflux
- **Cavities** in 22 teeth, classified as second- and third-degree
- **Generalized hypersensitivity** to thermal changes
- **Severe loss** of vertical dimension
- **Generalized gingivitis**



### Treatments Performed

The following clinical procedures were carried out on the patient:

- **General ultrasonic prophylaxis**
- **Scaling and root planing**
- **Alveolar ridge regularization** with bone grafting and placement of a collagen membrane in the lower jaw (teeth 31 and 32)
- **Cavity removal** in 22 affected teeth
- **Endodontic treatment** in 15 teeth: 11, 12, 13, 14, 15, 16, 17, 21, 22, 26, 37, 45, 46, and 47
- **Placement of seven fiberglass posts** in teeth 11, 12, 13, 14, 21, and 22
- **Prosthetic preparation** of 22 teeth for the placement of Sagemax zirconia prostheses



### Treatment Planning and Execution

After preparing the dental surfaces, a 3D scan was performed using the Medit i600 and sent to a laboratory in Poland. This enabled a digital articulation setup in Exocad, initiating the precise design and planning of the case. One of the primary objectives was to restore the lost vertical dimension while optimizing esthetics in harmony with the patient's physical characteristics.

Once the digital trials were completed and the final anatomical design was approved, the necessary occlusal adjustments were made. The fabrication of the definitive restorations was then carried out by Polish technician Mr. Michał Nytko, ensuring exceptional precision and quality in each Sagemax zirconia structure.

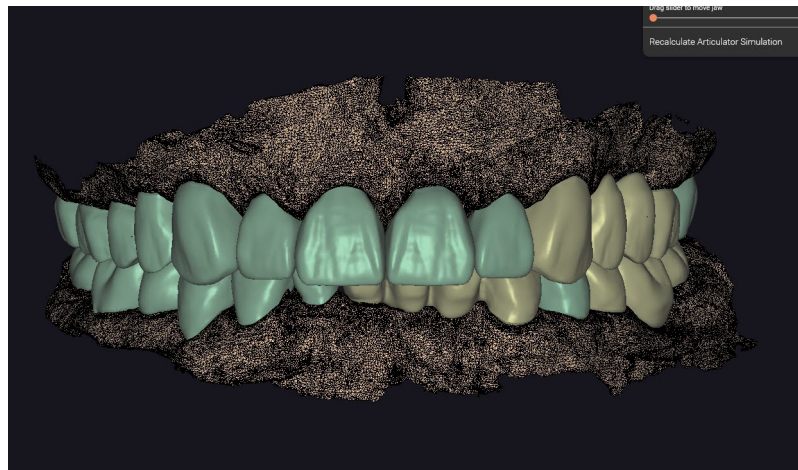
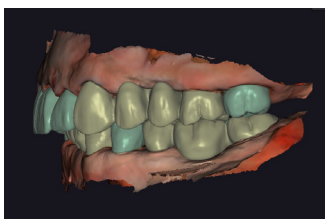
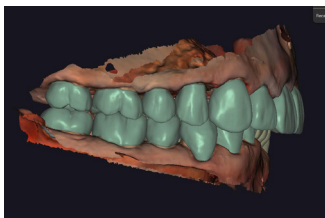
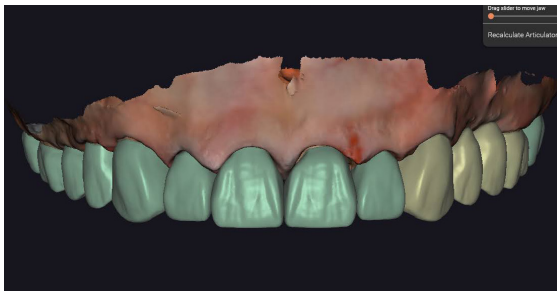
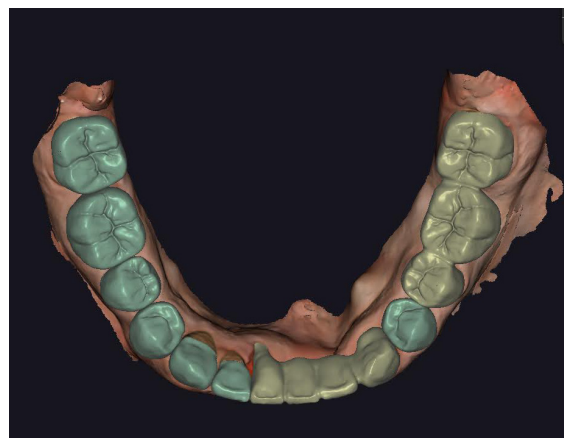
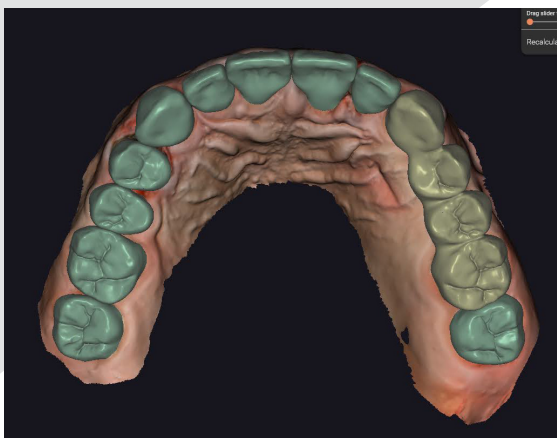
## Fabrication of the dentures at Michał Nytko's laboratory in Poland



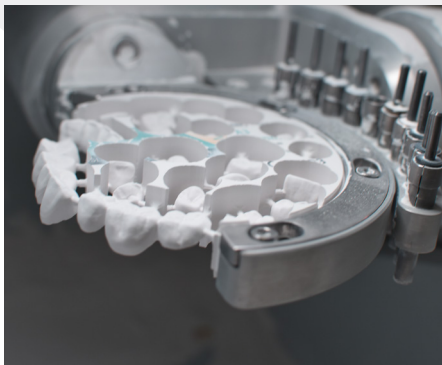
### Michał Nytko

After receiving the scans from Dr. Gonzalo in Mexico, I first used the virtual articulator in Exocad to raise and establish occlusion, relying on both the provided data and my own expertise. Next, I marked the preparation boundaries and designed the patient's new smile.

Having patient photos was invaluable in selecting the ideal tooth shape that, in my opinion, best complemented the patient's facial features. When designing a full-contour or anatomical restoration, precise separations and properly formed contacts play a crucial role in ensuring both function and esthetics.



Exocad screenshots of the completed project.

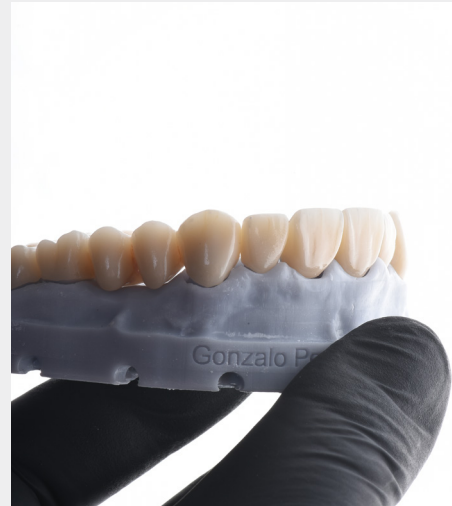


Screenshot of the work being placed in the block in the Millbox program. I pay special attention to the NexxZr T Multi gradation and arrange the constructions to optimize the use of the block as much as possible.



The finished work was stained with Creation by Willi Geller Magic Color stains and glazed with spray glaze, using my own one-bake technique.





The work was done fully digitally, before sintering I gave it an appropriate texture, which was not flooded by the glaze and gives it a natural look.

## Insertion of dentures at Gonzalo Perea's practice in Mexico

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### Dr. Gonzalo Perea

After the intercontinental shipment from Poland to Mexico arrived, the temporary restorations were removed. In a single session, 28 Sagemax zirconia crowns were placed, ensuring both functional and esthetic excellence.

For this crucial step, a highly standardized cementation protocol was followed using Ivoclar materials: OptraDam Plus, Mono Bond N, Multilink Speed, Eco Etch, Variolink Esthetic Try-In, Curing with Bluephase N MC



The final result was simply flawless. The color and shape of the restorations blended seamlessly with the patient's natural features, achieving both functional and esthetic perfection.





## Conclusion



This clinical case exemplifies the synergy between advanced digital technology and precision dentistry, achieved through the collaboration between Mexico and Poland under the leadership of Sagemax. The implementation of a fully digital workflow – from planning to the fabrication and cementation of restorations – enabled a highly functional and esthetic outcome.


As a result of this treatment, the patient achieved a full-mouth restoration that not only ensures efficient masticatory function but also enhances dental esthetics, significantly improving both quality of life and self-esteem.




### Dental designers

**Dr. Gonzalo Perea**  
Dentist, Mexico


[www.drgonzaloperea.com](http://www.drgonzaloperea.com)


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