

## ALL-ON-4® SURGICAL PROTOCOL CLINICAL COURSE

MALO CLINIC REHABILITATION PROTOCOL FOR EDENTULISM

Presented by Prof. Paulo Malo and the MALO CLINIC Clinical Team



### COURSE OVERVIEW

- Re-thinking oral rehabilitation
- Patient selection and treatment planning
- Live All-on-4® protocol surgeries in the maxilla and/or mandible
- Placement of prosthesis
- The esthetic possibilities of the All-on-4® surgical protocol - Prosthetic Rehabilitation

### PARTICIPANTS

Professionals experienced in implant dentistry

Minimum Number of participants: 30 Dentists

Maximum Number of participants: 60 Dentists

### AVAILABLE DATES

MARCH 08-09, 2019 | NOVEMBER 08-09, 2019

For further information, please contact us at

[education@maloclinics.com](mailto:education@maloclinics.com)

### PROGRAM DURATION & COURSE FEE

2 Days | 1.650 Euros

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.

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## SYNOPSIS

The All-on-4® protocol is an innovative surgical procedure for the rehabilitation of edentulous jaws focusing entirely on the patient.

By taking advantage of the dense bone available in the anterior maxilla and between the mandibular foramina, this widely applicable surgical technique allows for the treatment of a significantly greater number of patients, while avoiding the need for complex, time consuming and often debilitating bone grafting procedures.

During 2 days Prof. Paulo Malo, the pioneer of the All-on-4® surgical protocol, and his clinical team will show you how the patient will have immediate function and excellent esthetics with a limited number of implants.

This course will teach you the skills and know-how to treat edentulous patients using the All-on-4® surgical protocol following the MALO CLINIC Rehabilitation Protocol, from patient selection to treatment planning, all the way through to the fitting of the prosthesis so you can offer immediate function to your patients.

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

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## BASIC COURSE OUTLINE

**Lecturers:** Prof. Paulo Malo 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
10:45 – 12:15	Clinical Case Presentation LIVE SURGERY: All-on-4® Surgical Protocol Discussions, Questions & Answers
12:15 – 14:30	Lunch and Tour of the clinic
14:30 – 16:30	Full-Arch Rehabilitation with Immediate Loading: All-on-4® Surgical Protocol - MALO CLINIC Protocol
16:30 – 16:45	Coffee break
16:45 – 17:45	Implant Maintenance & Long-Term Success – “Cleaning is not enough”
17:45 – 18:00	Functional and Esthetic considerations: fitting of the Immediate Prosthesis (Live)

## DAY 2

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09:00 – 10:30	Clinical case presentation  LIVE SURGERY: All-on-4® surgical protocol
10:30 – 11:00	Coffee break
11:00 – 12:30	Clinical case presentation  LIVE SURGERY: All-on-4® surgical protocol  Discussions, Questions & Answers
12:30 – 13:30	Lunch
13:30 – 14:30	All-on-4® Protocol - Clinical Complications
14:30 – 15:30	All-on-4® Protocol - Treatment Planning & Provisional Prosthesis
15:30 – 15:45	Coffee break
15:45 – 17:30	Final Rehabilitation of the Total Edentulous: MALO CLINIC Bridge
17:30 - 18:00	Functional and Esthetic considerations: fitting of the Immediate Prosthesis (Live)

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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: **Paulo Malo, DDS, PhD**; Abílio Fernandes, DDS; Ana Ferro, DDS; Ana Maria Machado, DDS; Ana Teresa Oliveira, DDS; André Costa, DDS; Andreia Rodrigues, DDS; Armando Lopes, DDS, MSc; Bruno Queridinha, DDS; Carina Madureira, DDS; Carlos Moura Guedes, DDS; Filipa Gonçalves, DDS; Filipa Roque, DDS; Inês Caldeira Fernandes, DDS, PhD; Inês Gravito, DDS; Inês Vaz, DDS, PhD; Inês Murteira, DDS; Joana Henriques, DDS; João Martins, DDS; João Moura, DDS; João Rangel, DDS; João Botto, DDS; Joana Neves, DDS; Luís Fernandes, DDS; Maria Kryvda, DDS; Mariana Alves, DDS; Mariana Nunes, DDS; Miguel Gouveia, DDS; Miguel Nobre, DH, MSc; Pedro Estêvão, DDS; Raquel Medeiros, DDS; Rita B. Ramos, DDS; Rodrigo Gonzalez, DDS; Sara Saldanha, DDS; Tiago Estêvão, DDS; Tiago Ramos, DDS; Tiago Caramelo, DDS; Vera Janeiro, DDS.

## List of Clinical Articles Published by the MALO CLINIC

### Scientific Publications in peer-review journals

- 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
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- 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/jopr.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]
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- 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.
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- 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].
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- 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].
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- 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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- 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.
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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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- 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.
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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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- 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.
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- 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.
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- 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 bimasellarte 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 Interdiszipl J Proth Zahnheilkd*, March 2006.

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