

Dr. Lorena KARANXHA MSc, PhD

Orthodontist

University of Milan

October 2019 – October 2022

Resident in orthodontics

Thesis: "Treatment of class III malocclusion with maxillary skeletal expander (MSE) and Facemask: the preliminary results of a retrospective study". 70/70

University of California Los Angeles

January 2019- September 2019

Fellowship in research and clinical training in the use of MSE (maxillary skeletal expander).
(Prof. W. Moon)

University of Milan

October 2016 – October 2019

PhD in oral sciences

Thesis: "Accuracy of splint vs splintless technique for virtually planned orthognatic surgery: a voxel based three-dimensional analysis".
(Prof. M. Del Fabbro, Prof. A.B Gianni)

Sapienza University of Rome

Dic. 2014 – Dic. 2015

Master in Clinical Orthodontics

Thesis: Mini-implants as temporary anchorage devices in orthodontics. 110/110 cum lode

Wongwang University, Seoul, Korea del Sud

April 2011- April 2012

Research associate in Tissue Engineering in Oral Sciences.
Clinical training in Orthodontics, Endodontics,
Fixed Prosthetics, Implantology

University of Tirana

Ott. 2005 - Ott. 2010

Degree in Dentistry

Registration with the Provincial Order of Surgeons and Dentists of Milan,
dated 11.13.2018 with number 5596

Training and work experience

Italian Society of Sleep Medicine for Dentistry
8° residential training for dental professionals

May 2023

Italian Institute of Dentistry, Milan
Intern in Ortodonzia

Febb. 2018 - September 2019

Italian Institute of Dentistry, Milan
Advanced clinical training on Damon system

25-26/03, 30 Nov-01 Dec 2018

University of Milan

Clinical training in
"Clinical orthodontics"
"Advanced clinical orthodontics"

March 2017 – Nov. 2017

Febb. 2017 – Febb. 2018

University of Milan

Advanced training course "Focus in Periodontology"
(Prof. L.Francetti)

03-04 Feb 2017

University of Milan

Advanced training course "Plastic and regenerative
surgery techniques in periodontology (Prof. G.Rasperini)

10-14 July 2017

Institute of Dental Studies, Florence

Annual specialization course
"Straight-Wire Technique Evolved Philosophy"

April 2015 – April 2016

Peer reviewed publications

Daniele Cantarella, Jae Hyun Park, Lorena Karanxha, Evangelista Giovanni Mancini, Massimo Del Fabbro, Alberto Caprioglio, Won Moon: "Maxillary skeletal expander with 6 miniscrews and tadlock: A case report". AJO-DO Clinical Companion, 2025.

Karanxha L, Rossi D, Hamanaka R, Gianni AB, Baj A, Moon W, Del Fabbro M, Romano M. Accuracy of splint vs splintless technique for virtually planned orthognathic surgery: A voxel-based three-dimensional analysis. J Craniomaxillofac Surg. 2021 Jan;49(1):1-8. doi: 10.1016/j.jcms.2020.11.008. Epub 2020 Nov 25. PMID: 33277160.

Cantarella D, Karanxha L, Zanata P, Moschik C, Torres A, Savio G, Del Fabbro M, Moon W. Digital Planning and Manufacturing of Maxillary Skeletal Expander for Patients with Thin Palatal Bone. Med Devices (Auckl). 2021 Oct 7;14:299-311. doi: 10.2147/MDER.S331127. PMID: 34675696; PMCID: PMC8504975.

Hamanaka R, Cantarella D, Lombardo L, Karanxha L, Del Fabbro M, Siciliani G, Yoshida N. Dual-section versus conventional archwire for en-masse retraction of anterior teeth with direct skeletal anchorage: a finite

- element analysis. *BMC Oral Health*. 2021 Feb 25;21(1):87. doi: 10.1186/s12903-021-01443-0. PMID: 33632190; PMCID: PMC7908704.
- Romano M, Karanxha L, Baj A, Gianni AB, Taschieri S, Del Fabbro M, Rossi D. Maxillomandibular advancement for the treatment of obstructive sleep apnoea syndrome: a long-term follow-up. *Br J Oral Maxillofac Surg*. 2020 Apr;58(3):319-323. doi: 10.1016/j.bjoms.2019.12.011. Epub 2020 Feb 27. PMID: 32115302.
- Rossi D, Romano M, Karanxha L, Baserga C, Russillo A, Taschieri S, Del Fabbro M, Gianni AB, Baj A. Bimaxillary orthognathic surgery with a conventional saw compared with the piezoelectric technique: a longitudinal clinical study. *Br J Oral Maxillofac Surg*. 2018 Oct;56(8):698-704. doi: 10.1016/j.bjoms.2018.07.011. Epub 2018 Jul 25. PMID: 30055854.
- Perrotti G, Karanxha L, Scaini R, Clauser T, Testori T, Francetti L, Del Fabbro M. A 3D evaluation of the upper airways and sagittal craniofacial pattern: are these two parameters associated? *J Biol Regul Homeost Agents*. 2021 Mar-Apr;35(2 Suppl. 1):131-138. doi: 10.23812/21-2suppl1-12. PMID: 34281309.
- Del Fabbro M, Karanxha L, Panda S, Bucchi C, Nadathur Doraiswamy J, Sankari M, Ramamoorthi S, Varghese S, Taschieri S. Autologous platelet concentrates for treating periodontal infrabony defects. *Cochrane Database of Systematic Reviews* 2018, Issue 11. Art. No.: CD011423. DOI: 10.1002/14651858.CD011423.pub2.
- Mozzati M, Gallesio G, Pol R, Cipollina A, Giacalone A, Mucciato N, Galli M, Karanxha L, Greco Lucchina A, Del Fabbro M. Implant site preparation using ultrasonic technique vs. Conventional drilling: three-year follow-up of a split-mouth study. *J Biol Regul Homeost Agents*. 2019 Nov-Dec;33(6 Suppl. 2):49-58. DENTAL SUPPLEMENT. PMID: 32425024.
- Zaffarano L, Salerno C, Campus G, Cirio S, Balian A, Karanxha L, Cagetti MG. Silver Diamine Fluoride (SDF) Efficacy in Arresting Cavitated Caries Lesions in Primary Molars: A Systematic Review and Metanalysis. *Int J Environ Res Public Health*. 2022 Oct 9;19(19):12917. doi: 10.3390/ijerph191912917. PMID: 36232217; PMCID: PMC9566773.
- Maddalone M, Citterio C, Pellegatta A, Gagliani M, Karanxha L, Del Fabbro M. Cone-beam computed tomography accuracy in pulp chamber size evaluation: An ex vivo study. *Aust Endod J*. 2020 Apr;46(1):88-93. doi: 10.1111/aej.12378. Epub 2019 Oct 16. PMID: 31617650.
- Panda S, Karanxha L, Goker F, Satpathy A, Taschieri S, Francetti L, Das AC, Kumar M, Panda S, Fabbro MD: Autologous Platelet Concentrates in Treatment of Furcation Defects-A Systematic Review and Meta-Analysis. *Int J Mol Sci*. 2019 Mar 17;20(6). doi: 10.3390/ijms20061347.
- Maddalone M, Mirabelli L, Venino PM, Karanxha L, Porcaro G, Del Fabbro M. Long-term stability of autologous bone graft of intraoral origin after lateral sinus floor elevation with simultaneous implant placement. *Clin Implant Dent Relat Res*. 2018 Oct;20(5):713-721. doi: 10.1111/cid.12649. Epub 2018 Aug 24.
- Taschieri S, Karanxha L, Francetti L, Weinstein R, Gianni AB, Del Fabbro M. Minimally-invasive osteotome sinus floor elevation combined with short implants and platelet-rich plasma for edentulous atrophic posterior maxilla: a five-year follow-up prospective study. *J Biol Regul Homeost Agents*. 2018 Jul-Aug;32(4):1015-1020.

Maddalone M, Gagliani M, Citterio CL, Karanxha L, Pellegatta A, Del Fabbro M. Prevalence of vertical root fractures in teeth planned for apical surgery. A retrospective cohort study. *Int Endod J*. 2018 Sep;51(9):969-974. doi: 10.1111/iej.12910. Epub 2018 Mar 26.

Re D, Del Fabbro M, Karanxha L, Augusti G, Augusti D, Fessi S, Taschieri S. Minimally-invasive dental anesthesia: Patients' preferences and analysis of the willingness-to-pay index. *J Investig Clin Dent*. 2018 Feb;9(1). doi: 10.1111/jicd.12275. Epub 2017 May 23.

Kim HJ, Karanxha L, Park SJ. Non-destructive management of white spot lesions by using tooth jewelry. *Restor Dent Endod*. 2012 Nov;37(4):236-9. doi: 10.5395/rde.2012.37.4.236. Epub 2012 Nov 21.

Karanxha L, Kim HJ, Hong SO, Lee W, Kim PS, Min KS. Endodontic management of a C-shaped maxillary first molar with three independent buccal root canals by using cone-beam computed tomography. *Restor Dent Endod*. 2012 Aug;37(3):175-9. doi: 10.5395/rde.2012.37.3.175. Epub 2012 Aug 29.

Karanxha L, Park SJ, Son WJ, Nör JE, Min KS. Combined effects of simvastatin and enamel matrix derivative on odontoblastic differentiation of human dental pulp cells. *J Endod*. 2013 Jan;39(1):76-82. doi: 10.1016/j.joen.2012.10.013. Epub 2012 Nov 10.