

# Assessment of Quality of Life in a retrospective study of Total Oral Rehabilitation of the Upper Jaw with TransZygomatic Fixation

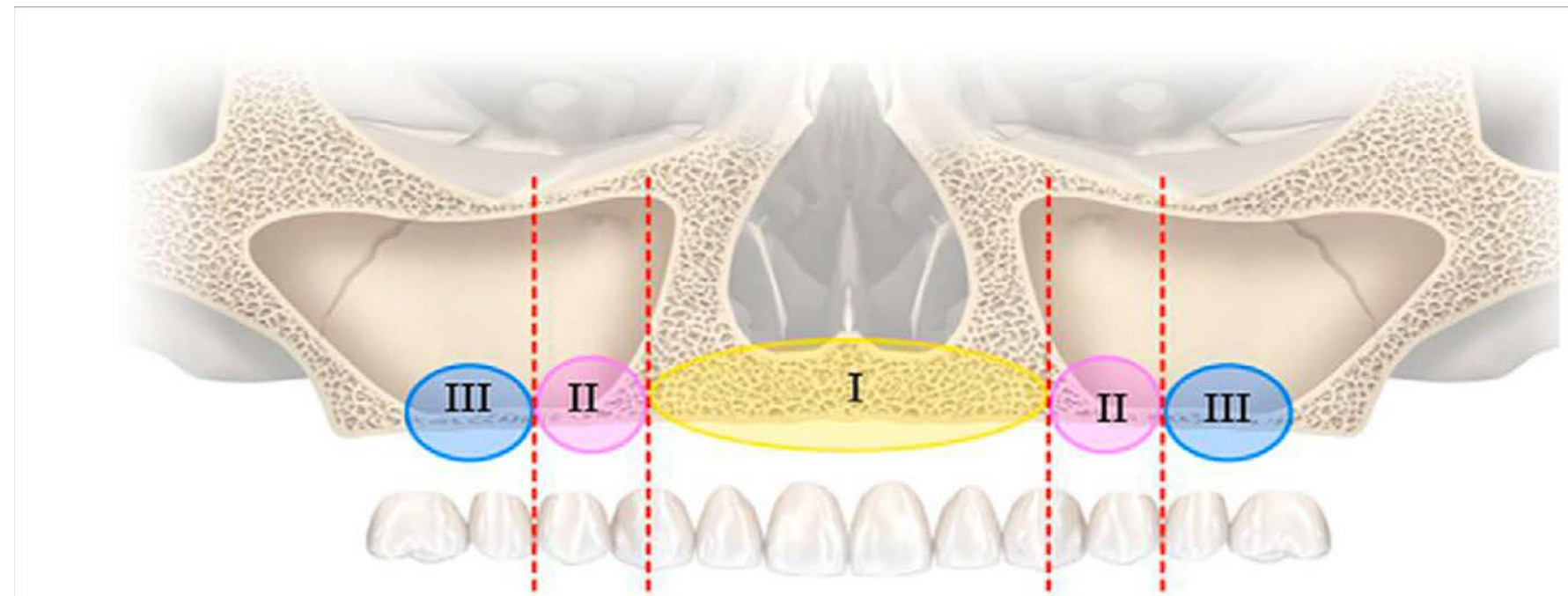
Pinheiro L, Duarte F, Severino E, Leeson R, Hopper C

Department of Oral and Maxillofacial Surgery, UCL Eastman Dental Institute, 256 Gray's Inn Road, London WC1X 8LD • www.ucl.ac.uk/eastman



## Introduction

### Patient Selection for Zygomatic Implants



Zones of the maxilla; presence or absence of the zones dictates the surgical concept (Bedrossian, 2011).

Presence of bone	Surgical approach
Zones I, II and III	Traditional (axial) implants
Zones I and II	Four traditional implants (tilted)
Zone I only	Zygomatic implants plus two or four traditional implants
Insufficient bone	Four zygomatic implants

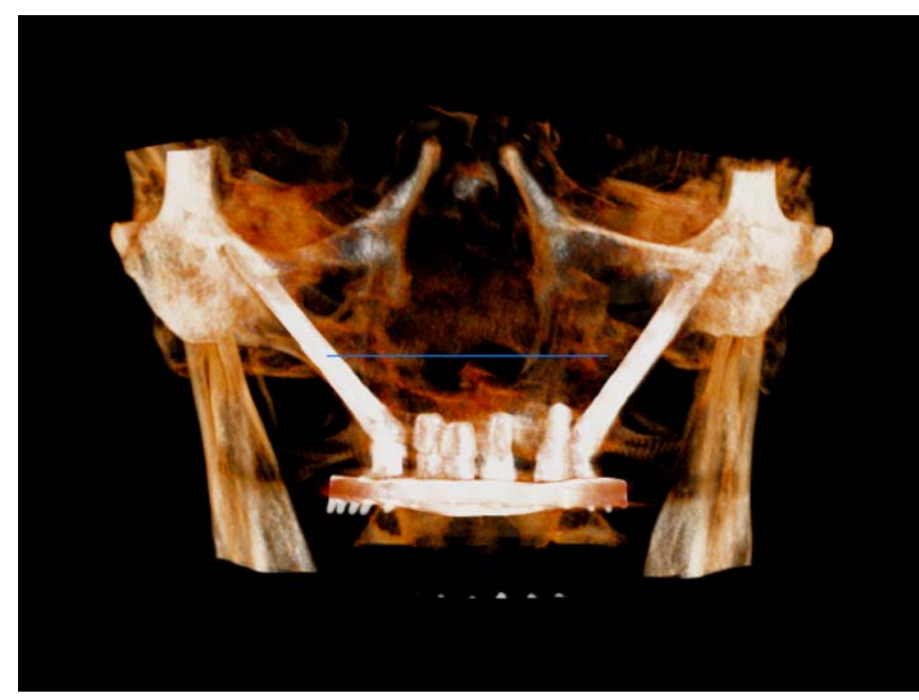
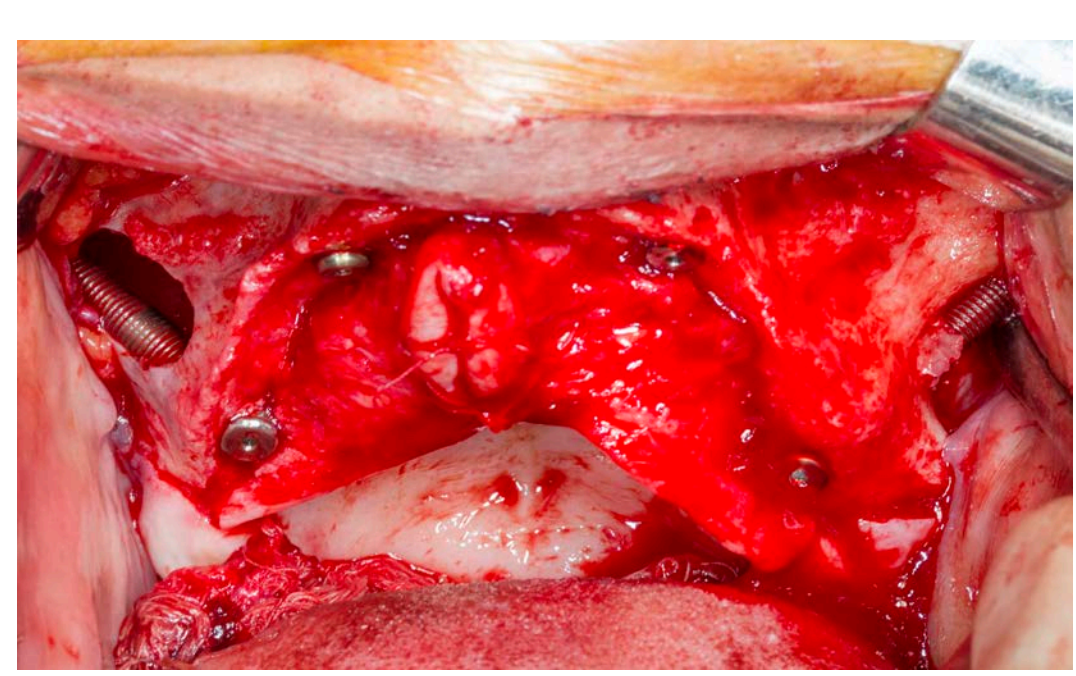
Treatment recommendations based on the presence of bone in the different zones of the maxilla (Bedrossian, 2011).

### Advantages of Zygomatic Implant Surgery

- **Short** treatment time
- **Decreased** morbidity (no graft donor site)
- **Fewer** implants necessary to support prostheses
- **Decrease** patient costs
- **Overcome** osseous deficiency by engaging zygomatic bone

(Chrcanovic BR, 2016).

### Placement of zygomatic implants as alternative to bone grafting (Brånemark PI, 2004).



Patient 1 - Post-operative O.P.G.

Patient 5 - Intra-operative

Patient 3 - 3D - Reconstruction

## Aims and Objectives

**Developing a specific Questionnaire** to measure patient's Quality of Life and the impact of treatment on their QoL.

### Primary objective

The quality of life assessment in patients submitted to transzygomatic surgery at 3 different Time Points (TP):

- TP1 – Before transzygomatic surgery
- TP2 – After transzygomatic surgery
- TP3 – After final oral rehabilitation

### Secondary objective

The quality of life assessment between TP2 and TP3 in two different **Groups** of patients:

- G1 – TFSwILI – Temporary Fixed Structures with Immediate Loading Implants
- G2 – Others – other types of temporary structures, not immediate loaded.

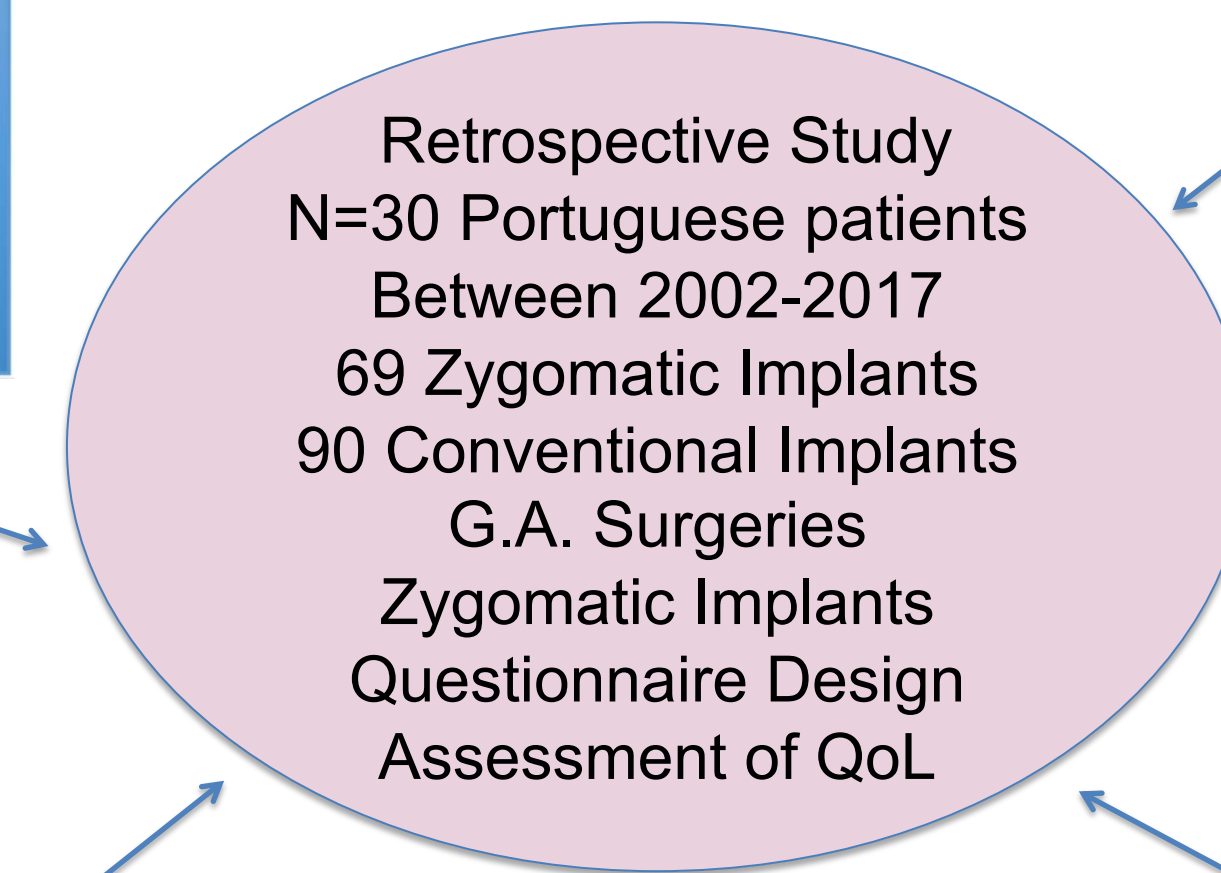
## Materials and Methods

University College of London  
Eastman Dental Institute  
Oral & Maxillofacial Surgery  
Department

C.E.R.O. Clinic  
Lisbon  
Dr. Luis Pinheiro

University of Lisbon  
Faculty of Sciences  
Statistical Department

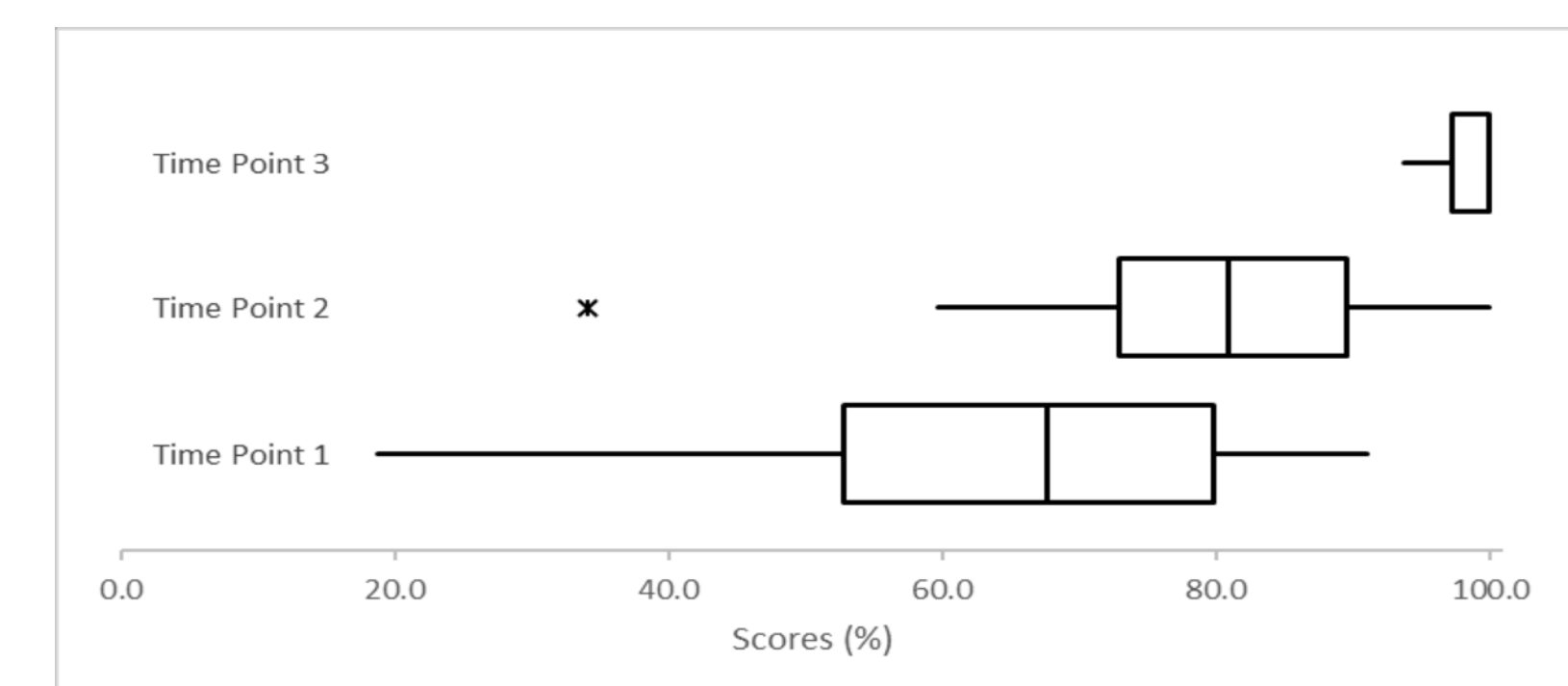
Clitrofa Clinic  
Oporto  
Dr. Fernando Duarte



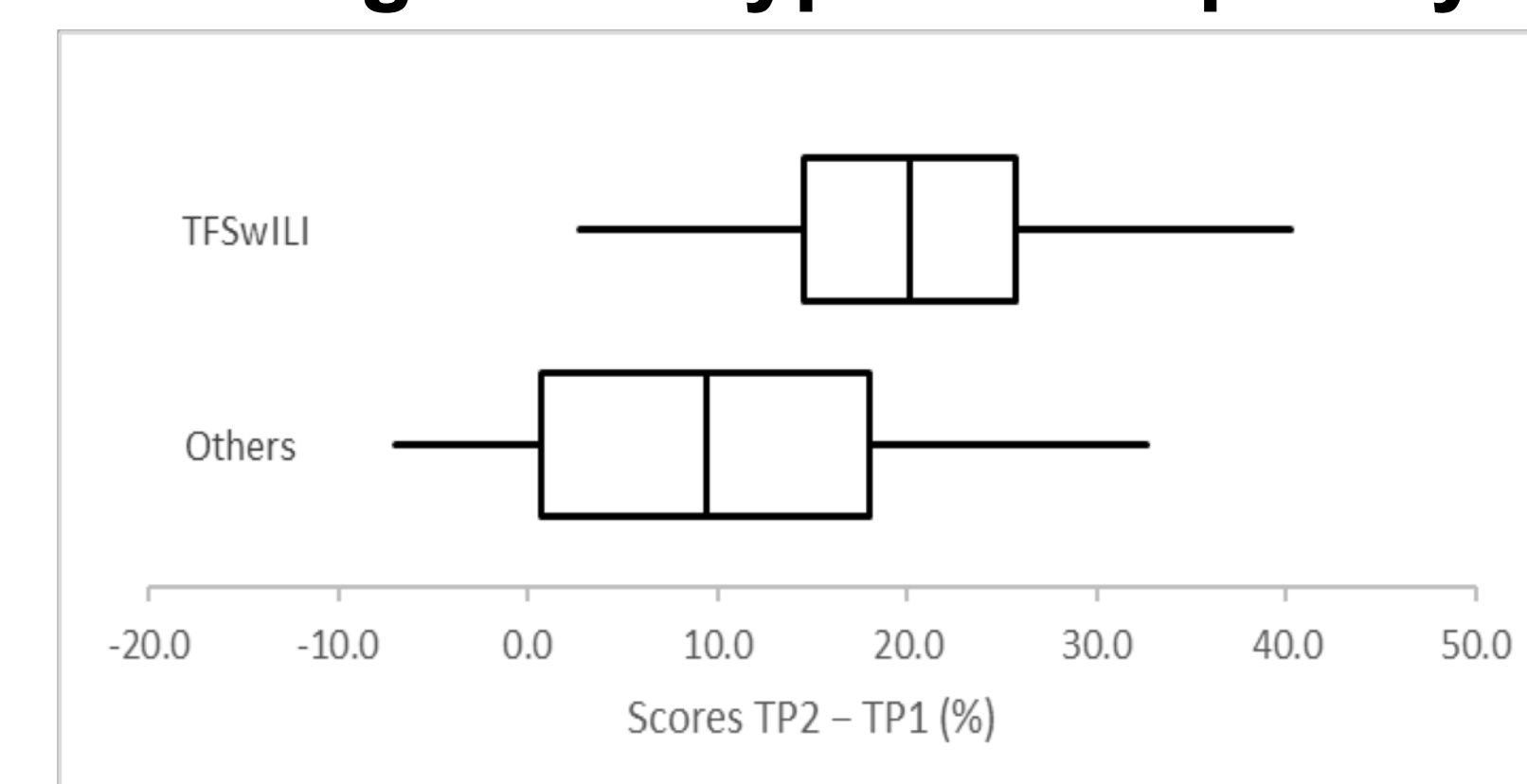
The chosen reference for this Project was the "**Quality of Life Questionnaire of the University of Washington**". and a new questionnaire was design. **The objective of oral rehabilitation is to restore function and thus promote patient well-being** (Rogers S N, 1999). There is **Paucity of studies** on **Health-Related Quality of Life** (HRQOL) in oral rehabilitation patients (Pace-Balzan A, 2004).

## Results

### Quality of Life Scores in the 3 different Time Points



### Time Points 1 & 2 for 2 Comparison of difference of scores in groups according to the type of temporary rehabilitation



Temporary Fixed Structure with immediately loaded Implants vs Others

## Discussion

- A questionnaire was validated with good internal consistency.
- Quality of Life is increasing from TP1 to TP3.
- TFSwILI give more QoL to the patients since TP2.
- Multi centre would achieve a larger sample.

## Conclusion

Assessment of quality of life must be carried out to evaluate outcomes

- Do the treatment outcomes match patient expectations?
- What is the treatment impact on daily life?
- How does it affect the patients' relation with their families and friends?
- How does the treatment affect the patient physically and psychologically?

Patients will be the most beneficiaries of these improvements

## References

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