

Curriculum Vitae e attività scientifica del Proponente Responsabile Scientifico della Ricerca

Nome:

Roberto Di Lenarda

Istruzione e formazione:

1983: Diploma Liceo Classico (60/60) – Liceo Don Bosco, Pordenone

1988: Laurea in Odontoiatria e Protesi dentaria (110/110 e lode) – Università degli Studi di Trieste

2010: Specializzazione in Ortognatodonzia (50/50 e lode) - Università degli Studi di Brescia

Posizione ricoperta:

Professore ordinario MED 28

Direttore Dipartimento Universitario Clinico di Scienze Mediche, Chirurgiche e della Salute
Università degli Studi di Trieste

Direttore Clinica Odontoiatrica e Stomatologica Università degli Studi di Trieste

Vicedirettore DAI Chirurgie Specialistiche AOU "Ospedali Riuniti di Trieste"

Presidente del Collegio dei Docenti di Odontoiatria

Membro Senato Accademico Università degli Studi di Trieste

Componente Organo di Indirizzo dell'AOU "Ospedali Riuniti di Trieste"

Attività scientifica:

Vincitore di premi di studio e di ricerca

Titolare di progetti di ricerca ministeriali (PRIN, 2007 e 2009)

Coordinatore nazionale di progetto CCM (2010)

Membro del Collegio dei revisori per la valutazione dei programmi e dei prodotti di ricerca
MIUR (2013)

Relatore a congressi nazionali ed internazionali

Numero di pubblicazioni: 125

Numero di citazioni: 1780 in 1335 documenti

h-index: 21

Campi di ricerca:

materiali dentari, ortognatodonzia, patologia e medicina orale, oncologia, parodontologia ed implantologia

Lista delle pubblicazioni degli ultimi 5 anni:

1: Mazzone A, Tjäderhane L, Checchi V, Di Lenarda R, Salo T, Tay FR, Pashley DH, Breschi L. Role of Dentin MMPs in Caries Progression and Bond Stability. *J Dent Res*. 2015 Feb;94(2):241-51.

2: Stacchi C, Vercellotti T, Toschetti A, Speroni S, Salgarello S, Di Lenarda R. Intraoperative Complications during Sinus Floor Elevation Using Two Different Ultrasonic Approaches: A Two-Center, Randomized, Controlled Clinical Trial. *Clin Implant Dent Relat Res*. 2015 Jan;17 Suppl 1:e117-25.

- 3: Diolosà M, Donati I, Turco G, Cadenaro M, **Di Lenarda R**, Breschi L, Paoletti S. Use of methacrylate-modified chitosan to increase the durability of dentine bonding systems. *Biomacromolecules*. 2014 Dec 8;15(12):4606-13.
- 4: Rizzardi C, Torelli L, Schneider M, Giudici F, Zandona L, Biasotto M, **Di Lenarda R**, Melato M. MAD2 expression in oral squamous cell carcinoma and its relationship to tumor grade and proliferation. *Anticancer Res*. 2014 Dec;34(12):7021-7.
- 5: Chermetz M, Gobbo M, Ronfani L, Ottaviani G, Zanazzo GA, Verzegnassi F, Treister NS, **Di Lenarda R**, Biasotto M, Zacchigna S. Class IV laser therapy as treatment for chemotherapy-induced oral mucositis in onco-haematological paediatric patients: a prospective study. *Int J Paediatr Dent*. 2014 Nov;24(6):441-9.
- 6: Rupel K, Ottaviani G, Gobbo M, Contardo L, Tirelli G, Vescovi P, **Di Lenarda R**, Biasotto M. A systematic review of therapeutical approaches in bisphosphonates-related osteonecrosis of the jaw (BRONJ). *Oral Oncol*. 2014 Nov;50(11):1049-57. doi: 10.1016/j.oraloncology.2014.08.016. Epub 2014 Sep 17.
- 7: Perinetti G, Perillo L, Franchi L, **Di Lenarda R**, Contardo L. Maturation of the middle phalanx of the third finger and cervical vertebrae: a comparative and diagnostic agreement study. *Orthod Craniofac Res*. 2014 Nov;17(4):270-9. doi: 10.1111/ocr.12052.
- 8: Ottaviani G, Costantinides F, Perinetti G, Luzzati R, Contardo L, Visintini E, Tirelli G, **Di Lenarda R**, Gobbo M, Biasotto M. Epidemiology and variables involved in dental abscess: survey of dental emergency unit in Trieste. *Oral Dis*. 2014 Jul;20(5):499-504.
- 9: Gobbo M, Ottaviani G, Perinetti G, Ciriello F, Beorchia A, Giacca M, **Di Lenarda R**, Rupel K, Tirelli G, Zacchigna S, Biasotto M. Evaluation of nutritional status in head and neck radio-treated patients affected by oral mucositis: efficacy of class IV laser therapy. *Support Care Cancer*. 2014 Jul;22(7):1851-6. doi: 10.1007/s00520-014-2155-x.
- 10: Navarra CO, Reda B, Diolosà M, Casula I, **Di Lenarda R**, Breschi L, Cadenaro M. The effects of two 10% carbamide peroxide nightguard bleaching agents, with and without desensitizer, on enamel and sensitivity: an in vivo study. *Int J Dent Hyg*. 2014 May;12(2):115-20. doi: 10.1111/idh.12054. Epub 2013 Oct 9. PubMed PMID:24119064.
- 11: Marchesi G, Frassetto A, Mazzoni A, Apolonio F, Diolosà M, Cadenaro M, **Di Lenarda R**, Pashley DH, Tay F, Breschi L. Adhesive performance of a multi-mode adhesive system: 1-year in vitro study. *J Dent*. 2014 May;42(5):603-12.
- 12: Franceschetti G, Farina R, Stacchi C, **Di Lenarda R**, Di Raimondo R, Trombelli L. Radiographic outcomes of transcrestal sinus floor elevation performed with a minimally

invasive technique in smoker and non-smoker patients. *Clin Oral Implants Res.* 2014 Apr;25(4):493-9. doi: 10.1111/clr.12188. Epub 2013 May 8.

13: Mazzoni A, Apolonio FM, Saboia VP, Santi S, Angeloni V, Checchi V, Curci R, **Di Lenarda R**, Tay FR, Pashley DH, Breschi L. Carbodiimide inactivation of MMPs and effect on dentin bonding. *J Dent Res.* 2014 Mar;93(3):263-8. doi: 10.1177/0022034513516465. Epub 2013 Dec 11.

14: Clozza E, Pea M, Cavalli F, Moimas L, **Di Lenarda R**, Biasotto M. Healing of fresh extraction sockets filled with bioactive glass particles: histological findings in humans. *Clin Implant Dent Relat Res.* 2014 Feb;16(1):145-53. doi:10.1111/j.1708-8208.2012.00463.x. Epub 2012 Jun 12.

15: Ottaviani G, Gobbo M, Sturnega M, Martinelli V, Mano M, Zanconati F, Bussani R, Perinetti G, Long CS, **Di Lenarda R**, Giacca M, Biasotto M, Zacchigna S. Effect of class IV laser therapy on chemotherapy-induced oral mucositis: a clinical and experimental study. *Am J Pathol.* 2013 Dec;183(6):1747-57. doi:10.1016/j.ajpath.2013.09.003. Epub 2013 Oct 3.

16: Stacchi C, Chen ST, Raghoobar GM, Rosen D, Poggio CE, Ronda M, Bacchini M, **Di Lenarda R**. Malpositioned osseointegrated implants relocated with segmental osteotomies: a retrospective analysis of a multicenter case series with a 1- to 15-year follow-up. *Clin Implant Dent Relat Res.* 2013 Dec;15(6):836-46. doi:10.1111/j.1708-8208.2012.00444.x. Epub 2012 Feb 29.

17: Mazzoni A, Angeloni V, Apolonio FM, Scotti N, Tjäderhane L, Tezvergil-Mutluay A, **Di Lenarda R**, Tay FR, Pashley DH, Breschi L. Effect of carbodiimide (EDC) on the bond stability of etch-and-rinse adhesive systems. *Dent Mater.* 2013 Oct;29(10):1040-7. doi: 10.1016/j.dental.2013.07.010. Epub 2013 Aug 3

18: Perinetti G, Primožic J, Manfredini D, **Di Lenarda R**, Contardo L. The diagnostic potential of static body-sway recording in orthodontics: a systematic review. *Eur J Orthod.* 2013 Oct;35(5):696-705.

19: Perinetti G, **Di Lenarda R**, Contardo L. Diagnostic performance of combined canine and second molar maturity for identification of growth phase. *Prog Orthod.* 2013 May 20;14:1. doi: 10.1186/2196-1042-14-1.

20: Stacchi C, Vercellotti T, Torelli L, Furlan F, **Di Lenarda R**. Changes in implant stability using different site preparation techniques: twist drills versus piezosurgery. A single-blinded, randomized, controlled clinical trial. *Clin Implant Dent Relat Res.* 2013 Apr;15(2):188-97.

- 21: Marchesi G, Mazzone A, Turco G, Cadenaro M, Ferrari M, **Di Lenarda R**, Breschi L. Aging affects the adhesive interface of posts luted with self-adhesive cements: a 1-year study. *J Adhes Dent*. 2013 Apr;15(2):173-80.
- 22: De Iudicibus S, Stocco G, Castronovo G, Pico C, Racano R, Borelli M, Bevilacqua L, **Di Lenarda R**, Bartoli F, Decorti G. Effect of periodontal therapy on the course of cyclosporin-induced gingival overgrowth: role of ABCB1 and PAI-1 gene polymorphisms. *Quintessence Int*. 2013 Mar;44(3):249-60.
- 23: Marchesi G, Frassetto A, Visintini E, Diolosa M, Turco G, Salgarello S, **Di Lenarda R**, Cadenaro M, Breschi L. Influence of ageing on self-etch adhesives: one-step vs. two-step systems. *Eur J Oral Sci*. 2013 Feb;121(1):43-9.
- 24: Perinetti G, Di Leonardo B, **Di Lenarda R**, Contardo L. Repeatability of gingival crevicular fluid collection and quantification, as determined through its alkaline phosphatase activity: implications for diagnostic use. *J Periodontal Res*. 2013 Feb;48(1):98-104.
- 25: Perinetti G, Primožič J, Castaldo A, **Di Lenarda R**, Contardo L. Is gingival crevicular fluid volume sensitive to orthodontic tooth movement? A systematic review of split-mouth longitudinal studies. *Orthod Craniofac Res*. 2013 Feb;16(1):1-19.
- 26: Gobbo M, Ottaviani G, Rupel K, **Di Lenarda R**, Biasotto M. Rhabdomyosarcoma of the oral cavity in a 24-year-old male patient. *Ann Stomatol (Roma)*. 2013 Oct 24;4(Suppl 2):22. eCollection 2013. PubMed PMID: 24353786;
- 27: Gobbo M, Ottaviani G, Rupel K, **Di Lenarda R**, Biasotto M. Unusual solid tumors metastasis to the oral cavity. *Ann Stomatol (Roma)*. 2013 Oct 24;4(Suppl 2):21. eCollection 2013. PubMed PMID: 24353784;
- 28: Costantinides F, Vidoni G, Bodin C, **Di Lenarda R**. Eagle's syndrome: signs and symptoms. *Cranio*. 2013 Jan;31(1):56-60. Review.
- 29: Mazzone A, Scaffa P, Carrilho M, Tjäderhane L, **Di Lenarda R**, Polimeni A, Tezvergil-Mutluay A, Tay FR, Pashley DH, Breschi L. Effects of etch-and-rinse and self-etch adhesives on dentin MMP-2 and MMP-9. *J Dent Res*. 2013 Jan;92(1):82-6. doi: 10.1177/0022034512467034. Epub 2012 Nov 5.
- 30: Dalessandri D, Migliorati M, Rubiano R, Visconti L, Contardo L, **Di Lenarda R**, Martin C. Reliability of a novel CBCT-based 3D classification system for maxillary canine impactions in orthodontics: the KPG index. *ScientificWorldJournal*. 2013 Oct 9;2013:921234. doi: 10.1155/2013/921234. eCollection 2013.

31: Frassetto A, Navarra CO, Marchesi G, Turco G, **Di Lenarda R**, Breschi L, Ferracane JL, Cadenaro M. Kinetics of polymerization and contraction stress development in self-adhesive resin cements. *Dent Mater*. 2012 Sep;28(9):1032-9.

32: Navarra CO, Breschi L, Turco G, Diolosà M, Fontanive L, Manzoli L, **Di Lenarda R**, Cadenaro M. Degree of conversion of two-step etch-and-rinse adhesives: In situ micro-Raman analysis. *J Dent*. 2012 Sep;40(9):711-7.

33: Gobbo M, Ottaviani G, Mustacchi G, **Di Lenarda R**, Biasotto M. Acneiform rash due to epidermal growth factor receptor inhibitors: high-level laser therapy as an innovative approach. *Lasers Med Sci*. 2012 Sep;27(5):1085-90.

34: Perinetti G, Contardo L, Gabrieli P, Baccetti T, **Di Lenarda R**. Diagnostic performance of dental maturity for identification of skeletal maturation phase. *Eur J Orthod*. 2012 Aug;34(4):487-92. doi: 10.1093/ejo/cjr027. Epub 2011 Feb 23

35: Stacchi C, Bonino M, **Di Lenarda R**. Surgical relocation of a malpositioned, unserviceable implant protruding into the maxillary sinus cavity. A clinical report. *J Oral Implantol*. 2012 Aug;38(4):417-23.

36: Clozza E, Biasotto M, Cavalli F, Moimas L, **Di Lenarda R**. Three-dimensional evaluation of bone changes following ridge preservation procedures. *Int J Oral Maxillofac Implants*. 2012 Jul-Aug;27(4):770-5

37: Marchesi G, Petris LC, Navarra CO, Locatelli R, **Di Lenarda R**, Breschi L, Cadenaro M. Effect of ozone application on the immediate shear bond strength and microleakage of dental sealants. *Pediatr Dent*. 2012 Jul-Aug;34(4):284-8.

38: Biasotto M, Perinetti G, Serroni I, Ottaviani G, **Di Lenarda R**, Tirelli G. Oral manifestation upon short time cocaine abuse. A case report. *Minerva Stomatol*. 2012 Jun;61(6):295-8. English, Spanish

39: Mazzoni A, Nascimento FD, Carrilho M, Tersariol I, Papa V, Tjäderhane L, **Di Lenarda R**, Tay FR, Pashley DH, Breschi L. MMP activity in the hybrid layer detected with in situ zymography. *J Dent Res*. 2012 May;91(5):467-72. doi:10.1177/0022034512439210. Epub 2012 Feb 21.

40: Contardo L, Perinetti G, Ceschi M, Vidoni G, Antonioli F, Castaldo A, **Di Lenarda R**. Effects of deflection and archwire dimension on the mechanical performance of two self-

ligating orthodontic systems. *Prog Orthod.* 2012 May;13(1):2-9. doi: 10.1016/j.pio.2011.02.003.

41: Bevilacqua L, Eriani J, Serroni I, Liani G, Borelli V, Castronovo G, **Di Lenarda R**. Effectiveness of adjunctive subgingival administration of amino acids and sodium hyaluronate gel on clinical and immunological parameters in the treatment of chronic periodontitis. *Ann Stomatol (Roma)*. 2012 Apr;3(2):75-81. Epub 2012 Aug 9.

42: Perinetti G, Contardo L, Ceschi M, Antonioli F, Franchi L, Baccetti T, **Di Lenarda R**. Surface corrosion and fracture resistance of two nickel-titanium-based archwires induced by fluoride, pH, and thermocycling. An in vitro comparative study. *Eur J Orthod.* 2012 Feb;34(1):1-9. doi: 10.1093/ejo/cjq093. Epub 2010 Nov 1

43: Cova A, Breschi L, Nato F, Ruggeri A Jr, Carrilho M, Tjäderhane L, Prati C, **Di Lenarda R**, Tay FR, Pashley DH, Mazzoni A. Effect of UVA-activated riboflavin on dentin bonding. *J Dent Res.* 2011 Dec;90(12):1439-45. doi:10.1177/0022034511423397. Epub 2011 Sep 22.

44: Perinetti G, Türp JC, Primožič J, **Di Lenarda R**, Contardo L. Associations between the masticatory system and muscle activity of other body districts. A meta-analysis of surface electromyography studies. *J Electromyogr Kinesiol.* 2011 Dec;21(6):877-84.

45: Perinetti G, Baccetti T, Di Leonardo B, **Di Lenarda R**, Contardo L. Dentition phase and chronological age in relation to gingival crevicular fluid alkaline phosphatase activity in growing subjects. *Prog Orthod.* 2011 Nov;12(2):100-6.

46: Orsini G, Stacchi C, Visintini E, Di Iorio D, Putignano A, Breschi L, **Di Lenarda R**. Clinical and histologic evaluation of fresh frozen human bone grafts for horizontal reconstruction of maxillary alveolar ridges. *Int J Periodontics Restorative Dent.* 2011 Sep-Oct;31(5):535-44

47: Mazzoni A, Carrilho M, Papa V, Tjäderhane L, Gobbi P, Nucci C, **Di Lenarda R**, Mazzotti G, Tay FR, Pashley DH, Breschi L. MMP-2 assay within the hybrid layer created by a two-step etch-and-rinse adhesive: biochemical and immunohistochemical analysis. *J Dent.* 2011 Jul;39(7):470-7.

48: Cadenaro M, Codan B, Navarra CO, Marchesi G, Turco G, **Di Lenarda R**, Breschi L. Contraction stress, elastic modulus, and degree of conversion of three flowable composites. *Eur J Oral Sci.* 2011 Jun;119(3):241-5.

49: Rizzardi C, Torelli L, Barresi E, Schneider M, Canzonieri V, Biasotto M, **Di Lenarda R**, Melato M. BUBR1 expression in oral squamous cell carcinoma and its relationship to

tumor stage and survival. *Head Neck*. 2011 May;33(5):727-33. doi: 10.1002/hed.21532. Epub 2010 Nov 10.

50: Perinetti G, Baccetti T, Contardo L, **Di Lenarda R**. Gingival crevicular fluid alkaline phosphatase activity as a non-invasive biomarker of skeletal maturation. *Orthod Craniofac Res*. 2011 Feb;14(1):44-50.

51: Bacci C, Maglione M, Favero L, Perini A, **Di Lenarda R**, Berengo M, Zanon E. Management of dental extraction in patients undergoing anticoagulant treatment. Results from a large, multicentre, prospective, case-control study. *Thromb Haemost*. 2010 Nov;104(5):972-5.

52: Marchesi G, Breschi L, Antonioli F, **Di Lenarda R**, Ferracane J, Cadenaro M. Contraction stress of low-shrinkage composite materials assessed with different testing systems. *Dent Mater*. 2010 Oct;26(10):947-53.

53: Taschner M, Nato F, Mazzoni A, Frankenberger R, Krämer N, **Di Lenarda R**, Petschelt A, Breschi L. Role of preliminary etching for one-step self-etch adhesives. *Eur J Oral Sci*. 2010 Oct;118(5):517-24.

54: Pilloni A, Pizzo G, Barlattani A, **Di Lenarda R**, Giannoni M, Guida L, Levrini L, Majorana A, Polimeni A. Perceived and measurable performance of daily brushing and rinsing with an essential oil mouthrinse. *Ann Stomatol (Roma)*. 2010 Jul;1(3-4):29-32. Epub 2011 Feb 13.

55: Marchesi G, Navarra CO, Cadenaro M, Carrilho MR, Codan B, Sergio V, **Di Lenarda R**, Breschi L. The effect of ageing on the elastic modulus and degree of conversion of two multistep adhesive systems. *Eur J Oral Sci*. 2010 Jun;118(3):304-10.

56: Biasotto M, Chiandussi S, Zacchigna S, Moimas S, Dore F, Pozzato G, Cavalli F, Zanconati F, Contardo L, Giacca M, **Di Lenarda R**. A novel animal model to study non-spontaneous bisphosphonates osteonecrosis of jaw. *J Oral Pathol Med*. 2010 May;39(5):390-6. doi: 10.1111/j.1600-0714.2009.00878.x.

57: Borelli V, Marchioli A, Di Taranto R, Romano M, Chiandussi S, **Di Lenarda R**, Biasotto M, Zabucchi G. Neuropeptides in saliva of subjects with burning mouth syndrome: a pilot study. *Oral Dis*. 2010 May;16(4):365-74. doi:10.1111/j.1601-0825.2009.01648.x. Epub 2010 Mar 9.

58: Cadenaro M, Navarra CO, Mazzoni A, Nucci C, Matis BA, **Di Lenarda R**, Breschi L. An in vivo study of the effect of a 38 percent hydrogen peroxide in-office whitening agent on enamel. *J Am Dent Assoc*. 2010 Apr;141(4):449-54.

59: Castellarin P, Pozzato G, Tirelli G, **Di Lenarda R**, Biasotto M. Oral lesions and lymphoproliferative disorders. *J Oncol.* 2010;2010. pii: 202305. doi:10.1155/2010/202305. Epub 2010 Sep 1.