

## ALL-ON-4® SURGICAL PROTOCOL CLINICAL COURSE A CLOSER VIEW OF PROSTHETIC AND LABORATORY STEPS MALO CLINIC REHABILITATION PROTOCOL FOR EDENTULISM

Presented by Armando Lopes, DDS, MSc, PhD, Filipe Melo, DDS and the MALO CLINIC Clinical Team



### COURSE OVERVIEW

- Re-thinking Oral Rehabilitation
- Live All-on-4® protocol surgeries (maxilla and/or mandible)
- Surgical and prosthetic considerations of the All-on-4
- Patient selection & Treatment planning with a Team Approach
- The esthetic possibilities of the All-on-4® surgical protocol - Prosthetic Rehabilitation
- Clinical correlation of laboratory procedures
- Laboratory procedures and perspectives
- Case Discussion
- Hands-on Session: Surgical Steps (Dentists)
- Hands-on Session: Prosthesis Conversion (Dentists & Lab Technicians)
- Live Demonstrations of Lab Procedure for Immediate Prosthesis Fabrication & Final Prosthesis - MALO CLINIC Acrylic Bridge (Technicians)

### PARTICIPANTS

Professionals experienced in implant dentistry, and Lab technicians

**Maximum Number of participants: 20 Dentists**

### AVAILABLE DATES

**NOVEMBER 27-28, 2020**

This is a reserved course for Nobel Biocare Russia and simultaneous translation to Russian is available. For further information on availability and pricing please contact Nobel Biocare Russia – T&E Department. You may also contact us at [education@maloclinics.com](mailto:education@maloclinics.com) for further information

### PROGRAM DURATION

**2 Days**

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- 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.
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## ALL-ON-4® SURGICAL PROTOCOL CLINICAL COURSE A CLOSER VIEW OF PROSTHETIC AND LABORATORY STEPS

MALO CLINIC REHABILITATION PROTOCOL FOR EDENTULISM

**Re-program yourself!**

### SYNOPSIS

MALO CLINIC Education has created a course focusing on all the important aspects involved in the rehabilitation of the fully edentulous and those with a “terminal dentition”. Emphasis will be on Treatment Planning, Prosthetics and Lab Procedures, using a “step by step” approach.

During this 2-day course, you will learn all the clinical steps necessary to provide patients with a highly esthetic and functional immediate load, implant-supported provisional bridge, in addition to their final fixed prosthesis (after osteointegration period with minimum 6 months after surgery).

Day one includes live surgeries and an overall perspective of the concepts and treatment principles of All-on-4® enabling you to better identify patients suitable for this treatment modality and providing you a comfort level in establishing a treatment plan (even if you will not handle the surgical component). All the essential MALO CLINIC protocols as well as the coordination of prosthetic procedures and laboratory considerations will be highlighted.

On the second day, you will learn all the information and clinical steps needed for the completion of the final fixed prosthesis: the MALO CLINIC Bridge.

To enhance your understanding of All-on-4® (MALO CLINIC Protocol), this course also includes Surgical and Prosthetic Hands-on session (the last for both doctors and technicians), live demonstration for technicians and a multidisciplinary Clinical Case Discussion Session.

Hopefully when you get back to your office, you will be able to call back a few patients to offer them this new alternative.

### BASIC COURSE OUTLINE

**Lecturers:** Armando Lopes, DDS, MSc, PhD, Filipe Melo, DDS and the MALO CLINIC Clinical Team

#### DAY 1

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08:50 – 09:00	Welcome Desk / Introduction
09:00 – 10:30	Clinical Case Presentation  LIVE SURGERY: All-on-4® surgical protocol  Discussions, Questions & Answers
10:30 – 10:45	Coffee break
11:00 – 12:00	Clinical Case Presentation  LIVE SURGERY: All-on-4® surgical protocol  Discussions, Questions & Answers
12:00 – 12:30	The Science of Things
12:30 – 14:15	Lunch and Tour of the clinic

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- 14:15 – 15:45 All-on-4® Protocol – Concept Overview – Surgical Steps & Team View: Coordination and Impact for Prosthetic Steps
- 15:45 – 16:00 Coffee break
- 16:00 – 17:30 All-on-4® Protocol – Case Analyse, Treatment Planning & Provisional Prosthesis
- 17:30 – 18:30 Post-Surgical Care & Complication Management
- 18:30 – 18:45 Functional and Esthetic considerations: fitting of the Immediate Prosthesis (Live)

## DAY 2

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- 09:00 – 11:30 Final Rehabilitation of the Total Edentulous: MALO CLINIC Bridge  
The Prosthodontic Clinical Procedures from A to Z.
- 11:30 – 12:30 Clinical Cases Discussion – A Team Approach on Treatment Planning & Treatment Key Aspects
- 12:30 – 13:30 Lunch
- 13:30 – 15:00 All-on-4 Hands-on: Surgical Steps
- 15:00 – 15:15 Coffee break
- 15:15 – 17:00 All-on-4 Hands-on: Prosthetic Steps – Prosthesis Conversion
- 17:00 – 17:30 Q&A

## BASIC COURSE OUTLINE - TECHNICIANS

**Lecturers:** João Legatheaux & Antonio Silva

## DAY 1

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- 08:50 – 09:00 Welcome Desk / Introduction
- 09:00 – 10:30 Clinical Case Presentation  
LIVE SURGERY: All-on-4® surgical protocol  
Discussions, Questions & Answers
- 10:30 – 10:45 Coffee break
- 11:00 – 12:30 All-on-4® – The Lab Perspective – Immediate and MALO CLINIC Acrylic Bridge Fabrication
- 12:30 – 14:15 Lunch and Tour of the clinic
- 14:15 – 15:45 DEMONSTRATION: Fabrication of an Immediate Prosthesis
- 15:45 – 16:00 Coffee break
- 16:00 – 17:30 All-on-4® Protocol – Case Analyse, Treatment Planning & Provisional Prosthesis
- 17:30 – 18:30 Post-Surgical Care & Complication Management
- 18:30 – 18:45 Functional and Esthetic considerations: fitting of the Immediate Prosthesis (Live)

## DAY 2

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09:00 – 11:30	Final Rehabilitation of the Total Edentulous: MALO CLINIC Bridge The Prosthodontic Clinical Procedures from A to Z.
11:30 – 12:30	Clinical Cases Discussion – A Team Approach on Treatment Planning & Treatment Key Aspects
12:30 – 13:30	Lunch
13:30 – 15:00	DEMONSTRATION: Fabrication of an MALO CLINIC Acrylic Bridge
15:00 – 15:15	Coffee break
15:15 – 17:00	All-on-4 Hands-on: Prosthetic Steps – Prosthesis Conversion
17:00 – 17:30	Q&A

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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; João Botto, DDS; Joana Neves, DDS; Mariana Alves, DDS; Mariana Nunes, DDS; Miguel Gouveia, DDS; Miguel Nobre, DH, MSc; Pedro Cosme, DDS; Pedro Estêvão, DDS; Ricardo Almeida, DDS; Rodrigo Gonzalez, DDS; Sílvia Batista, DH; Tiago Estêvão, DDS; Tiago Caramelo, DDS.

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## 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]
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- 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.



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- 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
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- 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].
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- 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].
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- 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.
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## Clinical Articles

- Quantius B, Ferro A, Maló P. All-on-4® bei reduziertem Knochenangebot im Oberkiefer. *Implantologie Journal*, April 2015.
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