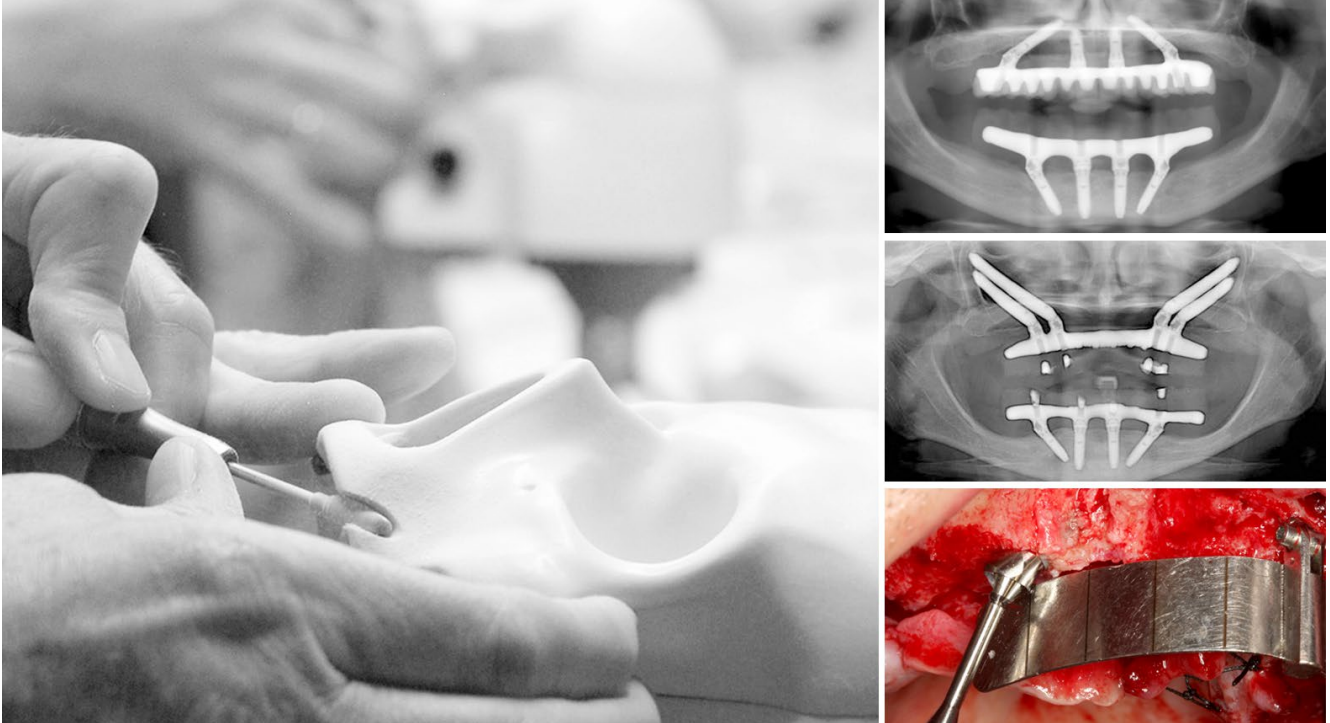


## CADAVER COURSE | ALL-ON-4® SURGICAL PROTOCOL – FROM STANDARD TO ZYGOMA CASES

MALO CLINIC REHABILITATION PROTOCOL FOR EDENTULISM

Presented by Armando Lopes, DDS, MSc, PhD, Ana Ferro, DDS and members of the MALO CLINIC



### COURSE OVERVIEW

- Re-thinking oral rehabilitation
- Patient selection and treatment planning – from Standard to Extra-Maxilla Cases
- How to manage possible Zygoma cases complications
- The esthetic possibilities of All-on-4® Protocol
- All-on-4® protocol surgeries – Live Cases
- Immediate Prosthesis Delivery
- Standard & Zygoma Hands-on Sessions on models
- Cadaver Hands-on Session (full day – Surgical Procedures from Standard to Extra-Maxilla Cases)

### PARTICIPANTS

Professionals experienced in implant dentistry

Minimum Number of participants: 6 Surgeons

Maximum Number of participants: 20 Surgeons

### AVAILABLE DATES

JULY 23-25, 2020 | DECEMBER 03-05, 2020

### PROGRAM DURATION & COURSE FEE

3 Days | 9.950 Euros

REGISTRATIONS & PAYMENTS DEADLINE: 60 days before course start

(contact us if this deadline has passed)

We give special conditions to participants who have already attended other MALO CLINIC Education trainings, and Nobel Biocare costumers might benefit from special registration conditions, please contact us for more information or your Nobel Biocare local sales representative.

- 20-years track record of All-on-4 Rehabilitation Cases, 800 Cases/year in average;
- 93 peer-review scientifically articles published and 44 R&D currently ongoing projects;
- Dedicated team and over 60 clinicians involved in R&D activities
- A multidisciplinary team with undisputable know-how, and experience in training & education activities.

With the support of

## SYNOPSIS

Designed for those that want to broaden their experience in implant dentistry on total edentulous patients, including Zygoma cases, this training covers the All-on-4® surgical protocol in detail concentrating on all existing approaches – Standard, Hybrid and Double-Zygoma – offering participants a comprehensive training that will allow them to gain the skills and know-how to successfully rehabilitate atrophic mandibles/maxillae as well as severely resorbed maxillae in just a few hours,

Including live surgery, hands-on on both fresh frozen cadavers (1 full-day) and models, the course will take you through all the relevant aspects of the MALO CLINIC Protocol, from patient selection to treatment planning, and anatomic and imaging considerations, all the way through to the fitting of the immediate and final prostheses so you can offer immediate function to your patients even when facing with extremely atrophic maxilla and mandible cases.

Pioneered by Prof. Paulo Malo and the MALO CLINIC team in the early 90's, the All-on-4® surgical protocol is an innovative procedure for the rehabilitation of edentulous jaws focusing entirely on the patient and allowing you to offer immediate function and excellent esthetics with a limited number of implants, eliminating the need for time consuming and often debilitating bone graft procedures. For severely atrophic maxillae, this procedure is complemented with extra-maxillary (zygoma) anchored implants which placement will be covered in detail during this training.

---

## BASIC COURSE OUTLINE

**Lecturers:** Prof. Armando Lopes, Dr. Ana Ferro and members of the MALO CLINIC

\*SURGERIES ARE PERFORMED ACCORDING TO ONE OF THE ALL-ON-4® SURGICAL PROTOCOL APPROACHES (STANDARD, HYBRID AND DOUBLE-ZYGOMA). AT LEAST 2 SURGERIES WILL BE PERFORMED LIVE FOR THE COURSE (ONE STANDARD CASE, AND ONE HYBRID OR DOUBLE-ZYGOMA CASE – ZYGOMA ANCHORED IMPLANTS).

### DAY 1 | MALO CLINIC Lisbon

---

08:50 – 09:00	Welcome Desk / Introduction
09:00 – 10:30	Clinical Case Presentation LIVE SURGERY* Discussions, Questions & Answers
10:30 – 10:45	Coffee break
10:45 – 12:15	Clinical Case Presentation LIVE SURGERY* Discussions, Questions & Answers
12:15 – 14:00	Lunch and Tour of the clinic
14:00 – 15:30	Full-Arch Rehabilitation with Immediate Loading: All-on-4® Surgical Protocol - MALO CLINIC Protocol
15:30 – 15:45	Coffee break
15:45 – 17:45	All-on-4® Surgical Protocol & Zygoma Implants – The Hybrid and the Double-Zygoma approaches: Anatomic, Imaging and Surgical Considerations
17:45 – 18:15	Clinical Cases Discussion Session – Treatment Plan for Participants Own Cases
18:15 – 18:30	Functional and Esthetic considerations: Fitting of the Immediate Prosthesis (Live)

## DAY 2 | MALO CLINIC Lisbon

---

- 08:00 – 09:30 Clinical case presentation  
LIVE SURGERY\*
- 09:30 – 09:45 Coffee break
- 09:45 – 11:15 Clinical case presentation  
LIVE SURGERY\*  
Discussions, Questions & Answers
- 11:15 – 12:15 Implant Maintenance & Long-Term Success – “Cleaning is not enough”
- 12:15 – 13:15 Lunch
- 13:15 – 14:30 All-on-4® Surgical Protocol - Clinical Complications
- 14:30 – 16:30 HANDS-ON Sessions: Placing Implants according to Standard/Hybrid Approach
- 16:30 – 16:45 Coffee Break
- 16:45 – 18:15 All-on-4® Protocol – Treatment Planning & Provisional Prosthesis  
Final Rehabilitation of the Total Edentulous: MALO CLINIC Bridge & Prosthetic Complications
- 18:15 – 18:30 Functional and Esthetic considerations: fitting of the Immediate Prosthesis (Live)
- 20:00 - Social Event: Dinner

## DAY 3 – CADAVER HANDS-ON TRAINING FACILITIES

---

- 09:30 – 17:00 Hands-on Session on Fresh Frozen Cadavers in teams of 2.  
Coffee-breaks & Lunch included

Training organized by the MALO CLINIC, namely Dr. Armando Lopes and Dr. Ana Ferro in collaboration with the Anatomy Institute of the Faculty of Medicine of Lisbon, directed by Honourable Professor Doctor António Gonçalves Ferreira.



---

Surgeries scheduled at MALO CLINIC are dependent on the patient. The program may have to be adjusted, should a patient be delayed or re-scheduled the appointment. MALO CLINIC Education reserves the right to make other changes to it without prior notice.

It is strictly forbidden to photograph or record during MALO CLINIC Education Courses or Clinical Residencies.

MALO CLINIC Clinical Team: **Armando Lopes, DDS, MSc, PhD**; **Ana Ferro, DDS**; Abílio Fernandes, DDS; André Rodrigues, DDS; Andreia Rodrigues, DDS; Carlos Moura Guedes, DDS; Daniel Oliveira, DH; Filipa Gonçalves, DDS; Filipe Melo, DDS; Inês Gravito, DDS; Inês Murteira, DDS; João Martins, DDS; João Rangel, DDS; Mariana Alves, DDS; Mariana Nunes, DDS; Miguel Gouveia, DDS; Miguel Nobre, Msc Epi, PhD Epi; Pedro Cosme, DDS; Pedro Estêvão, DDS; Ricardo Almeida, DDS; Rodrigo Gonzalez, DDS; Sílvia Batista, DH; Tiago Caramelo, DDS; Tiago Estêvão, DDS.

## List of Clinical Articles Published by the MALO CLINIC R&D Department

Scientific Publications in peer-review journals

- Maló P, de Araújo Nobre M, Lopes A, Ferro A, Botto J. The All-on-4 treatment~concept for the rehabilitation of the completely edentulous mandible: A longitudinal study with 10 to 18 years of follow-up. *Clin Implant Dent Relat Res* 2019 Mar 28. doi: 10.1111/cid.12769. [Epub ahead of print]
- Maló P, de Araújo Nobre M, Lopes A, Ferro A, Nunes M. The All-on-4 concept for full-arch rehabilitation of the edentulous maxillae: A longitudinal study with 5-13 years of follow-up. *Clin Implant Dent Relat Res* 2019 Mar 28. doi: 10.1111/cid.12771. [Epub ahead of print]
- Maló P, de Araújo Nobre M, Moura Guedes C, Almeida R, Silva A, Sereno N, Legatheaux J. Short-term report of an ongoing prospective cohort study evaluating the outcome of full-arch implant-supported fixed hybrid polyetheretherketone-acrylic resin prostheses and the All-on-Four concept. *Clin Implant Dent Relat Res* 2018;20:692-702. doi: 10.1111/cid.12662. Epub 2018 Aug 15.
- Maló PS, de Araújo Nobre MA, Ferro AS, Parreira GG. Five-year outcome of a retrospective cohort study comparing smokers vs. nonsmokers with full-arch mandibular implant-supported rehabilitation using the All-on-4 concept. *J Oral Sci* 2018;60:177-186. doi: 10.2334/josnusd.16-0890. Epub 2018 May 10.
- Maló P, Lopes A, de Araújo Nobre M, Ferro A. Immediate function dental implants inserted with less than 30N·cm of torque in full-arch maxillary rehabilitations using the All-on-4 concept: retrospective study. *Int J Oral Maxillofac Surg* 2018;47:1079-1085. doi: 10.1016/j.ijom.2018.04.008. Epub 2018 May 4.
- Maló PS, de Araújo Nobre MA, Lopes AV, Ferro AS. Retrospective cohort clinical investigation of a dental implant with a narrow diameter and short length for the partial rehabilitation of extremely atrophic jaws. *J Oral Sci* 2017;59:357-363. doi: 10.2334/josnusd.16-0321.
- Hopp M, de Araújo Nobre M, Maló P. Comparison of marginal bone loss and implant success between axial and tilted implants in maxillary All-on-4 treatment concept rehabilitations after 5 years of follow-up. *Clin Implant Dent Relat Res* 2017 Aug 1. doi: 10.1111/cid.12526. [Epub ahead of print]
- de Araújo Nobre M, Maló P. Prevalence of periodontitis, dental caries, and peri-implant pathology and their relation with systemic status and smoking habits: Results of an open-cohort study with 22009 patients in a private rehabilitation center. *J Dent* 2017 Jul 25. pii: S0300-5712(17)30181-1. doi: 10.1016/j.jdent.2017.07.013. [Epub ahead of print]
- Agliardi EL, Romeo D, Panigatti S, de Araújo Nobre M, Maló P. Immediate full-arch rehabilitation of the severely atrophic maxilla supported by zygomatic implants: a prospective clinical study with minimum follow-up of 6 years. *Int J Oral Maxillofac Surg* 2017 Jun 24. pii: S0901-5027(17)31486-8. doi: 10.1016/j.ijom.2017.05.023. [Epub ahead of print]
- Maló P, Nobre MA, Lopes A, Gonçalves I, Nunes M. Seven mm long dental implants in posterior jaws: 3-year report of an ongoing prospective single cohort study. *Eur J Oral Implantol* 2017;10:85-93.
- Maló P, de Araújo Nobre M, Moura Guedes C, Almeida R. Outcomes of Immediate Function Implant Prosthetic Restorations with Mechanical Complications: A Retrospective Clinical Study with 5 Years of Follow-up. *Eur J Prosthodont Restor Dent* 2017; 25:26-34.
- de Maló P, de Araújo Nobre M, Gonçalves Y, Lopes A, Ferro A. Immediate Function of Anodically Oxidized Surface Implants (TiUnite™) for Fixed Prosthetic Rehabilitation: Retrospective Study with 10 Years of Follow-Up. *Biomed Res Int* 2016;2016:2061237. doi: 10.1155/2016/2061237.
- Garrana R, Mohangi G, Malo P, Nobre M. Leakage of Microbial Endotoxin through the Implant-Abutment Interface in Oral Implants: An In Vitro Study. *Biomed Res Int* 2016;2016:9219071. doi: 10.1155/2016/9219071.
- de Araújo Nobre M, Maló P, Gonçalves Y, Sabas A, Salvado F. Dental implants in diabetic patients: retrospective cohort study reporting on implant survival and risk indicators for excessive marginal bone loss at 5 years. *J Oral Rehabil* 2016;43:863-870. doi: 10.1111/joor.12435.
- Lopes A, Maló P, de Araújo Nobre M, Sánchez-Fernández E, Gravito I. The NobelGuide(®) All-on-4(®) Treatment Concept for Rehabilitation of Edentulous Jaws: A Retrospective Report on the 7-Years Clinical and 5-Years Radiographic Outcomes. *Clin Implant Dent Relat Res* 2016 Oct 18. doi: 10.1111/cid.12456. [Epub ahead of print]
- Nunes M, Almeida RF, Felino AC, Malo P, de Araújo Nobre M. The Influence of Crown-to-Implant Ratio on Short Implant Marginal Bone Loss. *Int J Oral Maxillofac Implants* 2016;31:1156-63. doi: 10.11607/jomi.4336.
- Queridinha BM, Almeida RF, Felino A, de Araújo Nobre M, Maló P. Partial Rehabilitation with Distally Tilted and Straight Implants in the Posterior Maxilla with Immediate Loading Protocol: A retrospective Cohort Study with 5-Year Follow-up. *Int J Oral Maxillofac Implants* 2016;31:891-9. doi: 10.11607/jomi.4324
- Neves J, de Araújo Nobre M, Oliveira P, Martins Dos Santos J, Malo P. Risk Factors for Implant Failure and Peri-Implant Pathology in Systemic Compromised Patients. *J Prosthodont* 2016 Jun 27. doi: 10.1111/jopr.12508. [Epub ahead of print]

- Nobre Mde A, Maló P, Gonçalves Y, Sabas A, Salvado F. Outcome of dental implants in diabetic patients with and without cardiovascular disease: A 5-year post-loading retrospective study. *Eur J Oral Implantol* 2016;9:87-95
- de Araújo Nobre M, Mano Azul A, Rocha E, Maló P, Salvado F. Attributable fractions, modifiable risk factors and risk stratification using a risk score for peri-implant pathology. *J Prosthodont Res* 2016 Mar 28. pii:S1883-1958(16)30003-2. doi: 10.1016/j.jpor.2016.03.004. [Epub ahead of print]
- Maló P, de Araújo Nobre M, Lopes A, Ferro A, Gravito I. Complete Edentulous Rehabilitation Using an Immediate Function Protocol and an Implant Design Featuring a Straight Body, Anodically Oxidized Surface, and Narrow Tip with Engaging Threads Extending to the Apex of the Implant: A 5-year Retrospective Clinical Study. *Int J Oral Maxillofac Implants* 2016;31:153-61. doi: 10.11607/jomi.4123.
- Maló P, de Araújo Nobre M, Lopes A. Three-Year Outcome of Fixed Partial Rehabilitations Supported by Implants Inserted with Flap or Flapless Surgical Techniques. *J Prosthodont* 2015 Nov 20. doi: 10.1111/jopr.12400. [Epub ahead of print]
- Maló P, de Araújo Nobre M, Lopes A, Queridinha B, Ferro A, Gravito I. Axial Implants in Immediate Function for Partial Rehabilitation in the Maxilla and Mandible: A Retrospective Clinical Study Evaluating the Long-term Outcome (Up to 10 Years). *Implant Dent*. 2015 Jul 14. Doi: 10.1097/ID.0000000000000299
- De Araújo Nobre M, Maló P, Gonçalves I. Evaluation of Clinical Soft Tissue Parameters for Extramaxillary Zygomatic Implants and Conventional Implants in All-on-4 Hybrid Rehabilitations: Short-Term Outcome and Proposal of Clinical Recommendations for Intervention in Recall Appointments. *Implant Dent* 2015;24:267-74. doi: 10.1097/ID.0000000000000253.
- de Araújo Nobre M, Mano Azul A, Rocha E, Maló P. Risk factors of peri-implant pathology. *Eur J Oral Scie* 2015; Apr 20. doi: 10.1111/eos.12185.
- Maló P, de Araújo Nobre M, Gonçalves Y, Lopes A. Long-Term Outcome of Implant Rehabilitations in Patients with Systemic Disorders and Smoking Habits: A Retrospective Clinical Study. *Clin Implant Dent Relat Res*. 2015 Apr 16. doi:10.1111/cid.12346.
- Maló P, de Araújo Nobre MA, Lopes AV, Rodrigues R. Immediate loading short implants inserted on low bone quantity for the rehabilitation of the edentulous maxilla using an All-on-4 design. *J Oral Rehabil*. 2015 Mar 10. Doi: 10.1111/joor.12291
- Maló P, de Araújo Nobre M, Lopes A, Ferro A, Gravito I. All-on-4® Treatment Concept for the Rehabilitation of the Completely Edentulous Mandible: A 7-Year Clinical and 5-Year Radiographic Retrospective Case Series with Risk Assessment for Implant Failure and Marginal Bone Level. *Clin Implant Dent Relat Res* 2014 Dec 23. doi: 10.1111/cid.12282. [Epub ahead of print]
- Maló P, de Araújo Nobre M, Lopes A, Ferro A, Gravito I. Single-Tooth Rehabilitations Supported by Dental Implants Used in an Immediate-Provisionalization Protocol: Report on Long-Term Outcome with Retrospective Follow-Up. *Clin Implant Dent Relat Res* 2014 Dec 23. doi: 10.1111/cid.12278. [Epub ahead of print]
- Maló P, Nobre Mde A, Lopes A, Ferro A, Gravito I. Immediate loading of implants placed in patients with untreated periodontal disease: A 5-year prospective cohort study. *Eur J Oral Implantol* 2014;7: 295-304.
- Maló P, Nobre Mde A, Lopes A, Ferro A, Moss S. Five-year outcome of a retrospective cohort study on the rehabilitation of completely edentulous atrophic maxillae with immediately loaded zygomatic implants placed extra-maxillary. *Eur J Oral Implantol* 2014;7: 267-81.
- Maló P, de Araújo Nobre M, Lopes A, Rodrigues R. Double full arch versus single arch, 4 implant supported rehabilitations: A retrospective, 5 year cohort study. *J Prosthodont* 2014 Oct 1. DOI: 10.1111/jopr.12228 [Epub ahead of print]
- De Araújo Nobre M, Maló P, Oliveira S. The influence of implant location and position characteristics on peri-implant pathology. *Eur J Prosthodont Restor Dent* 2014; 22: 125-129
- Lopes A, Maló P, de Araújo Nobre M, Sanchez-Fernández E. The Nobelguide® All-on-4® Treatment Concept for Rehabilitation of Edentulous Jaws: A Prospective Report on Medium- and Long-Term Outcomes. *Clin Implant Dent Relat Res* 2014 Sep 5. doi: 10.1111/cid.12260. [Epub ahead of print]
- De Araújo Nobre M, Maló P, Antunes E. Influence of systemic conditions on the incidence of periimplant pathology: a case-control study. *Implant Dent* 2014; 23:305-10. doi: 10.1097/ID.0000000000000071.
- De Araújo Nobre M, Maló P, Oliveira S. Associations of clinical characteristics and interval between maintenance visits with peri-implant pathology. *J Oral Sci* 2014; 56:143-50.
- Maló P, De Araújo Nobre M, Lopes A, Moss S. Posterior maxillary implants inserted with bicortical anchorage and placed in immediate function for partial or complete edentulous rehabilitations. A retrospective clinical study with a median follow-up of 7 years. *Oral Maxillofac Surg* 2014 Feb 28: doi 10.1007/s10006-014-0444-7 [Epub ahead of print]
- Maló P, de Sousa ST, De Araújo Nobre M, Moura Guedes C, Almeida R, Roma Torres A, Legatheaux J, Silva A. Individual Lithium Disilicate Crowns in a Full-Arch, Implant-Supported Rehabilitation: A Clinical Report. *J Prosthodont* 2014 Feb 4. doi: 10.1111/jopr.12137 [Epub ahead of print].
- de Araújo Nobre MA, Maló P. The Influence of Rehabilitation Characteristics in the Incidence of Peri-Implant Pathology: A Case-Control Study. *J Prosthodont* 2014 Jan 2. doi: 10.1111/jopr.12114. [Epub ahead of print].
- Maló P, Nobre Md, Lopes A. Immediate loading of 'All-on-4' maxillary prostheses using trans-sinus tilted implants without sinus bone grafting: a retrospective study reporting the 3-year outcome. *Eur J Oral Implantol* 2013;6: 273-283.



- Maló P, de Araújo Nobre M, Lopes A, Ferro A, Moss S. Extramaxillary Surgical Technique: Clinical Outcome of 352 Patients Rehabilitation with 747 Zygomatic Implants with a Follow-up between 6 Months and 7 years. *Clin Implant Dent Relat Res* 2013 Set 4. doi: 10.1111/cid.12147. [Epub ahead of print].
- Maló P, de Araújo Nobre M, Lopes A, Rodrigues R. Preliminary Report on the Outcome of Tilted Implants with Longer Lengths (20-25 mm) in Low-Density Bone: One-Year Follow-up of a Cohort Study. *Clin Implant Dent Relat Res* 2013 Set 4. doi: 10.1111/cid.12144. [Epub ahead of print].
- Maló P, de Araújo Nobre M, Lopes A. The prognosis of partial implant-supported fixed dental prostheses with cantilevers. A 5-year retrospective cohort study. *Eur J Oral Implantol* 2013;6: 51-59
- Maló P, Rigolizzo M, de Araújo Nobre M, Lopes A, Agliardi E. Clinical outcomes in the presence and absence of keratinized mucosa in mandibular guided implant surgeries: A pilot study with a proposal for the modification of the technique. *Quintessence Int* 2013; 44: 149-157
- Maló P, de Araújo Nobre M, Lopes A. Immediate Rehabilitation of Completely Edentulous Arches with a Four-Implant Prosthesis Concept in Difficult Conditions: An Open Cohort Study a Mean Follow-up of 2 years. *J Oral Maxillofac Imp* 2012; 5: 1177-1190.
- Maló P, de Araújo Nobre M, Lopes A, Francischone C, Rigolizzo M. Three-year outcome of a retrospective cohort study on the rehabilitation of completely edentulous atrophic maxillae with immediately loaded extra-maxillary zygomatic implants. *Eur J Oral Implantol* 2012; 5: 37-46.
- Maló P, de Araújo Nobre M, Lopes A, Gravito I, Ferro AS. Bimaxillary fixed total rehabilitation supported by implants following ablation of the maxilla using the All-on-4 Extra-Maxilla concept. *Hong Kong Dent J* 2011; 8: 91-96.
- Maló P, de Araújo Nobre M, Borges J, Almeida R. (2012). Retrievable Metal Ceramic Implant-Supported Fixed Prostheses with Milled Titanium Frameworks and All-Ceramic Crowns: Retrospective Clinical Study with up to 10 Years of Follow-up. *J Prosthodont* 2012;21:256-264. [Epub 2012 Feb 19].
- Malo P, Nobre M, Lopes A. The rehabilitation of completely edentulous maxillae with different degrees of resorption with four or more immediately loaded implants: a 5-year retrospective study and a new classification. *Eur J Oral Implantol* 2011; 4: 227-243.
- Malo P, Nobre M, Lopes A, Francischone C, Rigolizzo M. "All-on-4" Immediate-Function Concept for Completely Edentulous Maxillae: A Clinical Report on the Medium (3 Years) and Long-Term (5 Years) Outcomes. *Clin Implant Dent Relat Res* 2012;14 SUPPL1:E139-150. [Epub 2011 Oct 18].
- Maló P, de Araújo Nobre M. Partial Rehabilitation of the Posterior Edentulous Maxilla Using Axial and Tilted Implants in Immediate Function to Avoid Bone Grafting. *Compend Contin Educ Dent* 2011; 32: 60.
- Maló P, de Araújo Nobre M, Lopes A. Short implants in posterior jaws. A prospective 1-year study. *Eur J Oral Implantol* 2011; 4: 47-53.
- Maló P, de Araújo Nobre M, Lopes A, Moss S, Molina G. A longitudinal Study of the survival of All-on-4 implants in the mandible with up to 10 years of follow-up. *J Am Dent Assoc* 2011; 142: 310-320.
- Agliardi E, Panigatti S, Clericó M, Villa C, Maló P. Immediate rehabilitation of the edentulous jaw with full fixed prostheses supported by four implants: interim results of a single cohort prospective study. *Clin Oral Implants Res* 2010; 21:459-465.
- Maló P, de Araújo Nobre M. Implants (3.3 mm Diameter) for the Rehabilitation of Edentulous Posterior Regions: A Retrospective Clinical Study with Up to 11 Years of Follow-Up. *Clin Implant Dent Relat Res* 2011;13:95-103. [Epub 2009 Aug 3]
- Maló P, de Araújo Nobre M. A new approach for maxilla reconstruction. *Eur J Oral Implantol* 2009; 2:101-114.
- De Araújo Nobre M, Carvalho R, Maló P. Non surgical treatment of peri-implant pockets: An exploratory study comparing 0.2% chlorhexidine and 0.8% hyaluronic acid. *Can J Dent Hygiene* 2009; 43:25-30.
- Maló P, de Araújo Nobre M. Flap vs. flapless surgical techniques at immediate implant function in predominantly soft bone for rehabilitation of partial edentulism: a prospective cohort study with a follow-up of 1 year. *Eur J Oral Implantol* 2008; 1:293-304.
- Maló P, de Araújo Nobre M, Lopes I. A new approach to rehabilitate the severely atrophic maxilla using extramaxillary anchored implants in immediate function: a pilot study. *J Prosthet Dent* 2008;100: 354-366.
- Bedrossian E, Sullivan RM, Fortin Y, Maló P, Indresano T. Fixed-prosthetic implant restoration of the edentulous maxilla: a systematic pretreatment evaluation method. *J Oral Maxillofac Surg* 2008; 66:112-122.
- Maló P, de Araújo Nobre M, Rangert B. Implants placed in immediate function in periodontally compromised sites: a five-year retrospective and one-year prospective study. *J Prosthet Dent* 2007;97:S86-S95.
- Maló P, de Araújo Nobre M, Lopes A. The use of computer-guided flapless implant surgery and four implants placed in immediate function to support a fixed denture: preliminary results after a mean follow-up period of thirteen months. *J Prosthet Dent* 2007; 97:S26-S34.
- Maló P, de Araújo Nobre M, Rangert B. Short implants placed one-stage in maxillae and mandibles: a retrospective clinical study with 1 to 9 years of follow-up. *Clin Implant Dent Relat Res* 2007;9:15-21.
- De Araújo Nobre M, Cintra N, Maló P. Peri-implant maintenance of immediate function implants: a pilot study comparing hyaluronic acid and chlorhexidine. *Int J Dent Hyg.* 2007; 5:87-94

- Maló P, Nobre Mde A, Petersson U, Wigren S. A pilot study of complete edentulous rehabilitation with immediate function using a new implant design: case series. *Clin Implant Dent Relat Res* 2006; 8:223-232.
- Maló P, Rangert B, de Araújo Nobre M. The All-on-4 Concept for edentulous jaws. *Quintessence Dental Implantology* 2006; 13; 25-37.
- De Araújo Nobre M, Capelas C, Alves A, Almeida T, Carvalho R, Antunes E, Oliveira D, Cardador A, Maló P. Non-surgical treatment of peri-implant pathology. *Int J Dent Hyg* 2006; 4:84-90.
- Maló P, Rangert B, Nobre M. All-on-4 Immediate-Function Concept with Brånemark System® Implants for Completely Edentulous Maxillae: A 1-Year Retrospective Clinical Study. *Clin Implant Dent Relat Res* 2005; 7: S88-S94.
- Maló P, Rangert B, Nobre M. Mise en fonction immédiate d'implants Brånemark® pour la restauration d'édentements unitaires et de faible étendue maxillaires et mandibulaires. Étude clinique rétrospective de 6 mois à 8 ans. *Implant* 2005; 11:23-32.
- Lang B, Maló P, Guedes CM, Wang R-F, Kang B, Lang LA, Razzoog ME. Procera® AllCeram Bridge. *Appl Osseointegration Res* 2004; 4:13-21.
- Maló P, Friberg B, Polizzi G, Gualini F, Vighagen T, Rangert B. Immediate and early function of Branemark system® implants placed in the Esthetic zone: A 1-year prospective clinical multicenter study. *Clin Implant Dent Relat Res* 2003; 5:S37-S46.
- Maló P, Rangert B, Nobre M. "All-on-4" Immediate function concept with Brånemark system implants for completely edentulous mandibles: a retrospective clinical study. *Clin Implant Dent Relat Res* 2003; 5: S2-S9.
- Maló P, Rangert B, Dvarsater L. Immediate function of Branemark implants in the Esthetic zone: A retrospective clinical study with 6 months to 4 years of follow-up. *Clin Implant Dent Relat Res* 2000; 2:138-146.

## Clinical Articles

- Quantius B, Ferro A, Maló P. All-on-4® bei reduziertem Knochenangebot im Oberkiefer. *Implantologie Journal*, April 2015.
- Lopes A, Maló P, Ferro A, Gravito I, Nunes M, Nobre M, Rodrigues A. Reabilitação de mandíbula edêntula por intermédio do conceito All-on-4® e NobelGuide®. *Saúde Oral*, November 2014.
- Lopes A, Bangola N, Ferro A, Santos T, Seabra B, de Araújo Nobre M, Maló P. Rehabilitation of the edentulous mandible through the All-on-4 MALO CLINIC Protocol with 3D technology. *Esthetic Dentistry (Russia)* 2014; 1-2:58-62.
- Maló P, Patrão A, Lopes A, Gravito I, Guimarães J, de Araújo Nobre M, Lima J. Reabilitação fixa bimaxilar com a técnica All-on-4™ - caso clínico. *Maxillaris*, September 2012.
- Lopes A, Gravito I, Seabra B, Santos Ferro A, de Araújo Nobre M, Maló P. L'Implantologia nella nostra era: dagli impianti a lama al concetto All-on-4. *Italian Dental Journal*, February 2012.
- Maló P, de Araújo Nobre M, Lopes A. An overview of the All-on-4™ implant philosophy. *Faculty Dental Journal* January 2012; 3: 20-27.
- Lopes A, Bangola N, Seabra B, de Araújo Nobre M, Maló P. Reabilitação da mandíbula edêntula por intermédio de quatro implantes em função imediata com tecnologia 3D. *Maxillaris*, November 2011; 40-48.
- Maló P, Teixeira de Melo F, Pereira Fernandes A. Riabilitazione com approccio multidisciplinare. Caso clinico. *Il Dentista Moderno* September 2010.
- Maló P. Leczenie implantoprotetyczne pacjentów z całkowitym bezzęciem – przypadek kliniczny. *Medical Tribune*, July 2010; 9:4-5.
- Maló P, de Araújo Nobre M, Lopes I, Bangola N, Borges J. The All-on-4 Implant Concept for Edentulous Jaw – Standard Procedure. *Twój Przegląd Stomatologiczny*, March 2010: 48-55.
- Maló P, Lopes A, Nunes J, de Araújo Nobre M. Utilizzo dell' intervento chirurgico implantare transgengivale guidato da computer per la riabilitazione protésica della mascella posteriore nel paziente edentulo. *Il Dentista Moderno*, September 2009.
- Maló P, Gravito I, de Araújo Nobre M, Ferro A, Lopes A. Reabilitação total fixa implantossuportada num paciente com ablação da maxila utilizando o conceito de reabilitação All-on-4 extra maxila. *Maxillaris*, July 2009.
- Maló P, de Araújo Nobre M. All-on-4 Implantološki koncept za bezube čeljusti. *Dental Tribune – Croatian & BiH Edition*, July 2009: 14-17.
- Maló P, de Araújo Nobre M. The "All-on-4" implant concept for edentulous jaws. *Implant Tribune*, November 2008.
- Maló P, Lopes I, de Araújo Nobre M. Riabilitazione bimascellare di un paziente totalmente edentulo affect da epidermolosi bollosa con la procedura All-on-4 – Un caso clinic. *Il Dentista Moderno*, September 2008.
- Maló P, Rangert B, de Araújo Nobre M. All-on-four im zahnlosen Unterkiefer. *Teamwork Interdisziplin J Proth Zahnheilkd*, March 2006.

## Book Chapters

- Maló P, Lopes I, De Araújo Nobre M. The All-on-4 Concept. In: Babbush CA, Hahn JA, Krauser JT, eds. *Dental Implants: The Art and Science*. Maryland Heights, USA: Saunders Elsevier, 2011: 435-447.
- Maló P, Borges J, De Araújo Nobre M, Lopes A, Lopes I. Le Concept All-on-4. In: Dada K, Daas M, eds. *Esthétique et implants pour l'edenté complet maxillaire*. Paris, France: Quintessence International, 2011: 228-249.
- Maló P, Lopes A, de Araújo Nobre M, Nunes J. Il Concetto di All-on-4. In: Nocini PF, De Santis D. *Nuove prospettive in implanto-protesi e in chirurgia rigenerativa*. Itália: Quintessence International, 2010: 101-123.
- Maló P, Lopes I, de Araújo Nobre M. Conceito All-on-4. In: Francischone CE, Neto AM, eds. *Bases clínicas e biológicas na implantologia*. São Paulo, Brazil; Editora Santos; 2009.
- Maló P, Lopes I, Costa R. Oral fixed rehabilitation of atrophic jaws. In: Francischone CE. *Osseointegration and multidisciplinary treatment*. São Paulo, Brazil; Quintessence Editora Ltda; 2008.
- Rangert B, Aparicio C, Malevez C, Bedrossian E, Renouard F, Maló P, Calandriello R. Graft-less rehabilitation of the Atrophied Maxilla - Tilted Implants, Short Implants and Immediate Function. In: Jensen, Ole T. *The Sinus Bone Graft*. Denver, Colorado, USA: Editorial Quintessence, S.L. 2005: 296-320.
- Maló P. Carga inmediata en pacientes con maxilar superior totalmente edéntulo. In: Jimenez-López V, Bejarano SD, González RF, Alonso JMN. *Carga o Función Inmediata en Implantología. Aspectos quirúrgicos, protéticos, oclusales y de laboratorio*. Barcelona, España: Editorial Quintessence, S.L., 2004: 22, 23, 187-221.
- Chiapasco M, Gatti C, Gottlow J, Lundgren A, Maló P, Meredith N, Polizzi G, Sennerby L. Osteointegrazione e carico immediato. *Fondamenti biologici e applicazioni cliniche*. Milano, Itália: Masson, Spa, 2002: 60-102.