

ISABELLA ROCCHIETTA, DDS

Specialist in Periodontics

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Nationality: Italian
Date of birth: January 25, 1978
Languages: Italian, English and French

WORK EXPERIENCE

From 2015 Senior Clinical Associate at LCIAD, London Centre for Implants and Aesthetic Dentistry, London, U.K.
From 2012 Clinical Associate at Dawood and Tanner Specialist Dental Practice, London, U.K.
From 2007 Research Consultant, Institute for Dental Research and Education, Milan, Italy
From 2003 Instructor in Periodontology and Implant Dentistry, Departments of Periodontics and Implants, University of Milan (Chairman Prof. M. Simion), Milan, Italy
From 2002 Private Practitioner in Periodontics and Implant Dentistry, Milan, Italy
2004-2005 Research Fellow, Department of Periodontics, Harvard School of Dental Medicine, Boston, MA (Director Dr. J. Fiorellini) (Scholarship Awarded by University of Milan)
March - May 2003 Visiting Student, International Student Periodontal Program, New York University, New York, NY
2000 - 2003 Founder and Clinical Intern, Disable Advanced Medical Assistance (DAMA), San Paolo Hospital, Milan, Italy
1999 Clinical Intern, Department of Comprehensive Care, San Paolo Hospital, Milan, Italy
1998 - 1999 Clinical Intern, Private Practice "Orthodont", Milan
1998 - 2002 Interns, Departments of Periodontics and Implants, University of Milan, San Paolo Hospital, Milan, Italy

TEACHING EXPERIENCE

From 2014 Lecturer for Diploma in Implant Dentistry, The Eastman Dental Institute, UCL, London.
2003-2011 Instructor and Examiner in Periodontics and Implant Dentistry (Prof. M. Simion), Dental School, University of Milan, Italy
2003-2011 Instructor and Examiner in Periodontics and Implant Dentistry (Prof. F. Santoro), Post-Graduate Program in Orthodontics, University of Milan, Italy

EDUCATION

2015 Specialist in Periodontics recognition by merit by the General Dental Council, London, U.K.
From 2015 Completing MSc in Restorative and Aesthetic Dentistry, University of Manchester, U.K.
From 2013 PhD student at Department of Biomaterials, Institute for Clinical Sciences, The Sahlgrenska Academy, University of Gothenburg Gothenburg, Sweden
2003 Licensed as Doctor and Dental Surgeon with the Italian Association of Medical Doctors and Dentists
1996 - 2002 Graduate Degree (Full Marks), Dental School, University of Milan, Milan, Italy
Final Dissertation on "Root Coverage Procedures - State of the Art" (Tutor Prof. R. Weinstein)
1983-1996 Undergraduate Degree, Advanced Levels (Chemistry, Physics, Maths and French) Sir James Henderson British School of Milan, Italy

MEMBERSHIPS AND ASSIGNMENTS WITH PROFESSIONAL SOCIETIES

2016 Member of the Scientific Committee of the EAO Annual Meeting, Paris, France
2012 Member of the Scientific Committee of the EAO Annual Meeting, Copenhagen, Denmark
From 2011 Member of the Osteology Expert Council, Osteology Foundation, Switzerland
2010 Member of the Scientific Committee of the EAO Annual Meeting, Glasgow, U.K.
2007-2011 Chairman of the European Association for Osseointegration Junior Committee (EAO)

From 2003 Member of the Academy of Osseointegration
From 2003 Member of the Italian Society of Periodontology

INVITED WORKSHOP - CONSENSUS CONFERENCES

2015 European Academy of Osseointegration, EAO Consensus Conference, Reviewer in “Implants in vertically augmented bone versus short Implants; a systematic review, Switzerland
2015 Nobel Biocare Advisory meeting as opinion leader, Switzerland
2013 OraPharma Advisory meeting as opinion leader on bone regeneration, New York, U.S.
2012 European Academy of Osseointegration, EAO Consensus Conference, Switzerland
2011 Scientific Round Table Membranes Geistlich, Lucerne, Switzerland
2011 8th European Workshop in Periodontology, European Federation for Periodontology (EFP), Reviewer in “The Quality and Methodology of Clinical Research in Risk factor research Studies”, La Granja, Spain
2011 Osteology Research Academy, Core Module, Instructor on Preclinical Models for Horizontal and Vertical Ridge Augmentation, Lucerne, Switzerland
2009 European Academy of Osseointegration, EAO Consensus Conference, Switzerland
2008 Scientific Round Table Membranes, Geistlich, Lucerne, Switzerland
2008 6th European Workshop on Periodontology, European Federation for Periodontology (EFP), European Academy of Periodontology, Reviewer in “Clinical Outcomes of Vertical Bone Augmentation to Enable Dental Implant Placement: a Systematic Review”, Ittingen, Switzerland

ORAL PRESENTATIONS AS INVITED SPEAKER

2015

- *Creating the ideal site through tissue augmentation.* Nobel Biocare UK & Ireland Team Conference, London, U.K.
- *G.B.R. Keep it simple and predictable.* Hands-on course and full day lecture. Geistlich training day. London, U.K.
- *Lesson on esthetic and functional management of deficient ridges with vertical ridge augmentation.* Italian Academy of Esthetic Dentistry V International annual meeting, Venezia, Italy.
- *Bone regenerative therapies: histology, clinics and long term results. What is the state of the art?* IN 2015 Latin American Osseointegration Congress to celebrate 50 years of Osseointegration with P.I. Branemark. Sao Paulo, Brazil.
- *Block grafts for augmentation; The reality of the future.* BioGraft full day hands-on pioneer event, Geistlich, London, U.K.
- *Management of severe alveolar defects with vertical ridge augmentation; what is changing?* Full day lecture, Mexican Society of Periodontology International meeting, Queretaro, Mexico.
- *Can we regenerate bone without bone?* XI Congress of Polish Osseointegration Association, Warsaw, Poland.
- *Implant Dentistry Moving Forwards; Experience, Evidence, Excellence.* ADI Team Congress, Glasgow, U.K.

2014

- *Bone and soft tissue regeneration in the anterior area.* The art of Implantology meeting AlphaBioTec Global Training Centre, Amsterdam, NE.
- *Horizontal Bone regeneration reducing patients' morbidity.* Hands-on course and full day lecture. Geistlich training day. London, U.K.
- *Aesthetic outcomes after implant placement with regards to soft tissue.* Embassy suite Palm Desert, California, U.S.

- *Bone regeneration in the anterior sites; from small to large.* Lecture and recording for e-learning, gIDE, global Institute for Dental Education, Los Angeles, U.S.
- *3D Bone regeneration; what is changing?* Lecture and recording for e-learning, gIDE, global Institute for Dental Education, Los Angeles, U.S.
- *Bone Regeneration in Compromised Patients; Is it still a Challenge?* American Academy of Esthetic Dentistry, AAED, Santa Barbara, California, U.S.
- *Horizontal and Vertical Bone Augmentation with Membranes.* Spanish Society of Periodontology, SEPA, Valladolid, Spain
- *Implantology and Bone grafts.* Full day course, Postgrado Clinico en Implantologia Oral, Oviedo, Spain
- *Sinus grafting, Vertical grafting and Socket preservation.* Full day hands-on course, SIMKO, Moscow, Russia

2013

- *How to Select Pre-Clinical Models for Vertical Ridge Augmentation,* International Osteology Symposium Monaco, France
- *Tissue Engineering: Can we Apply it Clinically?* Quintessence Bone Symposium, Boston, U.S.A.
- *Bone Regeneration in Severe Cases; Management of Posterior and Anterior Areas with the Use of New Techniques.* 3rd International Neodent Congress, Curitiba, Brasil.
- *A New Bone Bone Grafting Material Bridging Gaps in Clinical Bone Regeneration,* European Association fo Osseointegration, EAO, Dublin, Ireland.
- *3D Tissue Regeneration; Fiction or Reality?* , European Association fo Osseointegration, EAO, Dublin, Ireland.
- *Bone Regeneration in Severe Cases; Management with the use of New Techniques.* Association for Dental Implantology, ADI, Edinburgh, Scotland, U.K.
- *Implants in Ccompromised Patients.* Full day course, SIMKO, Moscow, Russia.
- *Vertical ridge Augmentation- Where are we?* London Dental Study Club, London.
- *Tissue Engineering applied to the Clinical Everyday Work,* postgraduate course in dental Implantology, Eastman Dental School, London, U.K.

2012

- *The Role of Guided Bone Regeneration in Ridge Augmentation,* Europerio 7, Vienna, Austria
- *Periosteum or Membrane over Growth Factor Grafts?* Plenary session lecture, Academy of Osseointegration AO annual meeting, Phoenix, Arizona
- *Influence of Growth Factors on Implant Reconstructions.* Limited attendance course, Academy of Osseointegration AO annual meeting, Phoenix, Arizona
- *Tissue Engineering for the Clinician,* Osteohealth Corporate Forum, joint lecture with prof. M. Nevins, Academy of Osseointegration AO annual meeting, Phoenix, Arizona
- *Aumento Verticale ed Orizzontale; Tecnica Chirurgica e Ricerca,* ANDI Genova, Italy.
- *Complications in Advanced Guided Bone Regeneration: How do we manage them? II* International Congress in Implantology, Madrid, Spain.
- Organiser of the 2nd EAO Junior Summer Camp, Venice, Italy

- *Esthétique Péri-Implantaire*, Société Française de Parodontologie et d'Implantologie Orale, SFPIO, Paris, France.
 - *Human Factors in Implant Dentistry*; chairman of plenary session, EAO annual meeting, Copenhagen, Denmark
 - *Ideas Worth Spreading according to the EAO Junior Committee*; chairman of plenary session, EAO annual meeting, Copenhagen, Denmark.
- 2011**
- *Influence of Hard and Soft Tissue Augmentation Procedures on Loading Protocols*, EAO Annual Meeting, Athens, Greece
 - *Avoiding and Managing Poor Implant Positioning*, Chairman of Pre-Congress Course, EAO Annual Meeting, Athens, Greece
 - *Future Avenues of Bone Augmentation*, Osteology International Symposium, Cannes, France
 - *Review of GBR*, University of Milan and the Japan Institute for Advanced Dental Studies, Dr. Ono, Milan, Italy
 - *Pre Clinical Models for Vertical and Horizontal bone augmentation*, Osteology Research Academy, Lucern, Switzerland
 - *Vertical Bone Regeneration Using Growth Factors*, EDI OSIS International Meeting, Warsaw, Poland
 - *Le Nuove Frontiere della Rigenerazione dei Tessuti Duri e Molli*, Societa' Implantologia Orale, SIO, Bologna, Italy.
 - *La régénération osseuse guide pour l'augmentation verticale est elle nécessaire ?*, Société Française de Parodontologie et d'Implantologie Orale, SFPIO, Aix-en-Provence, France
 - *Augmentation des tissus durs et mous, Perspectives à visée esthétique*, Société Française de Dentisterie Esthétique, SFDE, Paris, France
 - *Préservation alvéolaire: le point sur la littérature*, ADF, Paris, France
 - *When and Why Do You Use Bone Grafts?*, Italian Society of Maxillofacial Surgeons, Como, Italy
 - *Vertical Ridge Augmentation, State of the Art and Futuristic Techniques*, International Implant Symposium, Jordan.
- 2010**
- *Soft Tissue Management Following Vertical and Lateral Augmentations*, 11th Symposium of Experts "Innovation in Implantology", Dusseldorf, Germany
 - *Vertical Ridge Augmentation; Indications, Technique And Risks*, 11th Symposium of Experts "Innovation in Implantology", Dusseldorf, Germany
 - *Vertical augmentation; the future*, Nobel Biocare NYC Global Symposium, New York, NY
 - Chairman and Organiser of the 1st EAO Junior Summer Camp, Venice, Italy
 - *Vertical Ridge Augmentation in Daily Practice*, Advanced Implant Course (held by Dr. F. Renouard), Nimes, France
 - *Bone Augmentation with Growth Factors*, Half - Day Course, Belgian Society of Periodontology, Spa, Belgium
 - Chairman of the Plenary Session on *Controversial Issues in Implant Dentistry*, EAO Annual Meeting, Glasgow, U.K.
 - Case Discussions, Nobel Biocare Corporate Forum, EAO Annual Meeting, Glasgow, U.K.
 - Organiser Summer Camp Session During the EAO Annual Meeting, Glasgow, UK
 - Geistlich Satellite Symposium on *Bone Regeneration in Complex Cases*, Como, Italy
- 2009**
- *Esthetic Management of the Anterior Maxillae*, French Society of Periodontology and Implant Dentistry, Nice, France
 - *Vertical Bone Regeneration: New Techniques*, Osteology Valencia, Spain
 - *New frontiers in vertical ridge augmentation*, Osteology Rome, Italy
 - Case Discussions, Nobel Biocare Corporate Forum, EAO Annual Meeting, Monaco, France
- 2008**
- *Vertical Ridge Augmentation Procedures*, Collegio dei Docenti, Rome, Italy
 - *Different Methods to Enhance Bone Vertically*, SICOI (Italian Society of Oral Surgery and Implant

Dentistry), Milan, Italy

- 2007
- *Preclinical Study of Vertical Ridge Augmentation Using Bone Substitute Material in Combination with Growth Factors*, Osteology International Symposium, Monaco, France
 - *Bone Regeneration via Rh-PDGF-BB: Back Scattered Electron Microscope Analysis*, European Association of Osseointegration (EAO), Barcelona, Spain
- 2004
- *Guided Bone Regeneration in the Treatment of Fenestrations and Dehiscence Defects*, Collegio dei Docenti, Rome, Italy

PUBLICATIONS – ARTICLES

- 2015 Nisand D, Picard N, **Rocchietta I**. Short implants compared to implants in vertically augmented bone: A systematic review. *Clin Oral Implant Res* 2015, June.

Rocchietta I, Simion M, Hoffmann M, Trisciuglio D, Benigni M, Dahlin C. Vertical Bone Augmentation with an Autogenous Block or Particles in Combination with Guided Bone Regeneration: A Clinical and Histological Preliminary Study in Humans. *Clin Implant Dent Relat Res*. 2015

2013

Nevins M, Heinemann F, Janke UW, Lombardi T, Nisand D, **Rocchietta I**, Santoro G, Schupbach P, Kim DM. *Equine-derived bone mineral matrix for maxillary sinus floor augmentation: a clinical, radiographic, histologic, and histomorphometric case series*. *Int J Periodontics Restorative Dent*. 2013 Jul-Aug;33(4):483-9.

- 2012 **Rocchietta I**, Nisand D. *A review assessing the quality of reporting of risk factor research in implant dentistry using smoking, diabetes and periodontitis and implant loss as an outcome: critical aspects in design and outcome assessment*. *J Clin Periodontol*. 2012 Feb;39 Suppl 12:114-21

Klinge B, Meyle J; Working Group 2 of the third EAO Consensus Conference 2012.. *Peri-implant tissue destruction*. *Clin Oral Implants Res*. 2012 Oct;23 Suppl 6:108-10.

Tonetti M, Palmer R; Working Group 2 of the VIII European Workshop on Periodontology.

Clinical research in implant dentistry: study design, reporting and outcome measurements: consensus report of Working Group 2 of the VIII European Workshop on Periodontology. *J Clin Periodontol*. 2012 Feb;39 Suppl 12:73-80

Simion M, **Rocchietta I**, Fontana F, Dellavia C. *Evaluation of a Resorbable Collagen Matrix Infused with rh-PDGF-BB in Peri-Implant Soft Tissue Augmentation. A Preliminary Report with 3.5 Years Observation*. *International Journal Periodontics Rest. Dent*. 2012 Jun;32(3):273-82

Rocchietta I, Schupbach P, Ghezzi C, Maschera E, Simion M., *Soft Tissue Integration of a Porcine Collagen Membrane; An Experimental Study in Pigs*, *International Journal Periodontics Rest. Dent*. 2012 Feb;32(1):e34-40

Jung RE, Kapos T, Nicol A, Nisand D, Palarie V, Payer M, **Rocchietta I**, Schwarz F, *EAO Summer Camp: A Facilitated Sharing Experience*, *Clin Oral Implants Res*. 2012 Feb;23(2):257-60

- 2011 Nevins M, Camelo M, De Angelis N, Hanratty JJ, Khang WG, Kwon JJ, Rasperini G, **Rocchietta I**, Schupbach P, Kim DM. *The clinical and histologic efficacy of xenograft granules for maxillary sinus floor augmentation*. *Int J Periodontics Restorative Dent*. May-Jun;31(3):227-35.

Fontana F, Maschera E, **Rocchietta I**, Simion M. *Clinical classification of complications in guided bone regeneration procedures by means of a nonresorbable membrane*. *Int J Periodontics Restorative Dent*. May-Jun;31(3):265-73.

Fontana F, **Rocchietta I**, Addis A, Schupbach P, Zanotti G, Simion M., *Effects of a Calcium Phosphate Coating on the Osseointegration of Endosseous Implants in a Rabbit Model*, *Clin Oral Implants Res*. Jul;22(7):760-766

- 2009 **Rocchietta I**, Fontana F, Addis A, Schupbach P, Simion M., *Surface Modified Zirconia Implants: Tissue Response in Rabbits*, *Clin Oral Implant Res.*, 20; 844–850

Simion M, Nevins M, **Rocchietta I**, Fontana F, Maschera E, Scupbach P, Kim D, *Vertical Ridge Augmentation Utilizing an Equine Block Infused with Rh-PDGF-BB: A Histologic Study in a Canine Model*,

International Journal Periodontics Rest. Dent., 29(3):245-255

Klinge B, Flemmig TF, Working Group 3, *Tissue Augmentation and Esthetics*, Clin. Oral Implants Res., 20 Suppl 4:166-70

- 2008** Simion M, **Rocchietta I**, Monforte M, Maschera E, *Three Dimensional Alveolar Bone Reconstruction by Means of a Combination of Rh-PDGF-BB and Guided Bone Regeneration: A Case Report*, Int. J. Periodontics Restorative Dent., 28(3):239-43

Rocchietta I, Fontana F, Simion M., *Clinical Outcomes of Vertical Bone Augmentation to Enable Dental Implant Placement: a Systematic Review*, Proceedings of the 6th Workshop in Periodontology and Implant Dentistry, J. Clin Periodontol., 35(8 Suppl):203-15

Tonetti MS, Hämmerle CH, European Workshop on Periodontology Group C, *Advances in Bone Augmentation to Enable Dental Implant Placement: Consensus Report of the Sixth European Workshop on Periodontology*, J. Clin Periodontol., 35(8 Suppl):168-72

Fontana F, **Rocchietta I**, Dellavia C, Simion M., *Biocompatibility and Manageability of a New Fixable Bone Graft for the Treatment of Localized Bone Defect. A Preliminary Study in a Dog Model*, International Journal Periodontics Rest. Dent., 8(6):601-7

Rasperini G, Pellegrini G, Cortella A, **Rocchietta I**, Consonni D, Simion M, *The Safety and Acceptability of an Electric Toothbrush on Peri-Implant Mucosa in Patients with Oral Implants in Aesthetic Areas: a Prospective Cohort Study*, Eur. J. Oral Implantol., 1(3):221-8

- 2007** Simion M., Dahlin C., **Rocchietta I**, Stavropoulos A., Sanchez R., Karring T, *Vertical Ridge Augmentation with Guided Bone Regeneration in Association with Dental Implants: an Experimental Study in Dogs*, Clin. Oral Implants Res. 18(1):86-94

Simion M, **Rocchietta I**, Dellavia C, *Three Dimensional Ridge Augmentation with Xenograft and Rh-PDGF-BB in Humans: Report of Two Cases*, International Journal Periodontics Rest. Dent., 27(2):109-15

Rocchietta I, *The Biological Principles of Guided Bone Regeneration*, Journale de Parodontologie & d'Implantologie Orale, 26(1):65-78

Rocchietta I, Bellucci G, Ennas M, *Peri-Implant Soft Tissue Management*, Journale de Parodontologie & d'Implantologie Orale, 26(1):7-13

Rocchietta I, Maschera E, Monforte M, Simion M, *Rigenerazione ossea mediata da fattori di crescita (PDGF): l'ingegneria tissutale. Aggiornamento monografico*, Il Dentista Moderno, XXV (1): 28-36

Rocchietta I, Fontana F, Maschera E, Monforte M, Zanellato M, Simion M, *Rigenerazione Ossea Verticale: Revisione della Letteratura*, Il Dentista Moderno, 166-173

Rocchietta I, Dellavia C, Nevins M, Simion M, *Bone Regenerated via Rh-PDGF-BB and a Xenograft: Back Scattered Electron Microscope Element Analysis*, International Journal Periodontics Rest. Dent., 27(6):539-45

- 2006** Simion M, **Rocchietta I**, Kim D, Nevins M, Fiorellini J, *Vertical Ridge Augmentation by Means of a Deproteinized Bovine Bone Block and Rh-PDGF-BB: A Histologic Study in a Dog Model*, International Journal Periodontics Rest. Dent., 26(5):415-23

- 2003** Pilloni A, Rasperini G, **Rocchietta I**, Simion M, *Rigenerazione guidata dei tessuti con una barriera polilattica/poliglicolica (FISIOGRAFT®) nel trattamento di deiscenze e/o fenestrazioni implantari: studio clinico controllato ad un anno*, Italian Journal of Osseointegration, 1:58-64

PUBLICATIONS – BOOK CHAPTERS

- 2014** **Rocchietta I**, Nisand D, Simion M, *Vertical Ridge Augmentation in Osteology Guidelines for Oral and Maxillofacial Regeneration : Clinical Research*, Edited by W. Giannobile, N.P. Lang and M. Tonetti Osteology Foundation Research Handbook, Quintessence Publishing Co. Inc

- 2011** **Rocchietta I**, Kim DM, Alhezaimi K, Simion M, *Vertical Ridge Augmentation in Guidelines for Oral and Maxillofacial Regeneration : Preclinical Models for Translational Research*, Edited by Myron Nevins and William Giannobile, Osteology Foundation Research Handbook, Quintessence Publishing Co. Inc

- 2010** Fontana F, **Rocchietta I**, Simion M, *Complications in Guided Bone Regeneration in Dental Implant*

Complications; Etiology, Prevention and Treatment, Edited by Stuart G Froum, Wiley-Blackwell Publishing

- 2009** Simion M, **Rocchietta I**, *Vertical Ridge Augmentation by Means of Guided Bone Regeneration; Past, Present and Future in 20 Years of Guided Bone Regeneration in Implant Dentistry*, Edited by Daniel Buser, Quintessence Publishing Co. Inc
- 2008** Simion M, **Rocchietta I**, *Vertical Ridge Augmentation in Tissue Engineering: Applications in Oral and Maxillofacial Surgery and Periodontics*, Second Edition, Edited by Samuel E. Lynch, Leslie A. Wisner-Lynch, Myron Nevins and Robert E. Marx, Quintessence Publishing Co. Inc
- 2004** **Rocchietta I**, *La biologia della rigenerazione ossea in Dalla rigenerazione guidata tissutale alla rigenerazione ossea guidata*, Edited by Massimo Simion, Carlo Maiorana and Giulio Rasperini, Erre e Erre ADV Publishing
- 2003** **Rocchietta I**, *Innesti gengivali liberi in La chirurgia mucogengivale finalizzata alla ricopertura radicolare*, Edited by Massimo Simion, Carlo Maiorana, Giulio Rasperini Erre e Erre ADV Publishing
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