

CURRICULUM VITAE

Prof. Dr. Marco Ferrari, MD, DMD, Ph D

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Marco Ferrari MD, DMD, PhD

Personal information

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Born:

Dr. Marco Ferrari, born in 1959, graduated at School of Medicine and Surgery of University of Pisa in July 1983 with maximum score and he took his General Dentistry degree in 1987 at University of Siena with laude.

He received the First Italian Award for the best Post-Graduate in General Dentistry Thesis 1987 and the Award of "New Writer Contest" of Journal of Prosthodontics 1989.

Between 1987-88 he attended the Post-Graduate Program in Prosthodontics at Tufts University in Boston.

After being back to Italy he started to teach at School of Dental Medicine of University of Siena as contract professor (1990).

In 1995 he took his Ph D degree at University of Amsterdam, defending a thesis on 'Bonding to dental structures' with Prof. Carel L. Davidson as promoter and mentor.

From 1992, he was enrolled in the Faculty of the School of Dental Medicine at Tufts University in Boston, in the Restorative Dentistry and Prosthodontics Department and was appointed progressively from Clinical Instructor to Assistant Clinical Professor, Associate Clinical Professor and finally Research Professor during the academic year 1999-2000.

From 1997-1998 to 1999-2000 he was teaching Dental Materials at School of Dental Medicine of Siena University as Part-time Professor.

During October 2000, after winning a national application, he was appointed Associate Professor at School of Dental Medicine, of University of Siena.

In June 2001 Prof. Ferrari proposed and implemented the Ph D program in 'Dental Materials and their clinical applications' at University of Siena.

In June 2002, he was winner of national application of limited number of full-professor positions and starting the academic year 2003 he was appointed full professor at University of Siena, School of Dental Medicine.

In July 2003 Prof. Ferrari was appointed Dean of School of Dental Medicine of University of Siena, and he was renewed several times and his appointment was renewed till the end of the academic year 2021-22. In the last 15 years, as Dean, he put together reaserch, clinical activities and teaching to create a multidisciplinary academic dental center where the focus is dedicated to the students and patients simoultaneously.

In October 2003 he was appointed Vice Rector of International Relations of University of Siena.

In May 2005, he was also appointed Director of School of Ph D in 'Biotechnologies'.

In July 2010 was appointed as Chair of Dental Clinic of Le Scotte Hospital, Siena (2010-2013), hospital organization that takes care of dental patient associated to the School of Dental Medicine of Siena University. The mission of the Hospital is to

provide dental care to the population leaving in and around Siena (south of Tuscany region).

He is an official evaluator of Italian Research in Dentistry Committee of The Italian Minister of Education (2008-present).

He is President of National Conference of Schools of Dental Medicine (2010-present), the organization that collect all Italian Deans of Schools of Dentistry.

He is member of the National Agency for Evaluating Research of Italian Minister of Education (2011-present).

He was the founder and now is Coordinator of Tuscan School of Dental Medicine, merged School between Florence and Siena Schools of Dental Medicine (2010-present).

He was Director of Department of Medical Biotechnology of University of Siena (2012-2013) the new organization that took over of a wide part of the Medical School of University of Siena.

He has always looked for at internationalization of the School of Dental Medicine and of his research group.

The Ph D program in 'Dental Biotechnologies' of University of Siena established official cooperation agreements with other 18 Universities (S. Paulo, S. Paulo-Bauru, Granada, Complutense-Madrid, Valencia, Saragoza-Huesca, Universidad International de Cataluna, Universidad Europea de Madrid, Jerusalem and Tel Aviv, Berlin and Munich, Zagreb, Tufts University-Boston, Rochester University-Eastman Centre, Rengensburg, Paris VII, Masai-Tokyo University and Asahi-Tokyo University and

Marseilles University) creating an unique 'dental scientific network'.

All activities of the **Ph D program** are in English, very often foreign professors are coming for making class and exams to the Ph students and, for getting the Ph D, each student has to write as first author at least 2-3 papers and as co-author e other papers in impact factor journal in 3-4 years (<https://sites.google.com/a/dbm.unisi.it/biotecnologie-odontostomatologiche/>).

He was promoter of 42 Ph D thesis from 2004 to now.

More 50% of his Ph D students (23 students), after being graduated, are now professors (at full or associate or assistant professor level) in international and national Universities and several of them have high level appointments (such as a Dean in Spain and two Associate Dean for Research in USA).

Prof. Ferrari received several international appointments and recognitions:

Research Professor, Department of Restorative Dentistry and Fixed Prosthodontics, **Tufts University**, Boston.

Adjunct Professor, Department of Fixed Prosthodontics, **University of Rochester** (2008-present)

Visiting Professor, **Xi'an University**, Department of Prosthodontics, China (2007-present).

Visiting Professor, **Belgrade University** (2008-present).

Full Professor, **Leeds University**, UK (2015-present)

Prof. Ferrari was member of the Board of **Accademia di Conservativa**, and of **Società di Odontoiatria Conservatrice**, he was board member (2003-4) Secretary (2005-6), Vice-President (2007-8) and then President of **Academy of Dental Materials** (2009-10) and Member of the board, **President of**

European Federation of Conservative Dentistry (2004-5) and then Past-President.

He was also board member (2008-present) and **President of IADR Central Europe Division (2012-14)**.

He is now President elect of Dental Material Group of IADR (2021-22) and of European Prosthodontic Association (2021-22).

He is in the editorial board of some international dental journals with impact factor (such as International Journal of Prosthodontics, Journal of Adhesive Dentistry, American Journal of Dentistry, Dental Materials, Journal of Dental Research, Journal of Dentistry, Journal of Endodontics, referee of 10 additional international journals.) and he acts as referee of other 10 peer-reviewed impact factor dental journals.

It is also Scientific Editor of International Dentistry South Africa.

He is author of around 400 international publications (4/5 on dental journals with impact factor), and other 290 national publications and of 190 abstracts presented in international and national congress.

His School of Dental Medicine has the highest impact factor of Italian Schools of Dental Medicine, and among the best 5 of Europe.

Now is also the President and Coordinator (Dean) of the Undergraduate course in Dentistry in english language at University of Siena and Chair of the Master Program in Prosthodontics Sciences at University of Siena.

In February 2019 was nominated in the Supreme Court of Health by the Italian Minister of Health.

See Google scholar profile at:

<http://scholar.google.it/citations?hl=it&user=wjwnBLOAAAAJ>

	All	From 2014
Citations	34187	15822
Index H	96	58
i10-index	495	359

In his carrier worked with many Dental companies such as: 3MESPE, Ivoclar-Vivadent, GC Co, Tokuyama, Dentsply, Kerr, Vita,Voco, Bisco, Shofu, Kavo, RTD, NobelBiocare, Straumann, Biosafin, Astra Tech, Dentsply Implants, Thommen Implants, Geislich, in different areas of research such as Bonding, resin composites, fiber posts, zirconia, implants.

He actively participates in lab and clinical research field mainly oriented to clinical trials on implants, restorative and prosthodontics with particular attention to the workflow of digital dentistry.

Dr. Ferrari has lectured extensively within Europe and internationally. Dr. Ferrari was invited in all continents and he

presented in prestigious Congress, Conference, Symposia and Courses such as Academy of Prosthodontics, Academy of Dental Materials, Academy of Operative Dentistry, Yankee Congress, International Academy of Dental Research, European Federation of Conservative Dentistry, FDI, Association Dental Francoise, Dubai Dental Congress, Academy of Adhesive Dentistry, College of Prosthodontics, European Federation of Endodontics, Italian Academy of Prosthodontics, Italian Academy of Conservative Dentistry, Spanish Restorative Dentistry Society, Italian Society of Restorative Dentistry, Italian Society of Osteointegration, Italian Society of Endodontics, Astra Tech World Congress, etc.

PUBLICATIONS

Book and Book Chapters

- 1) Cagidiaco MC, **Ferrari M**. Bonding to dentin: mechanism, morphology and efficacy of bonding resin composites to dentin in vitro and in vivo. Ph D Thesis, Academic Center for Dentistry, Amsterdam, Ed. De Batte, Livorno, 1995.
- 2) **Ferrari M**. Handling of resin composite in anterior teeth. In: G Dondi, C Prati: Factors influencing the quality of composite restorations; Theory and practice. Cavex Co., Bologna, 1996.
- 3) **Ferrari M**, Mason PN. Resin bonded retainers-The evaluation of the concept. In: Degrange M, Roulet JF, Minimally invasive restorations with bonding. Quintessence Co., Inc, Berlin, 1997.

- 4) **Ferrari M.** Utilization as bonding, lining and base under clinical conditions. In: Davidson CL, Mjor I: *Glass Ionomer Cements*. Quintessence Publishing Ltd, Berlin, 1999.
- 5) **Ferrari M.** Sealing ability of last generation of adhesive-restorative materials placed on vital teeth. Proceedings of Conference on: "Critical reviews of restorative quandaries", Academy of Dental Materials, Banff, Canada, 1998
- 6) Bertelli E, **Ferrari M.** *Clinical Alternative in Restorative Dentistry*. M & I Stampa, Milano, Italy, 2001.
- 7) **Ferrari M,** Scotti R. *Fiber posts: clinical and laboratory evaluations*. Masson Ed., Milano 2002.
- 8) Bertelli E, **Ferrari M.** *Minimal Invasive Techniques: a new clinical approach*. M & I Stampa, Milano, 2002.
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- 10) **Ferrari M,** Radovic I. *Cementation of fiber reinforced composite posts*. *Restorative Dentistry Manual*. University of Belgrad. 2012
- 11) *Glasfaserstifte in der klinischen Anwendung; Lateral condensation mit Kunststoffstift*. In M.A. Baumann: *Endodonologie*. Georg Thieme Verlag, Stuttgart. 20

Awards

He received the 1st Oscar Hoffer award for the best national postgraduate thesis (1984) and the first award for young researcher of

International Journal of Prosthodontics (1987).

He received the 'Premio Martignoni' by the Italian Academy of Prosthodontics (2017) and he was nominated 'Honorary member' by the same Academy (2018).

Publications listed in Pub Med August 2019

Select item 313988331.

[In Vitro and Ex Vivo Evaluation of Tablets Containing Piroxicam-Cyclodextrin Complexes for Buccal Delivery.](#)

Kontogiannidou E, **Ferrari M**, Deligianni AD, Bouropoulos N, Andreadis DA, Sorrenti M, Catenacci L, Nazari K, Arshad MS, Chang MW, Ahmad Z, Fatouros DG.

Pharmaceutics. 2019 Aug 8;11(8). pii: E398. doi: 10.3390/pharmaceutics11080398.

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J Prosthodont. 2019 Aug 9. doi: 10.1111/jopr.13101. [Epub ahead of print]

PMID:

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[Precision of maxillo-mandibular registration with intraoral scanners in vitro.](#)

Gintaute A, Keeling AJ, Osnes CA, Zitzmann NU, **Ferrari M**, Joda T.

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J Cell Commun Signal. 2019 Jul 19. doi: 10.1007/s12079-019-00528-4. [Epub ahead of print]

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[Prosthetic Rehabilitation of Microstomia Patients: A Systematic Review of Published Case Reports and Case Series.](#)

Patil S, Raj AT, Sarode SC, Sarode GS, Menon RK, Bhandi S, Awan KH, Khan MM, Gadbail AR, Gondivkar S, Kakkar MS, Ahmad ZH, **Ferrari M**.

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[Full arch precision of six intraoral scanners in vitro.](#)

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J Prosthodont Res. 2019 Jun 18. pii: S1883-1958(19)30218-X. doi: 10.1016/j.jpor.2019.05.005. [Epub ahead of print]

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[Role of salivary transcriptomics as potential biomarkers in oral cancer: A systematic review.](#)

Patil S, Arakeri G, Alamir AWH, Awan KH, Baeshen H, **Ferrari M**, Patil S, Fonseca FP, Brennan PA.

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[Fracture Resistance and Failure Pattern of Endodontically Treated Teeth Restored with Computer-aided Design/ Computer-aided Manufacturing Post and Cores: A Pilot Study.](#)

Eid R, Juloski J, Ounsi H, Silwaidi M, **Ferrari M**, Salameh Z.

J Contemp Dent Pract. 2019 Jan 1;20(1):56-63.

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[Comparative proteomic analysis between the gingival crevicular fluid and the corresponding periodontal pocket: a preliminary study.](#)

Bertoldi C, Bergamini S, **Ferrari M**, Lalla M, Bellei E, Spinato S, Tomasi A, Monari E.

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[Secretome analysis of oral keratinocytes chronically exposed to shisha.](#)

Patil S, Babu N, Subbannayya T, Mohan SV, Sathe G, Solanki HS, Rajagopalan P, Patel K, Advani J, Bhandi S, Sidransky D, Chatterjee A, Gowda H, **Ferrari M**.
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[Evaluation of the fit of zirconia three-unit fixed partial dentures fabricated by different impression techniques.](#)

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J Investig Clin Dent. 2019 Aug;10(3):e12413. doi: 10.1111/jicd.12413. Epub 2019 Apr 18.

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[The use of only enamel matrix derivative allows outstanding regeneration results in periodontal intrabony defect treatment: a retrospective study.](#)

Bertoldi C, **Ferrari M**, Giannetti L.
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[Machine learning and its potential applications to the genomic study of head and neck cancer-A systematic review.](#)

Patil S, Habib Awan K, Arakeri G, Jayampath Seneviratne C, Muddur N, Malik S, **Ferrari M**, Rahimi S, Brennan PA.
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[Proteomic Changes in Oral Keratinocytes Chronically Exposed to Shisha \(Water Pipe\).](#)

Patil S, Subbannayya T, Mohan SV, Babu N, Advani J, Sathe G, Rajagopalan P, Patel K, Bhandi S, Solanki H, Sidransky D, Gowda H, Chatterjee A, **Ferrari M**.
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[Posterior partial crowns out of lithium disilicate \(LS2\) with or without posts: A randomized controlled prospective clinical trial with a 3-year follow up.](#)

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[Shaping effectiveness and surface topography of reciprocating files after multiple simulated uses.](#)

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[The relationship of "shisha" \(water pipe\) smoking to the risk of head and neck cancer.](#)

Patil S, Awan KH, Arakeri G, Aljabab A, **Ferrari M**, Gomes CC, Gomez RS, Brennan PA.

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[Influence of glass-ceramic coating on composite zirconia bonding and its characterization.](#)

Thammajaruk P, Buranadham S, Thanatvarakorn O, **Ferrari M**, Guazzato M.

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[The ability of marginal detection using different intraoral scanning systems: A pilot randomized controlled trial.](#)

Ferrari M, Keeling A, Mandelli F, Lo Giudice G, Garcia-Godoy F, Joda T.

Am J Dent. 2018 Oct;31(5):272-276.

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[Patient Reported Outcome Measures \(PROMs\) of posterior single-implant crowns using digital workflows: A randomized controlled trial with a three-year follow-up.](#)

Joda T, **Ferrari M**, Bragger U, Zitzmann NU.

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Corsentino G, Pedullà E, Castelli L, Liguori M, Spicciarelli V, Martignoni M, **Ferrari M**, Grandini S. J Endod. 2018 Sep;44(9):1416-1421. doi: 10.1016/j.joen.2018.05.012. Epub 2018 Jul 23.

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[Sealing effectiveness against Staphylococcus aureus of five different implant-abutment connections.](#)

Discepoli N, Ferrari Cagidiaco E, Landini G, Pallecchi L, Garcia-Godoy F, **Ferrari M**. Am J Dent. 2018 Jun;31(3):141-143.

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[Evaluation of the Effect of Different Types of Abrasive Surface Treatment before and after Zirconia Sintering on Its Structural Composition and Bond Strength with Resin Cement.](#)

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Biomed Res Int. 2018 May 27;2018:1803425. doi: 10.1155/2018/1803425. eCollection 2018.

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Brainstorm Consortium, Anttila V, Bulik-Sullivan B, Finucane HK, Walters RK, Bras J, Duncan L, Escott-Price V, Falcone GJ, Gormley P, Malik R, Patsopoulos NA, Ripke S, Wei Z, Yu D, Lee PH, Turley P, Grenier-Boley B, Chouraki V, Kamatani Y, Berr C, Letenneur L, Hannequin D, Amouyel P, Boland A, Deleuze JF, Duron E, Vardarajan BN, Reitz C, Goate AM, Huentelman MJ, Kamboh MI, Larson EB, Rogaeva E, St George-Hyslop P, Hakonarson H, Kukull WA, Farrer LA, Barnes LL, Beach TG, Demirci FY, Head E, Hulette CM, Jicha GA, Kauwe JSK, Kaye JA, Leverenz JB, Levey AI, Lieberman AP, Pankratz VS, Poon WW, Quinn JF, Saykin AJ, Schneider LS, Smith AG, Sonnen JA, Stern RA, Van Deerlin VM, Van Eldik LJ, Harold D, Russo G, Rubinsztein DC, Bayer A, Tsolaki M, Proitsi P, Fox NC, Hampel H, Owen MJ, Mead S, Passmore P, Morgan K, Nöthen MM, Rossor M, Lupton MK, Hoffmann P, Kornhuber J, Lawlor B, McQuillin A, Al-Chalabi A, Bis JC, Ruiz A, Boada M, Seshadri S, Beiser A, Rice K, van der Lee SJ, De Jager PL, Geschwind DH, Riemenschneider M, Riedel-Heller S, Rotter JI, Ransmayr G, Hyman BT, Cruchaga C, Alegret M, Winsvold B, Palta P, Farh KH, Cuenca-Leon E, Furlotte N, Kurth T, Ligthart L, Terwindt GM,

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