



## CASE REPORT

# EVO FUSION & LO RUSSO RETRACTORS

Dentist: **Dr. Jonas-Peeters**

# INTRODUCTION

Even more dentists discover now the benefits of the EVO FUSION digital dentures where the use of the unique Lo Russo retractors and the accompanying scanning strategy unleashes a true revolution. Until recently, the digital prosthesis was only truly digital on the production side. In the lab, the entire production process has already been digitized, which leads to a stronger, better fitting prosthesis. However, the conventional steps of impression taking were still performed on the chair-side because the soft mucosa, moving parts, especially in the lower jaw, are difficult to scan. Scanning a conventional impression with an IOS was the "digital" option. Thanks to the Lo Russo retractors, an edentulous jaw can now be scanned in a passive state. Individual trays and impressions have become things of the past.

A 78-years old man was referred to UZ Leuven, Restorative Dentistry Department for the rehabilitation of an edentulous maxilla and mandible. His main complaints were absence of chewing comfort and aesthetic shortcomings, which had an impact on his quality of life.

After clinical examination and determining the treatment expectations and financial possibilities, it was decided to restore both jaws with removable dentures. There were no medical contra-indications.

The aim of this case report is to present the digital workflow for removable denture fabrication, following the protocol as described by Professor Lo Russe et al.

Now adding the option to scan the edentulous arch and avoid the physical impressions and scanning those, is truly a game-changer. This new concept, developed by Prof. Lucio Lo Russo, makes it possible to take intra oral scans of edentulous arches for EVO FUSION denture design in a single procedure.

## LO RUSSO RETRACTORS: A GAME CHANGER

Lo Russo Retractors are patented medical devices, for professional use in dentistry.

The retractor system was developed to support the intraoral scanning of dental arches, in particular, totally or partially edentulous arches. It allows to spread and stabilize the tissues (lips, tongue and cheeks), to facilitate the movement of the scanner tip and help maintaining an adequate distance from the ridge.

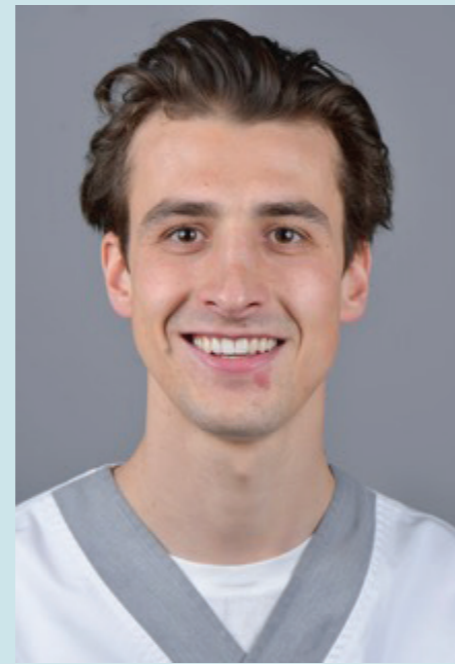
The retractors work as a "track" for the pathway.



BEFORE



AFTER



**Dentist: Dr. Jonas-Peeters**

Nationality: Belgian  
Date Of Birth: 19-08-1995

**PROFESSIONAL EXPERIENCE**  
Dental practice Icarus  
Dental practice Peeters & Nuttens  
University Hospital Leuven

**EDUCATION**  
2017-2019  
Master of Dentistry  
Catholic University of Leuven

2020-2023  
Master of Science in  
Advanced Dentistry  
Postgraduate degree in  
Restorative Dentistry

# TREATMENT PROCESS SUMMARY

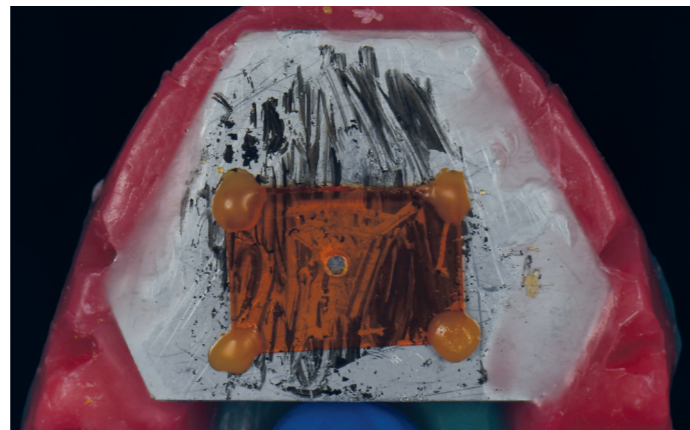
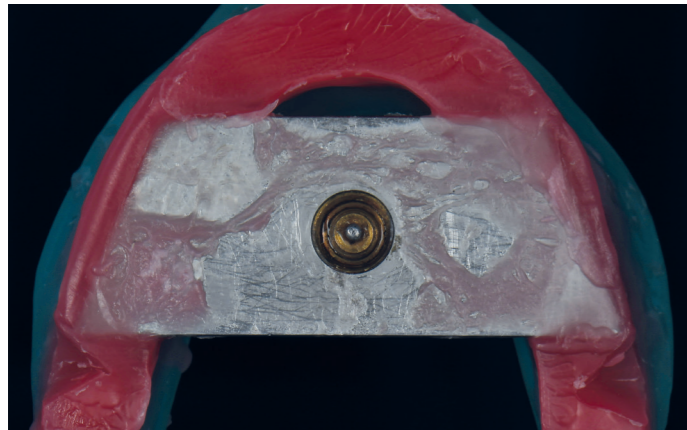
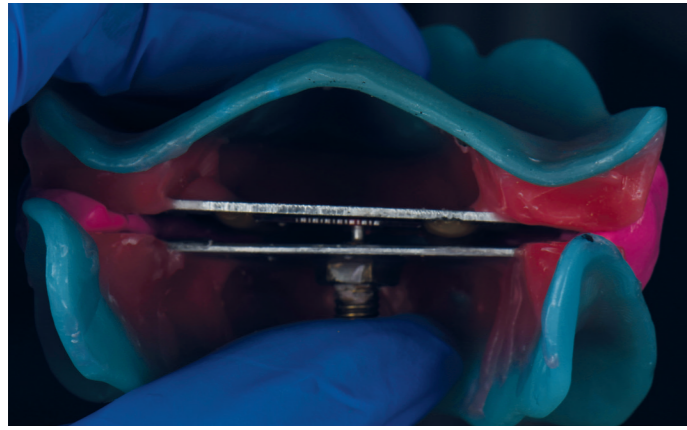
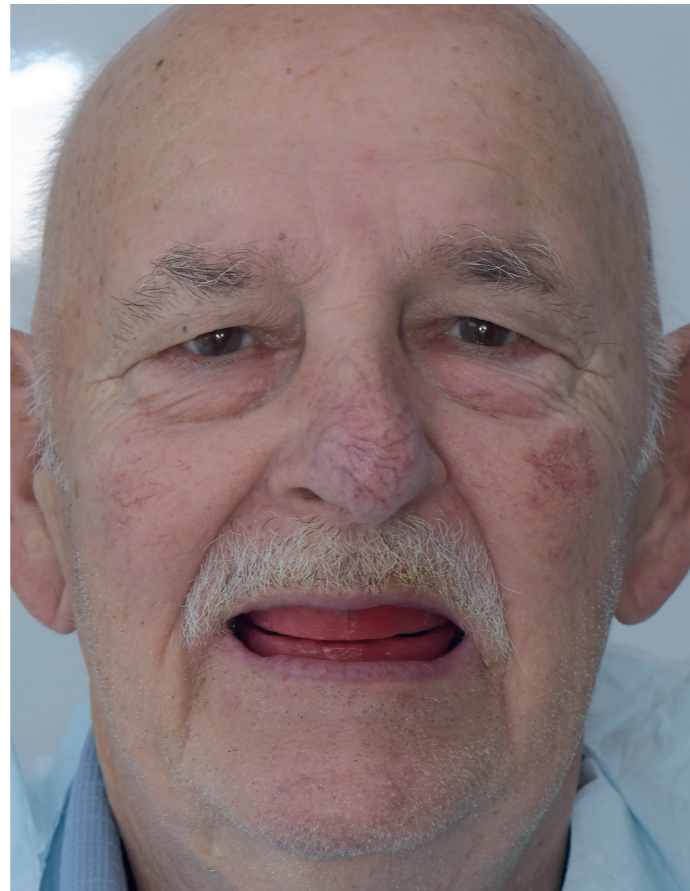
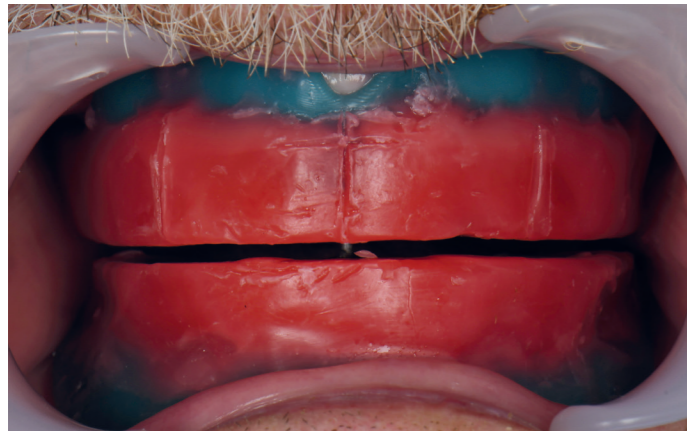
## 1. INITIAL SITUATION



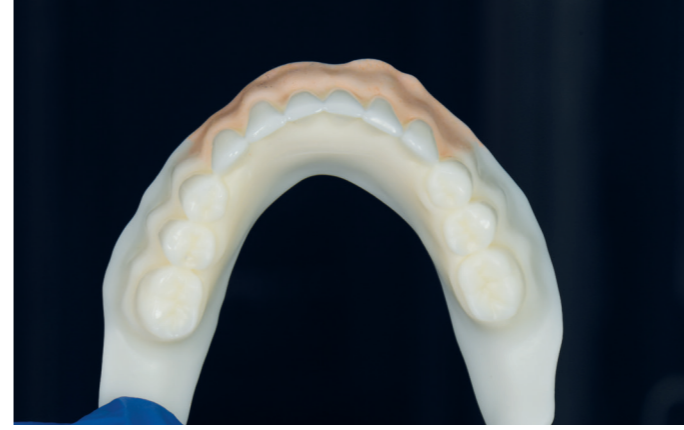
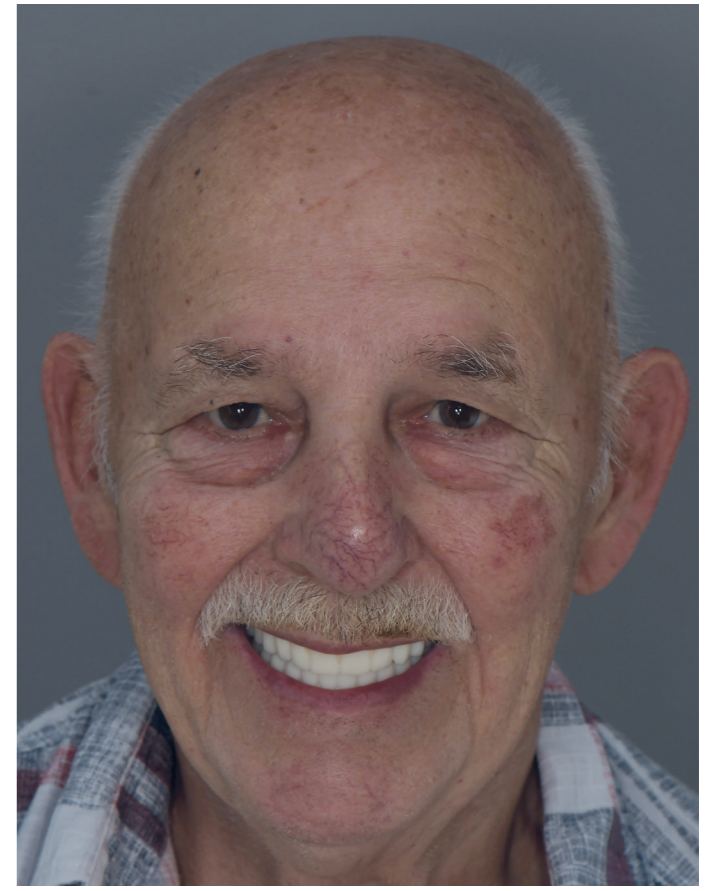
## 2. LO RUSSO RETRACTORS IN SITU AND SCANNING UPPER AND LOWER



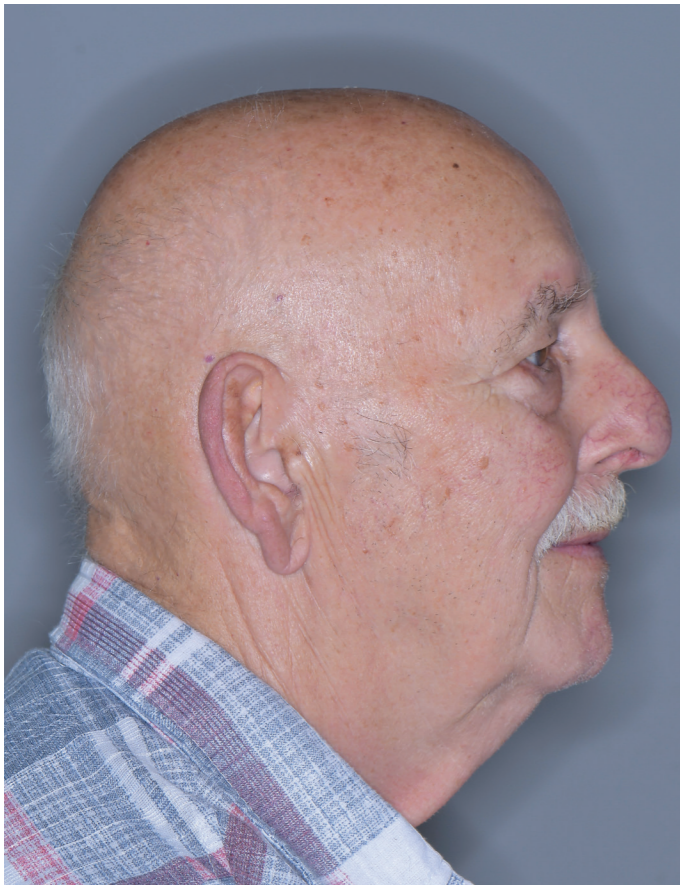
### 3. BITE REGISTRATION, INTRA ORAL GOTHIC ARCH TRACING



### 4. TRY-IN PHASE



## 5. PLACEMENT FINAL EVO FUSION DENTURE



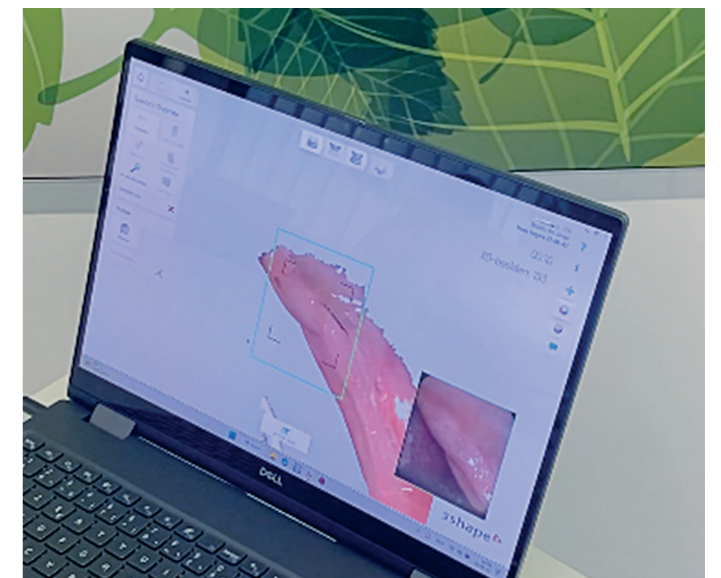
## DENTIST AND PATIENT FEEDBACK

### Dr. Jonas Peeters:

"After the introduction of the EVO FUSION solution by Elysee Dental, I was excited to try this new concept. Being able to use my IOS in combination with the Lo Russo retractors for this type of work which meant less appointments for the patient, a clear and predictable workflow and beautiful, strong and perfectly fitting dentures as end result, convinced me. The Elysee team supported every step of the flawless treatment. My patient was very motivated and we were both thrilled with the end result!"

### Patient:

"My new dentures look amazing and the treatment went smooth and fast. I was happy that the whole procedure took place without taking physical impressions. The fit, comfort and looks are very good and look natural. Thanks to both the dentist and the dental lab for a job well done!"





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