

CURRICULUM VITAE DEL PROF. UGO COVANI

- **Medico Chirurgo e Odontoiatra** - Specialista in Chirurgia ed in Stomatologia
- **Professore Ordinario** f.r. di Malattie odontostomatologiche dell'Università di Pisa
- Presidente della Fondazione Istituto Stomatologico Toscano ONLUS
- Direttore scientifico dei Programmi post-universitari di Odontoiatria di Unicamillus – International Medical University of Rome – presso l'Istituto Stomatologico Toscano
- Direttore del Centro Odontoiatrico Fortis della Casa di Cura San Camillo – Forte dei Marmi
- già Direttore del Centro di Odontoiatria dell'Ospedale Unico della Versilia (2006/16)
- Adjunct professor and Co-Director of Advanced Surgical Training Summer Programs for Italian Dentists - Dept. Oral and Maxillo-facial Surgery – State University of New York at Buffalo (USA) - 1996/2016
- Past-President della Società Italiana di Chirurgia Orale, dell'European Board of Oral Surgery e dell'Italian Academy of Osseointegration
- Autore di oltre 300 pubblicazioni, metà delle quali su riviste internazionali
- Ha dato alle stampe 5 libri e 6 capitoli di libro in campo odontostomatologico.
- È o è stato docente in numerosi corsi di perfezionamento/master presso numerose Università italiane e straniere: Ancona, Bari, Buffalo NY, Campania Vanvitelli, Catania, Chieti, Coimbra, Foggia, Genova, Granada, Lisbona Egas Moniz, Madrid Complutense, Milano Bicocca, Milano San Raffaele, Milano Statale, Messina, Napoli, Padova, Palermo, Roma Sapienza, Siviglia, Valencia.

Titoli di studio

Laurea in Medicina e Chirurgia, Pisa 1974

Diploma di Specializzazione in Chirurgia Generale, Pisa 1979

Diploma di Specializzazione in Odontostomatologia, Pisa 1985

Certificato di Abilitazione nazionale a Primario Chirurgo, Roma 1985

Diploma di Perfezionamento in Chirurgia parodontale e Implantologia, Genova 1991

Diplome d'Université de Stomatologie legale, Toulouse 2000

Esperienze pregresse

Professore Ordinario e titolare degli Insegnamenti di Implantologia e Protesi dentaria dell'Università di Pisa (2008/18)

Direttore del Centro di Odontoiatria dell'Ospedale Unico della Versilia (2006/16)

Professore associato e titolare della Cattedra di Patologia Speciale Odontostomatologica dell'Università di Genova (2001/08)

Professore a contratto presso la Cattedra di Parodontologia dell'Università di Pisa (1998/2000)

Consulente chirurgo presso il servizio di Odontoiatria dell'Ospedale San Raffaele di Milano (1995/2000)

Docente di didattica tutoriale e Professore a contratto presso la Cattedra di Protesi dentaria dell'Università di Milano (1995/98)

Insegnante e Professore a contratto presso la Clinica Odontoiatrica dell'Università di Genova (1984/1995)

Assistente di Chirurgia Generale presso gli Ospedali di Massa e Camaiore (1974/84)

Attività di ricerca

Riduzione dei tempi di terapia in implantologia con particolare riferimento al posizionamento immediatamente post-estrattivo degli impianti ed al loro carico immediato

Studio della guarigione alveolare dopo l'estrazione

Controllo dell'infezione dentale ed implantare mediante l'utilizzo di dispositivi laser

Tecnologie avanzate della ricostruzione ossea in odontostomatologia

Interazioni biologiche delle superfici implantari

Pubblicazioni degli ultimi 5 anni

1. Menchini-Fabris GB, Crespi R, Toti P, Crespi G, Rubino L, Covani U. A 3-year retrospective study of fresh socket implants: CAD/CAM customized healing abutment vs cover screws. *Int J Comput Dent.* 2020;23(2):109-117. PMID: 32555764.
2. Marconcini S, Giammarinaro E, Covani U. The timeliness of ozone in the COVID era. *Eur Rev Med Pharmacol Sci.* 2020 May;24(9):4625-4626. Doi:10.26355/eurrev_202005_21146. PMID: 32432725.
3. Crespi R, Toti P, Covani U, Crespi G, Brevi B, Menchini-Fabris GB. Bone Assessment in Grafted and Ungrafted Sockets After Dental Implant Placement: A 10-year Follow-up Study. *Int J Oral Maxillofac Implants.* 2020 May/Jun;35(3):576-584. doi: 10.11607/jomi.7969. PMID: 32406656.
4. Covani U, Giammarinaro E, Marconcini S. Alveolar socket remodeling: The tug-of-war model. *Med Hypotheses.* 2020 Apr 20;142:109746. doi: 10.1016/j.mehy.2020.109746. Epub ahead of print. PMID: 32344287.

5. Menchini-Fabris GB, Marconcini S, Giammarinaro E, Barone A, Toti P, Covani U. Extension implants in the atrophic posterior maxilla: 1-year results of a retrospective case-series. *J Dent Sci.* 2020 Mar;15(1):9-13. doi: 10.1016/j.jds.2018.11.009. Epub 2020 Jan 6. PMID: 32256994; PMCID: PMC7109493.
6. Tonlorenzi D, Brunelli M, Conti M, Covani U, Traina G. An observational study of the effects of using an high oral splint on pain control. *Arch Ital Biol.* 2019 Sep 30;157(2-3):66-75. doi: 10.12871/00039829201923. PMID: 31821530.
7. Canullo L, Tallarico M, Gracis S, Vela X, Rodriguez X, Covani U. Clinica Considerations on Strategies That Avoid Multiple Connections and Disconnections of Implant Abutments. *Int J Periodontics Restorative Dent.* 2020 Jan/Feb;40(1):9-17. doi: 10.11607/prd.3642. PMID: 31815968.
8. Marconcini S, Giammarinaro E, Cosola S, Genovesi AM, Covani U. Mandibular Osteonecrosis Associated with Antacid Therapy (Esomeprazole). *Eur J Case Rep Intern Med.* 2019 Oct 14;6(10):001279. doi: 10.12890/2019_001279. PMID: 31742205; PMCID: PMC6822666.
9. Marconcini S, Denaro M, Cosola S, Gabriele M, Toti P, Mijiritsky E, Proietti A, Basolo F, Giammarinaro E, Covani U. Myofibroblast Gene Expression Profile after Tooth Extraction in the Rabbit. *Materials (Basel).* 2019 Nov 9;12(22):3697. doi: 10.3390/ma12223697. PMID: 31717520; PMCID: PMC6888118.
10. Menchini-Fabris GB, Covani U, Crespi G, Toti P, Brevi B, Crespi R. Customized vs Conventional Implant-Supported Immediate Provisional Crowns for Fresh-Socket Implant: A Medium-Term Cone Beam Computed Tomography Study. *Int J Oral Maxillofac Implants.* 2019 Nov/Dec;34(6):1505-1511. doi: 10.11607/jomi.7199. PMID: 31711090.
11. Marconcini S, Giammarinaro E, Covani U, Mijiritsky E, Vela X, Rodríguez X. The Effect of Tapered Abutments on Marginal Bone Level: A Retrospective Cohort Study. *J Clin Med.* 2019 Aug 24;8(9):1305. doi: 10.3390/jcm8091305. PMID: 31450607; PMCID: PMC6780335.
12. Ravidà A, Wang IC, Sammartino G, Barootchi S, Tattan M, Troiano G, Laino L, Marenzi G, Covani U, Wang HL. Prosthetic Rehabilitation of the Posterior Atrophic Maxilla, Short (≤ 6 mm) or Long (≥ 10 mm) Dental Implants? A Systematic Review, Meta-analysis, and Trial Sequential Analysis: Naples Consensus Report Working Group A. *Implant Dent.* 2019 Dec;28(6):590-602. doi:10.1097/ID.0000000000000919. PMID: 31274666.
13. Canullo L, Menini M, Covani U, Pesce P. Clinical outcomes of using a prosthetic protocol to rehabilitate tissue-level implants with a convergent collar in the esthetic zone: A 3-year prospective study. *J Prosthet Dent.* 2020 Feb;123(2):246-251. doi: 10.1016/j.prosdent.2018.12.022. Epub 2019 Jun 18. PMID: 31227242.
14. Crespi R, Fabris GBM, Crespi G, Toti P, Marconcini S, Covani U. Effects of different loading protocols on the bone remodeling volume of immediate maxillary single implants: A 2- to 3-year follow-up. *Int J Oral Maxillofac Implants.* 2019 July/August;34(4):953-962. doi: 10.11607/jomi.6972. Epub 2019 Apr 1. PMID:30934043.
15. Cosola S, Giammarinaro E, Genovesi AM, Pisante R, Poli G, Covani U, Marconcini S. A short-term study of the effects of ozone irrigation in an orthodontic population with fixed appliances. *Eur J Paediatr Dent.* 2019 Mar;20(1):15-18. doi: 10.23804/ejpd.2019.20.01.03. PMID: 30919638.
16. Menchini-Fabris GB, Covani U, Toti P, Marconcini S, Barone A, Martuscelli R. A methodological approach to standardize and control the quality of the position and alignment of lamina implants on two-dimensional radiographs. *Oral Radiol.* 2020 Jul;36(3):288-306. doi: 10.1007/s11282-019-00374-5. Epub 2019 Feb 4. PMID:30715653.
17. Marconcini S, Covani U, Giammarinaro E, Velasco-Ortega E, De Santis D, Alfonsi F, Barone A. Clinical Success of Dental Implants Placed in Posterior Mandible Augmented With Interpositional Block Graft: 3-Year Results From a Prospective Cohort Clinical Study. *J Oral Maxillofac Surg.* 2019 Feb;77(2):289-298. doi: 10.1016/j.joms.2018.09.031. Epub 2018 Oct 4. PMID: 30712534.
18. Crespi R, Marconcini S, Crespi G, Giammarinaro E, Menchini Fabris GB, Barone A, Covani U. Nonsurgical Treatment of Peri-implantitis Without Eliminating Granulation Tissue: A 3-Year Study. *Implant Dent.* 2019 Feb;28(1):4-10. doi: 10.1097/ID.0000000000000832. PMID: 30363048.

19. Marconcini S, Giammarinaro E, Derchi G, Alfonsi F, Covani U, Barone A. Clinical outcomes of implants placed in ridge-preserved versus nonpreserved sites: A 4-year randomized clinical trial. *Clin Implant Dent Relat Res*. 2018 Dec;20(6):906-914. doi: 10.1111/cid.12682. Epub 2018 Oct 11. PMID: 30307130.
20. Giammarinaro E, Marconcini S, Genovesi A, Poli G, Lorenzi C, Covani U. Propolis as an adjuvant to non-surgical periodontal treatment: a clinical study with salivary anti-oxidant capacity assessment. *Minerva Stomatol*. 2018 Oct;67(5):183-188. doi: 10.23736/S0026-4970.18.04143-2. PMID: 30182639.
21. Derchi G, Borgia V, Manca E, Barone A, Loi I, Covani U. A novel approach to treat gingival recession and non-carious cervical lesion combined defects: Restoration guided creeping attachment (RGCA) technique. A case report. *Quintessence Int*. 2018;49(6):445-450. doi: 10.3290/j.qi.a40254. PMID: 29662973.
22. Cosola S, Marconcini S, Giammarinaro E, Poli GL, Covani U, Barone A. Oral health-related quality of life and clinical outcomes of immediately or delayed loaded implants in the rehabilitation of edentulous jaws: a retrospective comparative study. *Minerva Stomatol*. 2018 Oct;67(5):189-195. doi: 10.23736/S0026-4970.18.04134-1. Epub 2018 Apr 16. PMID: 29660976.
23. Quaranta A, Marchisio O, D'isidoro O, Genovesi AM, Covani U. Single-blind randomized clinical trial on the efficacy of an interdental cleaning device in orthodontic patients. *Minerva Stomatol*. 2018 Aug;67(4):141-147. doi: 10.23736/S0026-4970.18.04104-3. Epub 2018 Feb 13. PMID: 29495655.
24. Marconcini S, Giammarinaro E, Toti P, Alfonsi F, Covani U, Barone A. Longitudinal analysis on the effect of insertion torque on delayed single implants: A 3-year randomized clinical study. *Clin Implant Dent Relat Res*. 2018 Jun;20(3):322-332. doi: 10.1111/cid.12586. Epub 2018 Jan 23. PMID: 29359880.
25. Canullo L, Pesce P, Botticelli D, Covani U, Jankovic S, Jovanovic T, Rakic M. What is the Impact of Epstein-Barr Virus in Peri-implant Infection? *Int J Oral Maxillofac Implants*. 2018 Jan/Feb;33(1):58-63. doi: 10.11607/jomi.5972. PMID: 29340343.
26. Toti P, Barone A, Marconcini S, Menchini-Fabris GB, Martuscelli R, Covani U. Pose determination of a blade implant in three dimensions from a single two-dimensional radiograph. *Dentomaxillofac Radiol*. 2018 May;47(4):20170258. doi: 10.1259/dmfr.20170258. Epub 2018 Jan 11. PMID: 29227154; PMCID: PMC5991754.
27. Toti P, Marconcini S, Enrica G, Pedretti G, Barone A, Covani U. The Influence of Prosthesis Design on the Outcomes of Tooth Implants Immediately Placed and Loaded by Means of One-Piece Titanium Machined Restoration. *J Oral Implantol*. 2018 Apr;44(2):87-93. doi: 10.1563/aaid-joi-D-17-00152. Epub 2017 Nov 28. PMID: 29182488.
28. Tallarico M, Caneva M, Meloni SM, Xhanari E, Covani U, Canullo L. Definitive Abutments Placed at Implant Insertion and Never Removed: Is It an Effective Approach? A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *J Oral Maxillofac Surg*. 2018 Feb;76(2):316-324. doi: 10.1016/j.joms.2017.08.025. Epub 2017 Aug 24. PMID: 28923270.
29. Barone A, Toti P, Menchini-Fabris GB, Felice P, Marchionni S, Covani U. Early volumetric changes after vertical augmentation of the atrophic posterior mandible with interpositional block graft versus onlay bone graft: A retrospective radiological study. *J Craniomaxillofac Surg*. 2017 Sep;45(9):1438-1447. doi: 10.1016/j.jcms.2017.01.018. Epub 2017 Jan 25. PMID: 28705523.
30. Menchini Fabris GB, Gelpi F, Giammarinaro E, Velasco Ortega E, Marconcini S, Covani U. A novel CAD/CAM-based surgical template for mandibular osteoplasty and guided implant insertion. *J Biol Regul Homeost Agents*. 2017 APR-JUN;31(2 Suppl. 2):99-106. PMID: 28702970.
31. De Santis D, Menchini Fabris GB, Lotti J, Palumbo C, Ferretti M, Castellani R, Lotti T, Zanotti G, Gelpi F, Covani C, Nocini PF. Bi-layered collagen nano-structured membrane prototype collagen matrix 10826® for soft tissue regeneration in rabbits: an in vivo ultra-structural study of the early healing phase. *J Biol Regul Homeost Agents*. 2017 APR-JUN;31(2 Suppl. 2):91-97. PMID: 28702969.
32. Barone A, Marchionni FS, Cinquini C, Cipolli Panattoni A, Toti P, Marconcini S, Covani U, Gabriele M. Antibiotic treatment to prevent postextraction complications: a monocentric, randomized clinical trial. Preliminary outcomes. *Minerva Stomatol*. 2017 Aug;66(4):148-156. doi: 10.23736/S0026-4970.17.04047-X. Epub 2017 May 31. PMID: 28569454.

33. Marchionni S, Toti P, Barone A, Covani U, Esposito M. The effectiveness of systemic antibiotic prophylaxis in preventing local complications after tooth extraction. A systematic review. *Eur J Oral Implantol.* 2017;10(2):127-132. PMID: 28555203.
34. Toti P, Marchionni S, Menchini-Fabris GB, Marconcini S, Covani U, Barone A. Surgical techniques used in the rehabilitation of partially edentulous patients with atrophic posterior mandibles: A systematic review and meta-analysis of randomized controlled clinical trials. *J Craniomaxillofac Surg.* 2017 Aug;45(8):1236-1245. doi: 10.1016/j.jcms.2017.04.011. Epub 2017 Apr 27. PMID: 28552200.
35. Barone A, Toti P, Menchini-Fabris GB, Derchi G, Marconcini S, Covani U. Extra oral digital scanning and imaging superimposition for volume analysis of bone remodeling after tooth extraction with and without 2 types of particulate porcine mineral insertion: A randomized controlled trial. *Clin Implant Dent Relat Res.* 2017 Aug;19(4):750-759. doi: 10.1111/cid.12495. Epub 2017 May 16. PMID: 28508515.
36. Vano M, Derchi G, Barone A, Pinna R, Usai P, Covani U. Reducing dentine hypersensitivity with nano-hydroxyapatite toothpaste: a double-blind randomized controlled trial. *Clin Oral Investig.* 2018 Jan;22(1):313-320. doi: 10.1007/s00784-017-2113-3. Epub 2017 Mar 30. PMID: 28361171.
37. Alfonsi F, Borgia V, Iezzi G, Piattelli A, Covani U, Tonelli P, Barone A. Molecular, Cellular and Pharmaceutical Aspects of Filling Biomaterials During the Management of Extraction Sockets. *Curr Pharm Biotechnol.* 2017;18(1):64-75. doi: 10.2174/1389201018666161223152607. PMID: 28017140.
38. Barone A, Toti P, Quaranta A, Alfonsi F, Cucchi A, Negri B, Di Felice R, Marchionni S, Calvo-Guirado JL, Covani U, Nannmark U. Clinical and Histological changes after ridge preservation with two xenografts: preliminary results from a multicentre randomized controlled clinical trial. *J Clin Periodontol.* 2017 Feb;44(2):204-214. doi: 10.1111/jcpe.12655. Epub 2017 Jan 10. PMID: 27883211.
39. Derchi G, Vano M, Barone A, Covani U, Diaspro A, Salerno M. Bacterial adhesion on direct and indirect dental restorative composite resins: An in vitro study on a natural biofilm. *J Prosthet Dent.* 2017 May;117(5):669-676. doi: 10.1016/j.prosdent.2016.08.022. Epub 2016 Oct 27. PMID: 27881324.
40. Barone A, Toti P, Marconcini S, Derchi G, Saverio M, Covani U. Esthetic Outcome of Implants Placed in Fresh Extraction Sockets by Clinicians with or without Experience: A Medium-Term Retrospective Evaluation. *Int J Oral Maxillofac Implants.* 2016 Nov/Dec;31(6):1397-1406. doi: 10.11607/jomi.4646. PMID: 27861667.
41. Barone A, Toti P, Quaranta A, Alfonsi F, Cucchi A, Calvo-Guirado JL, Negri B, Di Felice R, Covani U. Volumetric analysis of remodelling pattern after ridge preservation comparing use of two types of xenografts. A multicentre randomized clinical trial. *Clin Oral Implants Res.* 2016 Nov;27(11):e105-e115. doi: 10.1111/clr.12572. Epub 2015 Feb 26. PMID: 25727443.
42. Barone A, Toti P, Bertossi D, Marconcini S, De Santis D, Nocini PF, Iurlaro A, Alfonsi F, Covani U. Gene Expression of Human Mesenchymal Stem Cells Cultured on Titanium Dental Implant Surfaces. *J Craniofac Surg.* 2016 May;27(3):712-7. doi: 10.1097/SCS.0000000000002551. PMID: 27054428.
43. Barone A, Marconcini S, Giammarinaro E, Mijiritsky E, Gelpi F, Covani U. Clinical Outcomes of Implants Placed in Extraction Sockets and Immediately Restored: A 7-Year Single-Cohort Prospective Study. *Clin Implant Dent Relat Res.* 2016 Dec;18(6):1103-1112. doi: 10.1111/cid.12393. Epub 2016 Feb 16. PMID: 26888632.
44. Canullo L, Tallarico M, Radovanovic S, Delibasic B, Covani U, Rakic M. Distinguishing predictive profiles for patient-based risk assessment and diagnostics of plaque induced, surgically and prosthetically triggered peri-implantitis. *Clin Oral Implants Res.* 2016 Oct;27(10):1243-1250. doi: 10.1111/clr.12738. Epub 2015 Nov 20. PMID: 26584716.
45. Canullo L, Schlee M, Wagner W, Covani U; Montegrotto Group for the Study of Peri-implant Disease. International Brainstorming Meeting on Etiologic and Risk Factors of Peri-implantitis, Montegrotto (Padua, Italy), August 2014. *Int J Oral Maxillofac Implants.* 2015 Sep-Oct;30(5):1093-104. doi: 10.11607/jomi.4386. PMID: 26394346.
46. Peñarrocha-Oltra D, Peñarrocha-Diago M, Aloy-Prosper A, Covani U, Peñarrocha M. Immediate Versus Conventional Loading of Complete-Arch Implant-Supported Prosthesis in Mandibles with Failing Dentition: A Patient-Centered Controlled Prospective Study. *Int J Prosthodont.* 2015 Sep-Oct;28(5):499-508. doi: 10.11607/ijp.3951. PMID: 26340010.

47. Canullo L, Peñarrocha-Oltra D, Covani U, Rossetti PH. Microbiologic and Clinical Findings of Implants in Healthy Condition and with Peri-Implantitis. *Int J Oral Maxillofac Implants*. 2015 Jul-Aug;30(4):834-42. doi: 10.11607/jomi.3947. PMID: 26252036.
48. Genovesi A, Barone A, Toti P, Covani U. The efficacy of 0.12% chlorhexidine versus 0.12% chlorhexidine plus hyaluronic acid mouthwash on healing of submerged single implant insertion areas: a short-term randomized controlled clinical trial. *Int J Dent Hyg*. 2017 Feb;15(1):65-72. doi: 10.1111/idh.12158. Epub 2015 Jun 18. PMID: 26084554.
49. Barone A, Alfonsi F, Derchi G, Tonelli P, Toti P, Marchionni S, Covani U. The Effect of Insertion Torque on the Clinical Outcome of Single Implants: A Randomized Clinical Trial. *Clin Implant Dent Relat Res*. 2016 Jun;18(3):588-600. doi: 10.1111/cid.12337. Epub 2015 Jun 5. PMID: 26043651.
50. Peñarrocha-Oltra D, Covani U, Peñarrocha M, Peñarrocha-Diago M. Immediate versus conventional loading with fixed full-arch prostheses in mandibles with failing dentition: a prospective controlled study. *Int J Oral Maxillofac Implants*. 2015 Mar-Apr;30(2):427-34. doi: 10.11607/jomi.3534. PMID: 25830404.
51. Derchi G, Vano M, Peñarrocha D, Barone A, Covani U. Minimally invasive prosthetic procedures in the rehabilitation of a bulimic patient affected by dental erosion. *J Clin Exp Dent*. 2015 Feb 1;7(1):e170-4. doi: 10.4317/jced.51732. PMID: 25810832; PMCID: PMC4368008.
52. Canullo L, Peñarrocha-Oltra D, Covani U, Botticelli D, Serino G, Penarrocha M. Clinical and microbiological findings in patients with peri-implantitis: a cross-sectional study. *Clin Oral Implants Res*. 2016 Mar;27(3):376-82. doi: 10.1111/clr.12557. Epub 2015 Jan 26. PMID: 25622536.
53. Vano M, Derchi G, Barone A, Genovesi A, Covani U. Tooth bleaching with hydrogen peroxide and nano-hydroxyapatite: a 9-month follow-up randomized clinical trial. *Int J Dent Hyg*. 2015 Nov;13(4):301-7. doi: 10.1111/idh.12123. Epub 2015 Jan 20. PMID: 25600272.
54. Peñarrocha-Oltra D, Rossetti PH, Covani U, Galluccio F, Canullo L. Microbial Leakage at the Implant-Abutment Connection Due to Implant Insertion Maneuvers: Cross-Sectional Study 5 Years Postloading in Healthy Patients. *J Oral Implantol*. 2015 Dec;41(6):e292-6. doi: 10.1563/aaid-joi-D 14-00235. Epub 2014 Dec 23. PMID: 25536224.
55. Barone A, Toti P, Giuca MR, Derchi G, Covani U. A gene network bioinformatics analysis for pemphigoid autoimmune blistering diseases. *Clin Oral Investig*. 2015 Jul;19(6):1207-22. doi: 10.1007/s00784-014-1349-4. Epub 2014 Nov 8. PMID: 25378027.
56. Barone A, Toti P, Funel N, Campani D, Covani U. Expression of SP7, RUNX1, DLX5, and CTNNA1 in human mesenchymal stem cells cultured on xenogeneic bone substitute as compared with machined titanium. *Implant Dent*. 2014 Aug;23(4):407-15. doi: 10.1097/ID.0000000000000116. PMID: 25025858.
57. Vano M, Derchi G, Barone A, Covani U. Effectiveness of nano-hydroxyapatite toothpaste in reducing dentin hypersensitivity: a double-blind randomized controlled trial. *Quintessence Int*. 2014 Sep;45(8):703-11. doi: 10.3290/j.qi.a32240. PMID: 25019114.
58. Peñarrocha-Oltra D, Covani U, Peñarrocha-Diago M, Peñarrocha-Diago M. Immediate loading with fixed full-arch prostheses in the maxilla: review of the literature. *Med Oral Patol Oral Cir Bucal*. 2014 Sep 1;19(5):e512-7. doi: 10.4317/medoral.19664. PMID: 24880445; PMCID: PMC4192577.
59. Barone A, Toti P, Quaranta A, Derchi G, Covani U. The Clinical Outcomes of Immediate Versus Delayed Restoration Procedures on Immediate Implants: A Comparative Cohort Study for Single-Tooth Replacement. *Clin Implant Dent Relat Res*. 2015 Dec;17(6):1114-26. doi: 10.1111/cid.12225. Epub 2014 May 22. PMID: 24852761.
60. Covani U, Canullo L, Toti P, Alfonsi F, Barone A. Tissue stability of implants placed in fresh extraction sockets: a 5-year prospective single-cohort study. *J Periodontol*. 2014 Sep;85(9):e323-32. doi: 10.1902/jop.2014.140175. Epub 2014 May 16. PMID: 24835414.
61. Peñarrocha-Oltra D, Peñarrocha-Diago M, Canullo L, Covani U, Peñarrocha M. Patient-reported outcomes of immediate versus conventional loading with fixed full-arch prostheses in the maxilla: a nonrandomized controlled prospective study. *Int J Oral Maxillofac Implants*. 2014 May Jun;29(3):690-8. doi: 10.11607/jomi.3516. PMID: 24818209.

62. Covani U, Marconcini S, Ferrini F, Gelpi F, Finotti M, Barone A, de Santis D. Posttraumatic use of dental implants immediately after tooth extraction: clinical study. *J Craniofac Surg*. 2014 May;25(3):796-8. doi: 10.1097/SCS.0000000000000522. Erratum in: *J Craniofac Surg*. 2014 Jul;25(4):1563. de Santis, Daniele[added]. PMID: 24785746.
63. Nocini PF, Castellani R, Zanotti G, Gelpi F, Covani U, Marconcini S, de Santis D. Extensive keratinized tissue augmentation during implant rehabilitation after Le Fort I osteotomy: using a new porcine collagen membrane (Mucoderm). *J Craniofac Surg*. 2014 May;25(3):799-803. doi: 10.1097/SCS.0000000000000524. PMID: 24777008.
64. Barone A, Ricci M, Romanos GE, Tonelli P, Alfonsi F, Covani U. Buccal bone deficiency in fresh extraction sockets: a prospective single cohort study. *Clin Oral Implants Res*. 2015 Jul;26(7):823-30. doi: 10.1111/clr.12369. Epub 2014 Mar 31. PMID: 24684275.
65. Canullo L, Penarrocha-Oltra D, Soldini C, Mazzocco F, Penarrocha M, Covani U. Microbiological assessment of the implant-abutment interface in different connections: cross-sectional study after 5 years of functional loading. *Clin Oral Implants Res*. 2015 Apr;26(4):426-434. doi: 10.1111/clr.12383. Epub 2014 Mar 26. PMID: 24665919.
66. Barone A, Borgia V, Covani U, Ricci M, Piattelli A, Iezzi G. Flap versus flapless procedure for ridge preservation in alveolar extraction sockets: a histological evaluation in a randomized clinical trial. *Clin Oral Implants Res*. 2015 Jul;26(7):806-13. doi: 10.1111/clr.12358. Epub 2014 Mar 1. PMID: 24580835.