



Harvard Medical School/Harvard School of Dental Medicine  
Format for the Curriculum Vitae

**Date Prepared:** December 8, 2016  
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**Place of Birth:** Padova, Italy

**Education**

2001/ 2006	D.D.S.	Dentistry	University of Padova School of Dental Medicine; Padova, Italy
2007/ 2010	Advanced Graduate Education Certificate	Periodontology	Tufts University School of Dental Medicine
2008/ 2010	M.S.	Implant Dentistry	Tufts University School of Dental Medicine
2012/2013	Diploma	Research Methodology	University of Padova School of Dental Medicine; Padova, Italy
2012/2016	Ph.D.	Periodontology, Mucogingival Surgery	International University of Catalonia; Barcelona, Spain

**Postdoctoral Training**

2006/ 2007	Fellow	Oral Surgery	University of Padova School of Dental Medicine; Padova, Italy
2007/2010	Resident	Periodontology	Tufts University School of Dental Medicine
2010	Fellow	Periodontology	University of Padova School of Dental Medicine; Padova, Italy
2014/2015	Resident	Dentistry for hospitalized patients	University of Padova School of Dental Medicine; Padova, Italy



**Faculty Academic Appointments**

11/2010 to pres.	Instructor	Oral Medicine, Infection & Immunity	Harvard School of Dental Medicine
01/2011 to pres.	Adjunct Professor	Division of Dental Hygiene	University of Padova School of Dental Medicine
01/2012 to pres.	Clinical Faculty	Dental Implantology	University of Padova School of Dental Medicine
01/2013 to pres.	Contract Professor	Periodontology	University of Padova School of Dental Medicine

**Appointments at Hospitals/Affiliated Institutions**

2003/ 2006	Clinical Assistant	Dental Clinic (Pediatric Dentistry)	Ospedale Civile di Castelfranco Veneto (TV) , Italy
2010/ 2016	Fellow	Dental Clinic	Ospedale Civile di Padova (PD) , Italy

**Other Professional Positions**

2010- 2014	Practice Limited to Periodontics and Dental Implants	Dental Clinic (dr. Chierico) Address: G. Pascoli n° 6 a Bure di San Pietro in Cariano, Verona Italy <a href="http://www.chierico-perona.com">http://www.chierico-perona.com</a>
2010- Present	Practice Limited to Periodontics and Dental Implants	Dental Clinic (Gobbato Studio Dentistico) <a href="http://www.gobbatostudiodentistico.it/">http://www.gobbatostudiodentistico.it/</a>
2015- Present	Practice Limited to Periodontics and Dental Implants	Dental Clinic (Centro Odontoiatria Padova) <a href="http://www.padovaodontoiatria.it">http://www.padovaodontoiatria.it</a>
2015- Present	Founder	Antonianum Institute for Continuing Dental Education and Research Address: Via Venezia, 90 - 35131 Padova Italy

**Major Administrative Leadership Positions**

**National and International**

2012- Present	Course Co-Director – Peridontology (Graduate Students)	University of Padova School of Dental Medicine
2012- Present	Course Co-Director – Implant Therapy	University of Padova School of Dental



	(Graduate Students)	Medicine
2014- Present	Course Director – Post-extraction Implant therapy	University of Padova School of Dental Medicine

**Committee Service**

**National and International**

2013-2016	Trustee; (President Prof. Chiapasco)	Italian Society of Osseointegration (SIO)
2013-2016	Website Education Committee member	Academy of Osseointegration (AO)
2016-Pres	Scientific Committee member (President Prof. T. Testori)	Italian Academy of Osseointegrations (IAO)

**Professional Societies**

2007- 2010	American Dental Association	Student Member
2007- 2010	Massachusetts Periodontal Society	Student Member
2007- 2010	Academy of Periodontology	Student Member
2010- Pres.	National Association of Italian Dentists	Regular Member
2010- Pres.	Italian Society of Periodontology	Certified Member
2011-Pres.	Italian Society of Osseointegration	Active Member
2011-Pres.	Academy of Periodontology	Diplomate Member
2012-Pres	Italian Academy of Esthetic Dentistry	Active Member
2013-Pers	Academy of Osseointegration	Active Member

**Editorial Activities**

**Ad hoc Reviewer**

Journal of Periodontology  
 International Journal of Periodontology and Restorative Dentistry  
 Clinical Implant Dentistry and Related Research  
 International Journal of Oral Science- Nature pub. group

**Other Editorial Roles**

2012	Editorial Consultant	International Journal of Periodontology and Restorative Dentistry
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**Honors and Prizes**

2015	Certificate of Special Appreciation	HSDM, AGE Periodontology	Teaching
2016	Best Clinical Presentation	Italian Society of Osseointegration	Poster and Oral Presentation



## **Report of Funded and Unfunded Projects**

### **Funding Information**

#### **Past**

2008-2010      Early bone healing around 2 different experimental, HA grit-blasted, and dual acid-etched titanium implant surfaces. A pilot study in rabbits.  
Biomet 3i Palm Beach Gardens, FL.  
Co-P.I. (\$30,000)  
To compare early bone healing around different experimental titanium implant surfaces and to evaluate the role of a calcium phosphate– coated implant surface because it relates to bone-implant contact (BIC).

#### **Current**

2015-completion      Computer Guided Bone Block Harvesting from the Mandible  
Role: Co-PI  
Nobel Biocare  
The aim of this study is to describe a novel technique for mandibular computer guided bone harvesting.

### **Current Unfunded Projects**

2016-  
completion      Efficacy of a novel surgical plier for evaluating flap tension  
I am supervising a fellow in testing the plier with pre-clinical experiments

## **Report of Local Teaching and Training**



**Teaching of Students in Courses**

2011 to present	Periodontology 5 <sup>th</sup> year dental students (I Semester)	University of Padova School of Dental Medicine 5-hr session per wk for 20 wks
2011 to present	Implantology 5 <sup>th</sup> year dental students (II Semester)	University of Padova School of Dental Medicine 3-hr session per wk for 10 wks
2011 to present	Evidence based literature review 1 <sup>st</sup> year periodontal residents	HSDM 10-hr per wk for 1 week

**Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)**

2011 to present	The importance of soft and hard tissue thickness in the achievement of esthetic results. 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> . year periodontal residents	HSDM 4 hr session per day for 3 days
2011 to present	Introduction to Periodontal Phase I and II therapy 1 <sup>st</sup> year periodontal resident	HSDM 4 session hr session
2011 to present	Implant Surfaces and implant design 1 <sup>st</sup> year periodontal residents	HSDM 4 hr session
2011 to present	Subepithelial Connective Tissue Grafts for the Coverage of Denuded Root Surfaces 1 <sup>st</sup> , 2 <sup>nd</sup> year periodontal resident	HSDM 4 hr session
2011 to present	The use of Free Gingival Graft for the treatment of mucogingival defects. 1 <sup>st</sup> year periodontal resident	HSDM 4 hr session
2011 to present	Guided tissue Regeneration, from the evidence based to the clinical reality. 1 <sup>st</sup> year periodontal resident	HSDM HSDM

**Clinical Supervisory and Training Responsibilities**

2012 to present	Implant Post-Graduate course; Clinic Supervisor	University of Padova School of Dental Medicine
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**Laboratory and Other Research Supervisory and Training Responsibilities**

2011 to present	Incisions design and suturing technique 1 <sup>st</sup> year periodontal residents	HSDM
2011 to present	Incision Design, Osseous resective therapy on a pig jaw 1 <sup>st</sup> year periodontal resident	HSDM
2011 to present	Incision Design, Osseous resective therapy on a pig jaw 5 <sup>th</sup> year dental students	University of Padova School of Dental Medicine

**Formal Teaching of Peers (e.g., CME and other continuing education courses)**

10/2012	Periodontal Biotype and Esthetic Implant Therapy Multidisciplinary Approaches in Implant Dentistry CE Course	2 lectures Harvard School of Dental Medicine
03/2013	Esthetic Result with Implant Supported Restoration Dr. Nevins and co-worker at University of Padova CE Course	Lecture University of Padova
10/2014	Periodontal Biotype and Esthetic Implant Therapy A road map to successful implant dentistry CE Course	Lecture Harvard School of Dental Medicine
11/2014	Periodontal Biotype and Esthetic Implant Therapy Fourth Ivy League Esthetics and Implant Course	Lecture Harvard School of Dental Medicine
05/2016	Minimally Invasive Soft Tissue Grafting Techniques for Esthetic Implant Therapy A Comprehensive Treatment Strategies in Implant Dentistry	Harvard Center Shanghai
05/2016	Soft Tissue Complication Management A Comprehensive Treatment Strategies in Implant Dentistry	Harvard Center Shanghai

**Report of Regional, National and International Invited Teaching and Presentations**



**Invited Presentations and Courses**

**Regional**

- 2008 From the Scaling and Root Planning to Osseous Surgery  
Tufts University TUSDM, DMD Lecture
- 2009 Implant Placement and Tooth Position  
Tufts University TUSDM, DMD Lecture
- 2010 Early Bone Healing around Different Experimental Implant Surfaces. Histological  
Analysis. – Oral Presentation –  
1st Boston Periodontal Resident Meeting; Boston MA, USA, Tufts University
- 2010 Practical and Predictable use of Titanium Mesh for the Treatment of Severe Ridge  
Deformities. Poster Presentation. Boston Postdoctoral Resident Meeting. Tufts University
- 2010 Clinical implications of Different Periodontal Biotype – Oral Presentation  
35th Yankee Dental Meeting, Boston MA
- 2011 Clinical implications of Different Periodontal Biotype  
Harvard University Perio Study Club
- 2012 Esthetics with implant supported restoration  
University of Padova School of Dental Medicine – Master in Esthetic Dentistry
- 2012 Implant surfaces and osseointegration  
University of Padova School of Dental Medicine – Master in Implant Dentistry

**National**

- 2010 An Analysis of the Shapes of Maxillary Central Incisors in a Caucasian Population –  
Poster Presentation  
Incomplete passive eruption. Proposed classification and treatment. – Poster Presentation  
American Association for Dental Research AADR; Washington DC
- 2010 Early Bone Healing around different experimental Implant Surfaces. Histological and  
Histomorphometrical Analysis. (Poster Presentation)  
The 10th International Symposium on Periodontics & Restorative Dentistry –  
Quintessence Pub. Boston MA
- 2010 Analysis of the Shapes of Maxillary Central Incisors in Cases of a Single Implant Tooth  
Replacement: Their Possible Influence on the Esthetic Outcome. (Poster Presentation) -  
Quintessence Pub. Boston MA
- 2011 Smile analysis and its implications in the periodontal and implant treatments. Oral  
Presentation  
Boston MA, USA, 36th Yankee Dental Meeting
- 04/2011 The importance of soft and hard tissue thickness in the achievement of esthetic results.  
Oral Presentation  
Noventa di Piave TV, Italy
- 04/2011 Treatment modality for the severe periodontal defect - Oral Presentation  
National Association of Italian Dentists, Brescia BS, Italy
- 05/2011 Treatment Modalities for the severe periodontal defect  
ITA (Italian Tufts Alumni) Monastier (TV) Italy - Oral Presentation
- 04/2012 Periodontal biotype – Oral Presentation  
National Association of Italian Dentists, Brescia BS, Italy
- 05/2012 The importance of soft and hard tissue thickness in the achievement of esthetic results.



- Oral Presentation  
National Association of Italian Dentists, Treviso TV, Italy
- 06/2012 When to perform socket preservation. The management of the post extraction site.  
Meeting ITA (Italian TUFTS alumni) BUIA (Boston University Italian Alumni)  
Monastier, Treviso – Oral Presentation
- 09/2012 II° International Congress  
Soft and hard tissue management with the implant supported restoration  
IAED (Italian Academy of Esthetic Dentistry) Venice, Italy - Oral Presentation
- 09/2012 Comitato Scientifico: Henry Salama, Tiziano Testori, Roberto Cocchetto  
Indication for short and small implant in the atrophic ridge  
VERONA 15° International Congress 3I Biomet
- 12/2012 Implant surfaces and implant morphology – Oral presentation  
Lago d’Iseo BS Brescia, Italy Biomet 3i
- 12/2012 Periodontal therapy may prevent peri implant disease  
9 Convegno Invernale “Memorial Prof. Giuseppe Rossi” del Sodalizio degli Odontoiatri,  
degli Odontostomatologi e dei Chirurghi Maxillo-Facciali Ospedalieri del Triveneto. San  
Martino di Castrozza TR Trento Italy
- 03/2012 Soft and hard tissue management with the implant supported restoration  
Biomet 3i National Congress Montecatini, Italy
- 04/2013 How to improve the soft tissue appearance around our implant supported restoration  
Universtita San Paolo Milano Milano, Italy. Oral Presentation
- 04/2013 Is it possible to maintain peri-implant health with inadequate band of keratinized mucosa?  
Italian Society of Periodontology – Collegio Docenti – Rome Italy Oral presentation
- 05/2013 The importance of the gingival margin  
3 days course Corso presso ABC Dental Verona Italy- Oral Presentation
- 09/2013 Soft and hard tissue consideration in demanding esthetic implant therapy.  
Italian Academy of Esthetic Dentistry, III° International congress, Treviso, Italy – Oral  
presentation
- 10/2013 Soft and hard tissue consideration in demanding esthetic implant therapy.  
University Of Iowa Iowa City, IOWA USA – Full day course
- 12/2013 Periodontal regeneration: Where are we now?  
Università degli Studi di Milano Polo Centrale, Milan Italy (Prof. Rasperini)– Oral  
presentation
- 02/2014 Can soft tissue adhere to the implant surface?  
XXII International Congress SIO (Italian Society of Osseointegration) – Oral presentation
- 02/2014 Infraoccluded dental implants  
ReUnion Bologna Italy, Oral Presentation
- 03/2014 Beyond Dentistry  
TEDx ; Padova Italy Oral Presentation
- 04/2014 Soft and hard tissue consideration in demanding esthetic implant therapy.  
Denver, ITI study club, Oral Presentation
- 06/2014 Impalnt surfaces and osseointegration  
Istituto Ortopedico Galeazzi (Porf. Testori) Oral Presentation
- 06/2014 Soft and hard tissue consideration in demanding esthetic implant therapy.  
Milano, Istituto Odontostomatologico Italiano ITI Study Group, Oral Presentation
- 10/2014 The 10 diagnostic keys for a successful implant placement  
VERONA 17° International Congress Biomet 3I, Oral Presentation





- 10/2014 Periodontal treatment planning  
University of Parma, Italy, Full day course
- 02/2015 The use of CTG with immediate implant placement  
ReUnion, Bologna Oral Presentation
- 03/2015 Forum for innovation: Extraction socket management  
SIDP Italian Society of Periodontology XVII International Congress – Oral Presentation  
Rimini, Italy
- 03/2015 Extraction socket management  
Venezia Biomet 3i National Congress – Oral Presentation
- 03/2015 Mucogingival plastic surgery  
Advanced Dental Research and Medical Training; Treviso Italy
- 04/2015 Key factors for Esthetics on Implant Restorations  
Tufts University School of Dental Medicine, Department of Periodontology, Boston US,  
Oral Presentation
- 06/2015 From periodontal therapy to implant placement  
Just for a smile; Gruppo Triveneto-Emiliano Romagnolo di Chirurgia Plastica– Oral  
Presentation
- 09/2015 Perio-Implant Treatment Planning – Oral Presentation  
Verona 18° International Congress 3I
- 10/2015 Periodontal treatment planning  
University of Parma, Italy, Full day course
- 11/2015 The 10 diagnostic keys for a successful implant placement  
VII Simposio Accademia di Implantologia di Chieri. Torino, Italy
- 02/2016 Key factors for Esthetics on Implant Restorations – Oral Presentation  
XXIV Congresso Internazionale SIO, *Milano Italy*
- 02/2016 Implant Esthetic  
Antonianum Institute Padova, Italy - Oral Presentation
- 03/2016 Three days course: implant dentistry  
Antonianum Institute Padova, Italy - Oral Presentation
- 03/2016 Workshop Biomet 3i:Post-extraction implant placement  
SIDP XIX Congresso Nazionale-Torino, 17-19 Marzo 2016 – Oral Presentation
- 05/2016 Key factors for Esthetics on Implant Restorations – Oral Presentation  
Quintessence International Meeting, Verona Italy 2016
- 07/2016 Antonianum Institute Padova, Italy - Oral Presentation  
Non surgical periodontal therapy
- 09/2016 Key factors for Esthetics on Implant Restorations  
Verona 19° International Congress 3I
- International**
- 07/2010 Implant Placement and Tooth Position.  
Barcelona, Spain. International University of Catalunya
- 10/2010 Implant therapy in the esthetic zone. Oral Presentation  
iAAID : advanced interdisciplinary dentistry. Nice, France
- 10/2010 Subepithelial Connective Tissue Grafts for the Coverage of Denuded Root Surfaces – Oral  
Presentation



- 03/2014 International University of Catalunya Barcelona, Spain.  
Soft and hard tissue consideration in demanding esthetic implant therapy.  
III SCOI International congress - Granada 27-29 March 2014 Oral Presentation
- 03/2014 Implant Surfaces and implant design  
University Complutense Madrid, Spain
- 06/2014 Can soft tissue adhere to the implant surface?  
Asian Dental Congress, Dubai EAU
- 06/2015 Key factors for Esthetics on Implant Restorations – Oral Presentation  
Webinar Greece Merimna Institute
- 04/2016 Oral care presentation  
Frankfurt, Germany P&G Oral B
- 05/2016 Merimna Institute Full day course and workshop  
Athens, Greece
- 10/2016 Quintessence International Meeting, Lithuania, Vilnius  
Key factors for Esthetics on Implant Restorations
- 11/2016 ZimmerBiomet Institute Zurich, Switzerland  
Three days course on implant surgery

## **Report of Clinical Activities and Innovations**

### **Current Licensure and Certification**

- 2008 Italian Dental License
- 2012 Diplomate of the American Board of Periodontology, Board Certified

### **Practice Activities**

- |            |   |  |                   |
|------------|---|--|-------------------|
| 2010- 2016 | Periodontology and<br>Implant Dentistry | Dental Clinic, University of Padova                      | 1 session per wk  |
| 2010-2016  | Periodontology and<br>Implant Dentistry | Private Practice, C&G Noventa<br>Padovana, PD, Italy     | 2 sessions per wk |
| 2010-2016  | Periodontology and<br>Implant Dentistry | Private Practice, “Padova<br>Odontoiatria” Padova, Italy | 2 sessions per wk |

### **Clinical Innovations**



Computer guided bone block harvesting:

Using a Computer Aided Design (CAD) software (PlastyCAD 3DIEMME, Como, Italy) we designed a surgical guide produced in medical polyamide through a Computer Aided Manufacturing (CAM) process (3Dfast, Padova, Italy).

The aim of this project is to develop a procedure to improve the accuracy of mandibular bone block harvesting through the use of computer guided surgery. This was never done before. The great advantage of computer guided bone harvesting is the production of a custom made osteotomy for which follows strict real and specific positioning of anatomical structures to minimize and/or avoid any risk of damage to nerves and blood vessels improving patient's safety.

The article will be soon online. It has already been accepted for publication:

2721 Results of Computer Guided Bone Block Harvesting from the Mandible: a Case Series.

Manuscript type: Implants

Date accepted: 2015-10-04

All Authors: Luca Gobatto, Luca De Stavola, Andrea Fincato, Eriberto Bressan

<http://www.manuscriptmanager.com/mm3/help.php?option=forth>



## Report of Technological and Other Scientific Innovations

2016                      Together with a colleague we developed an innovative instrument to measure the flap tension.  
                                  SMARTFLAP is the only instrument in the world that allows the clinician to release the soft tissue flap by keeping a constant control over the applied force, with the final aim to ensure the best conditions for a successful wound healing.  
                                  At this point we are starting the clinical trials to test the efficacy of the instrument.

## Report of Education of Patients and Service to the Community

### Activities

2011-2016              Elementary school ( I year – V year) Vittorio Veneto (TV) Italy  
                                  Oral hygiene instruction and oral presentation about dental care and nutrition

2011-2016              Middle school (I, III year) Vittorio Veneto (TV) Italy  
                                  Oral hygiene instruction and oral presentation about dental care and nutrition

### Educational Material for Patients and the Lay Community

#### **Books, monographs, articles and presentations in other media**

2011	Oral Care	TV presentation	Implant Dentistry
2012	How to choose your dentist	TV presentation	Oral Care and Periodontal disease prevention
2014	Economical crisis and oral health	Radio Presentation	Oral Care and Periodontal disease prevention
2016	Periodontal Disease	Newspaper	periodontal disease

#### **Patient educational material**

2010                      Periodontal disease risk indicator

## Report of Scholarship



## Publications

### Peer reviewed publications in print or other media

- 1) [Multidisciplinary management of a young female with infraoccluded dental implants: a case report.](#)  
**Gobbato L**, Paniz G, Mazzocco F, Wang CW.  
Int J Esthet Dent. 2016;11(2):162-73. PMID: 27092344
- 2) [Patient morbidity and root coverage outcomes after the application of a subepithelial connective tissue graft in combination with a coronally advanced flap or via a tunneling technique: a randomized controlled clinical trial.](#)  
**Gobbato L**, Nart J, Bressan E, Mazzocco F, Paniz G, Lops D.  
Clin Oral Investig. 2016 Jan 27. [Epub ahead of print]  
PMID: 26814715
- 3) [Periodontal response to two different subgingival restorative margin designs: a 12-month randomized clinical trial.](#)  
Paniz G, Nart J, **Gobbato L**, Chierico A, Lops D, Michalakis K.  
Clin Oral Investig. 2015 Oct 8. [Epub ahead of print]  
PMID: 26445857
- 4) [Results of Computer Guided Bone Block Harvesting from the Mandible: a Case Series.](#)  
**Gobbato L**, De Stavola L, Fincato A, Bressan E  
Int J Periodontics Restorative Dent. Date accepted: 2015-10-04
- 5) [Evaluation of root coverage with and without connective tissue graft for the treatment of single maxillary gingival recession using an image analysis system: a randomized controlled clinical trial.](#)  
Lops D, **Gobbato L**, Nart J, Guazzo R, Ho DK, Bressan E.  
Int J Periodontics Restorative Dent. 2015 Mar-Apr;35(2):247-54. doi: 10.11607/prd.2241.  
PMID: 25738345
  - First and Second authors equally contribute to this manuscript
- 6) [Pulsed electromagnetic fields for postoperative pain: a randomized controlled clinical trial in patients undergoing mandibular third molar extraction.](#)  
Stocchero M, **Gobbato L**, De Biagi M, Bressan E, Sivoilella S.  
Oral Surg Oral Med Oral Pathol Oral Radiol. 2015 Mar;119(3):293-300. doi:  
10.1016/j.oooo.2014.11.017. Epub 2014 Dec 13.  
PMID: 25660828
- 7) [Graphene based scaffolds effects on stem cells commitment.](#)  
Bressan E, Ferroni L, Gardin C, Sbricoli L, **Gobbato L**, Ludovichetti FS, Tocco I, Carraro A, Piattelli A, Zavan B.  
J Transl Med. 2014 Oct 25;12:296. Review. PMID: 25344443



- 8) [Efficacy of an anesthetic gel in the reduction of pain during impression making.](#)  
Bressan E, Paniz G, **Gobbato L**, Franco A, Lops D.  
Oper Dent. 2014 Jul-Aug;39(4):361-6. doi: 10.2341/12-490-C. Epub 2014 Feb 7.  
PMID: 24506274
- 9) [Three-dimensional volume change of grafted bone in the maxillary sinus.](#)  
Mazzocco F, Lops D, **Gobbato L**, Lolato A, Romeo E, del Fabbro M.  
Int J Oral Maxillofac Implants. 2014 Jan-Feb;29(1):178-84. doi: 10.11607/jomi.3236.  
PMID: 24451869
- 10) [Human histologic evaluation of root coverage obtained with connective tissue graft over a compomer restoration.](#)  
Comuzzi L, Mazzocco F, Stefani R, **Gobbato L**, Fornea E, Stellini E, Iezzi G, Piattelli A.  
Int J Periodontics Restorative Dent. 2014 Jan-Feb;34(1):39-45. doi: 10.11607/prd.1921.  
PMID: 24396839
- 11) [The effect of keratinized mucosa width on peri-implant health: a systematic review.](#)  
**Gobbato L**, Avila-Ortiz G, Sohrabi K, Wang CW, Karimbux N.  
Int J Oral Maxillofac Implants. 2013 Nov-Dec;28(6):1536-45. doi: 10.11607/jomi.3244.Review.  
PMID: 24278922
- 12) [Maintaining interimplant crestal bone height via a combined platform-switched, Laser-Lok implant/abutment system: a proof-of-principle canine study.](#)  
Nevins M, Nevins M, **Gobbato L**, Lee HJ, Wang CW, Kim DM.  
Int J Periodontics Restorative Dent. 2013 May-Jun;33(3):261-7. doi: 10.11607/prd.1773.  
PMID: 23593619
- 13) [Significance of crown shape in the replacement of a central incisor with a single implant-supported crown.](#)  
**Gobbato L**, Paniz G, Mazzocco F, Chierico A, Tsukiyama T, Levi PA Jr, Weisgold AS.  
Quintessence Int. 2013 May;44(5):407-13. doi: 10.3290/j.qi.a29146.  
PMID: 23479574
- 14) [Relationships between different tooth shapes and patient's periodontal phenotype.](#)  
Stellini E, Comuzzi L, Mazzocco F, Parente N, **Gobbato L**.  
J Periodontal Res. 2013 Oct;48(5):657-62. doi: 10.1111/jre.12057. Epub 2013 Feb 27.  
PMID: 23441885
- 15) [Early bone healing around 2 different experimental, HA grit-blasted, and dual acid-etched titanium implant surfaces. A pilot study in rabbits.](#)  
**Gobbato L**, Arguello E, Martin IS, Hawley CE, Griffin TJ.  
Implant Dent. 2012 Dec;21(6):454-60. doi: 10.1097/ID.0b013e3182611cd7.  
PMID: 23149502
- 16) [Analysis of the shapes of maxillary central incisors in a Caucasian population.](#)  
**Gobbato L**, Tsukiyama T, Levi PA Jr, Griffin TJ, Weisgold AS.



Int J Periodontics Restorative Dent. 2012 Feb;32(1):69-78. PMID: 22254227

### Non-peer reviewed scientific or medical publications/materials in print or other media

- 1) Trattamento multidisciplinare di un impianto in infraocclusione Gobbato L; Paniz G; Mazzocco F; IJOMI Italian Edition 03/2015
- 2) Subepithelial Connective Tissue Grafts for the Coverage of Denuded Root Surfaces; Gobbato L. ; Mazzocco F.; Carranza's Clinical Periodontology: Expert Consult, 11th edition Carranza's Clinical Periodontology Expert Consult, 11th Edition: Text with Continually Updated Online Reference. 2012
- 3) Book Chapter; Clinical Cases in Periodontics; Paul A. Levi, Jr., DMD, and Luca Gobbato, DDS, MS; Chapter 9 Preventive Periodontal Therapy 307, Plaque Removal 308; Wiley Pub.; Edited by: Nadeem Karimbux; 2012
- 4) Book Chapter: Subepithelial Connective Tissue; Gobbato L. ; Clinical Cases In Implant Dentistry; Wiley Pub.; edited by Nadeem Karimbux and Hans Peter Weber. 2016
- 5) Book Chapter: Single Implant placement related to the esthetic zone; Gobbato L.; Clinical Cases In Implant Dentistry; Wiley Pub.; edited by Nadeem Karimbux and Hans Peter Weber.
- 6) Book Chapter: Free gingival graft Gobbato L.; Clinical Cases In Implant Dentistry; Wiley Pub.; edited by Nadeem Karimbux and Hans Peter Weber.
- 7) 11 FAD 2013 – L'importanza della mucosa cheratinizzata per la stabilità e la salute dei tessuti peri-implantari. Italian Society of Osseointegration (SIO) Author: Luca Gobbato  
<http://www.cicweb.it/11-fad-2013-limportanza-della-mucosa-cheratinizzata-per-la-stabilita-e-la-salute-dei-tessuti-peri-implantari>
- 8) Dentistry *Title*: IS THE CONNECTIVE TISSUE GRAFT NEEDED FOR THE TREATMENT OF DENUDED ROOT SURFACES? *Authors*: [Gobbato L](#), [Nart J](#) *Journal*: Trends in Clinical Periodontology & Implant Advantages and Disadvantages of Soft Tissue Grafting *Reference*: <http://www.trendsporioimplantresourcecenter.com/>.

### Professional educational materials or reports, in print or other media

Dental XP: <http://www.dentalxp.com/xperts/lgobbato>

Several CE course on dental implants and online continuing education.

VJMed (Video Journal of Medicine): <http://www.vjmed.net/relatore.aspx/8584/Luca-Gobbato>

- Mucogingival therapy course

Odontoiatria FAD: <http://www.odontoiatria.fad.it/>

- Dental Esthetics with implant supported restoration

### Thesis



- 1) DDS Thesis: Gobbato L. July, 2006;  
Immediate loading of single implant supported restorations with two different implant systems. A resonance frequency analysis on humans.
- 2) MS Thesis: Gobbato L. May 2010  
Early Trabecular Bone Healing around Different Experimental Implant Surfaces. A Histologic and Histomorphometric Study in Rabbits.
- 3) PhD Thesis: Gobbato L. June 2016  
Patients' morbidity and root coverage outcomes by means of coronally advanced flap and the application of sub-epithelial connective tissue graft with different surgical procedures.

### **Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings**

American Association for Dental Research AADR; Washington DC 2010 An Analysis of the Shapes of Maxillary Central Incisors in a Caucasian Population – Poster Presentation

American Association for Dental Research AADR; Washington DC 2010 Incomplete Passive Eruption. Proposed Classification and Treatment  
Conference Paper March 2010

The 10th International Symposium on Periodontics & Restorative Dentistry – Quintessence Pub. Boston MA Early Bone Healing around different experimental Implant Surfaces. Histological and Histomorphometrical Analysis. (Poster Presentation)

The 10th International Symposium on Periodontics & Restorative Dentistry – Quintessence Pub. Boston MA Analysis of the Shapes of Maxillary Central Incisors in Cases of a Single Implant Tooth Replacement: Their Possible Influence on the Esthetic Outcome. (Poster Presentation) – 2010

BPRM (Boston periodontal resident meeting) 2010 Practical Use of Titanium Mesh and Mineross for Treatment of Severe Ridge Deformities. - Reality and Limitations - (Poster Presentation)

Correlation Between Facial Bone Thickness Of The Maxillary Anterior Sextant And The Facial Height Dimension

American Academy of Periodontology Poster Presentation # 1389279 Los Angeles 2012

3i International Meeting Verona Italy, 2013 Bone healing around experimental implant surfaces. Poster presentation

3i International Meeting Verona Italy, 2014 Immediate loading protocols - Poster presentation

XXIV Congresso Internazionale SIO, Milan Italy: First Price (\$1000) for best clinical poster and





presentation titled: Multidisciplinary management of a young adult female with previously inserted infraoccluded dental implants.



Throughout my life, my goal has been to pursue higher levels of learning and proficiency. Pursuing a dental specialty and diplomate status after dental school followed by a PhD in Barcelona, has allowed me to combine my love for clinical dentistry with informed critical thinking and scientific expertise.

In addition to developing a thriving dental practice in Italy, I have been active during the last 5 years as a dental educator principally focused on the education of post-graduate periodontal residents with a specific interest in the integration of regenerative therapies in clinical periodontology and implant dentistry. Lecture topics range from the clinical application of bone grafting and membrane materials, CBCT guided dental implant surgery and classic periodontal therapy to the latest techniques for esthetic soft tissue periodontal surgery. In addition to lectures, I have led hands-on workshops in both the clinic and in the simulation laboratories with direct clinical supervision. Furthermore, I lecture in the undergraduate dental implant didactic courses and in continuing education seminars for periodontal regeneration, dental implants and esthetic dentistry. In addition, I have been involved with the School of Dental Hygienists at the University of Padova lecturing about maintenance protocols of the periodontal patients with a focus on peri-implant disease prevention. Lastly in 2013, I initiated a course for graduate students at the University of Padova taught completely in the English entitled “Post Extraction Implant Placement”. In 2015 I was awarded with a “Special Recognition Certificate” as “best teacher” by the residents at the Harvard School of Dental Medicine, division of periodontology.

Since 2012, I have published more than 16 articles, written four book chapters. Currently, in collaboration with a prosthodontist, I am working on a book about surgical and prosthetic implant protocols. The book will be published by Quintessence International

I am currently active in three areas of clinical research:

- 1) Esthetic Dentistry**
- 2) Patient Management**
- 3) Implant Success**

### **1) Esthetic Dentistry**

Achieving an esthetic appearance when using a dental implant to replace a missing tooth has become the next challenge for both clinician and patient. Our goal is not only to restore the missing function for the edentulous areas but also to fulfill the esthetic needs. An implant supported restoration should look as similar as possible to the natural dentition and mimic the appearance and the harmony of natural healthy teeth and surrounding soft tissue. Therefore, a better understanding of the anatomy involved, the biology of the healing process and the limitations of the materials used is essential.

For this reason, we investigated how the anatomical tooth shape would relate to the esthetic outcome. Being able to identify and classify different tooth shapes gave us the ability to relate the tooth shape to different periodontal biotype (size, shape and thickness of gingival tissues). The related articles are # 14 and 16.

These articles had a great clinical impact. Knowing the correct tooth shape influences the type of



periodontal surgery needed (such as crown lengthening), the scale and shape of full-coverage restorations at or apical to the gingival margin, and the placement of dental implants. Understanding tooth shape prior to periodontal surgery is an important factor for treatment planning to achieve acceptable esthetic outcomes. This comprehension could be even more important in delivering an esthetic result with our implant supported restoration. For this reason, the third article relates the tooth shape to the esthetic outcome of our implant supported restoration: Article # 13. This paper demonstrates that the tooth shape will influence the decision making as to whether or not the adjacent natural incisor will require an adjunct restorative procedure to enhance the final esthetic result.

At the same time my research has focused on the maintenance of the soft tissue interface of both dental implants and natural teeth. These papers specifically target methods to prevent gingival recession around restored teeth in order to improve the esthetic results. Using the natural dentition, we investigated root coverage obtained with connective tissue grafts over a composite restoration using histologic evaluation. (Article #10). I have also conducted a randomized clinical study about the efficacy of soft tissue grafting for the denuded root surface; (Article #5). Additionally, Article 1 is a challenging case report about a young female with a severe peri-implant recession, showing how we can solve such clinical scenario.

## **2) Patient Management**

Another important aspect of clinical research, which sometimes is lacking, is to provide the patient's perspective and feelings about what the operators has provided. The evaluation of patient-related variables has merit in approaching the issue of clinical procedures from the patient's point of view. For this reason we investigated the patient morbidity outcome when comparing two of the most widely used techniques to achieve root coverage. The results of this work can be used to have a better set of clinical indications to correctly approach root coverage when needed. It opens avenues for future research in terms of reducing morbidity with these procedures and increasing their effectiveness. Article #2.

Recently we addressed the patient's experience while taking impressions for restorative procedures. In this study, we evaluated the efficacy of an anesthetic gel in the reduction of pain experienced during the impression of a crown with a subgingival restorative margin. Article #8. Another clinical trial concerning the subgingival restorative margin's influence the periodontal soft tissue response demonstrated the statistically significant difference existing between feather edge and chamfer finishing lines in regard to bleeding on probing and gingival recession: Article #3.

## **3) Implant Success**

With approximately 10 % annual growth (in the last fifteen years), dental implants are the most rapidly expanding segment of the global medical device sector. However, researchers and clinicians have started to experience several clinical problems related to the implant success. The most important of these issues is with implant survival, which has resulted in a greater discomfort and expense for those patients who have to go for re-treatment of a failing implant supported dentition.

Recent research has focused on two of the most important issues to improve the implant stability and clinical health. They are 1.) the need for keratinized tissue around dental implants and 2.) methods to



improve osseointegration.

Article #11 is a systematic review and a meta analysis of the need for keratinized gingival tissue to maintain the peri-implant health. This is one of the very few systematic review supporting the concept with evidence based research that the amount of keratinized gingiva has a strong impact on the maintenance of a healthy implant supported restoration.

Soft tissue is not the only issue when it comes to dental implants. Since they are embedded in bone, we focused on implant surface modification analyzing the surrounding healing and biology. Understanding the healing process during the early times after implant installation is of paramount importance for the success of our therapy. For this reason, we tried to achieve a better and more predictable osseointegration of dental implants.

Implant surface coating may improve and speed up the healing process. One of the critical factors in bone remodeling and osteogenesis is the early bone healing at the bone-implant interface. A thorough characterization of the effects and processes occurring in bone healing around implants is required to influence bone healing early in the process. The results of this research focused on the cellular responses at early time points after the placement of an implant where the surface was designed and coated in order to improve the serum protein absorption. This study improves our understanding of how the biology can be modified around the implant surface for a more predictable osseointegration: Article #15

Later, in Article 12, I helped develop a protocol to investigate the healing process between a novel surface of the healing abutment portion of the implant at the soft tissue interface. This canine study examined a novel implant-abutment system design, combining platform switching with precisely configured laser-ablated abutment and implant microgrooves to maintain inter-implant crestal bone at different inter-implant distances. Results of this initial preclinical study suggest that it is possible through precise implant/abutment design modifications to place adjacent implants without inducing subpapillary crestal bone loss. This study improves our understanding of how a laser ablated surface with a series of precision-engineered cell-sized channels may have an impact not only in the cell to cell communications but also how oriented matrices can provide an avenue by which fibroblasts can align, polarize, and migrate directionally, therefore improving the soft tissue stability around dental implants.

The desire to teach and share information is of paramount importance to me. My future plans are to stay involved in research, teaching, and treating patients. All three of these ventures must work together in harmony like a ring. Starting from a clinical question, to finding the answer through evidence based research, teaching it to your students and finally applying it to your patients in treatment in a quest for better and longer outcomes of therapy. These Three things continue to keep me motivated.