

PERSONAL INFO Roberta Lione



Languages: Italian, English

Academic position: RTDa MED/28, International Medical University in Rome "UniCamillus"

Academic Position

- 2017 **ASN National Scientific Habilitation** for Sector competition reference 06/F1 – Oral diseases and dentistry. 2016 Announcement. Associate Professor: Habilitation on 03/30/2017, Valid until 03/30/2027.
- 2022 – present **Researcher MED/28**, fixed-term, pursuant to art. 24, paragraph 3, letter a), Law 240/2010 for the scientific, didactic and didactic-integrative and student's support. The contract lasts three-year (from 10/01/2022 to 10/01/2025), Faculty of Medicine, International Medical University in Rome "UniCamillus".

EDUCATION AND FORMATION

- 2001 High School Diploma with the highest degree at the school "T. Tasso" of Salerno (SA).
- 2007 **Degree in Dentistry and Dental Prosthesis at the University of Rome "Tor Vergata" with the highest degree** in the date 11 April 2007. Dissertation in Orthodontics "Analysis of Dento-skeletal effects of Rapid palatal expansion by means of low-dose TC protocol". Supervisor Prof. P. Cozza.

Habilitation as Dentist and subscription to the "Ordine dei Medici-Chirurghi ed Odontoiatri" of Salerno.

Registration to the Order "Medici-Chirurghi ed Odontoiatri" of Salerno since 10-11-2007.
- 2006 - 2008 **Biennial II degree Master in Orthodontics** (A.A. 2006-07/ 2007-08), Director Prof. Paola Cozza, University of Rome "Tor Vergata". Thesis dissertation with highest degree in the date 11-07-2008.
- 2009 - 2011 **Specialist in Orthodontics with the highest degree** (cum laude), Faculty of Medicine and Surgery of the University of Rome "Tor Vergata", in the date 03 November 2001.
Dissertation in Orthodontics: "Analysis of Etiopathogenesis and Differential Diagnosis of Class II malocclusion". Supervisor: Prof. P. Cozza.
- 2011 - 2015 XXVII cycle **PhD "Materials for Health Environment and Energy"** – Dentistry Program – Faculty of Mathematics, Physics and Natural Sciences, University of Rome "Tor Vergata". Director: Prof. S. Licocca awarded with **cum laude** in the date 06 May 2015.
Dissertation in Orthodontics: "Masseter muscles and their influence on craniofacial morphology in growing subjects".

PROFESSIONAL EXPERIENCE

Didactic and clinical activity, teaching and research programme at the University of Rome "Tor Vergata"

- Research and didactic activity, member of exam commission and thesis supervisor in Orthodontics at the University of Rome "Tor Vergata"
- Bursary** for post-graduate education in "F1000 Self-ligating Brackets: analysis and clinical management" A.A. 2010-2011; awarded by public recruitment (titles and colloquy).
- 2011 – present **Bursary** for post-graduate education in "F1000 Self-ligating Brackets: analysis and clinical management" A.A. 2011-2012; awarded by public recruitment (titles and colloquy).
- 2011
- 2012 **Holder** of self-employed professional contract, as dentist specialist at Fondazione PTV Policlinico di Tor Vergata affiliated with the Post-graduate School of Orthodontics of the University of Rome "Tor Vergata", for EXTRA-LEA service (underwritten on 05/09/2013).
- 2013 – present **Clinical Instructor** for the Post-graduate School of Orthodontics of the University of Rome "Tor Vergata".
- Clinical Instructor** for professional activities, Teaching of Orthodontics, Prof. P. Cozza, for the Degree in Dentistry and Dental Prosthodontics, University of Rome "Tor Vergata".
- 2013 - 2018 **Didactic Instructor** for the Post-Graduate Orthodontic Program of the University of Rome "Tor Vergata" (Director Prof. P. Cozza).
- 2014 **Professor at II Level Master in Orthodontics** of the University of Rome "Tor Vergata" (Director Prof. P. Cozza).
- 2015 - 2018 **Contract Professor** of 20 hours of teaching for the Integrative Course/Teaching of "Diagnosi ortognatodontica SWA" for the Official Course/Integrative Course of Orthodontics at the Post-graduate School of Orthodontics of the University of Rome "Tor Vergata" (Director Prof. P. Cozza). A. Y. 2016/2017.
- 2016 - 2017 **Contract Professor** of 20 hours of teaching for the Integrative Course/Teaching of "Diagnosi ortognatodontica SWA" for the Official Course/Integrative Course of Orthodontics at the Post-graduate School of Orthodontics of the University of Rome "Tor Vergata" (Director Prof. P. Cozza). A. Y. 2017/2018.
- 2017 - 2018 **Researcher MED 28**, fixed-term, pursuant to art. 24, paragraph 3, letter a), Law 240/2010 for the scientific, didactic and didactic-integrative and student's support. The contract lasts three-year (from 07/26/2018 to 12/25/2021, with renewal from 12/26/2021 to 12/25/2023). Department of System Medicine, University of Rome "Tor Vergata".
- 2018 – present **Teaching Assignment** for the Course "Obiettivi estetici nel trattamento ortodontico" for 1 CFU-F at the Post-graduate School of Orthodontics of the University of Rome "Tor Vergata" (Director Prof. P. Cozza).
- Teaching Assignment** for the Course "Ortopedia dei mascellari" for 1 CFU-F at the Post-graduate School of Orthodontics of the University of Rome "Tor Vergata" (Director Prof. P. Cozza).
- Assignment** for Professional Credits at first, second and third year of the Post-graduate School of Orthodontics of the University of Rome "Tor Vergata" (Director Prof. P. Cozza).
- Effective Member** of Profit Exam Commission, Teaching of Orthodontics, Prof. P. Cozza, for the Degree in Dentistry and Dental Prosthodontics, University of Rome "Tor Vergata".
- Effective Member** of Profit Exam Commission for the Post-graduate School of Orthodontics of the University of Rome "Tor Vergata" (Director Prof. P. Cozza).
- Effective Member** of Theses Commission for the Post-graduate School of Orthodontics of the University of Rome "Tor Vergata" (Director Prof. P. Cozza).
- Professor at II Level Master in Orthodontics** of the University of Rome "Tor Vergata" (Director Prof. P. Cozza).
- Professor at PhD** in Materials Health and Environment "Comparison of mechanical properties between Titanium alloy and stainless steel miniscrews" "In vitro and in vivo evaluation of diamond-coated strips in orthodontic practice". Rome, A.Y. 2018/2019.

PhD external reviewer for the clinical PhD Program in Oral Sciences, University of Milan, Dott. Cantarella D. A.Y. 2021/2022.

Thesis Supervisor for the Post-graduate School of Orthodontics of the University of Rome "Tor Vergata" (Director Prof. P. Cozza).

Didactic and clinical activity, teaching and research programme at the University of Rome "UniCamillus"

Teaching Assignment of "Oral diseases" course at the 5th of the Degree in Medicine and Surgery at the University of Rome "UniCamillus - Saint Camillus International University of Health and Medical Sciences" (Total of CFU: 2 CFU- F).

2022 – present **Head Professor** of the Integrated Course of "Specialist Disciplines" at the 5th year of the Degree in Medicine and Surgery at the University of Rome "UniCamillus - Saint Camillus International University of Health and Medical Sciences"

Contract Professor for the teaching of "Introductory Clinics" at 2th years of the Degree in Dentistry and Dental Prosthesis at the University of Rome "UniCamillus - Saint Camillus International University of Health and Medical Sciences" (Total of CFU: 1 CFU- F).

2021 **Contract Professor** for the teaching of "Preventive and Community Dentistry" at 2th years of the Degree in Dentistry and Dental Prosthesis at the University of Rome "UniCamillus - Saint Camillus International University of Health and Medical Sciences" (Total of CFU: 1 CFU- F).

2021 – present **Director and Professor at II Level Master in Orthodontics** "Allineatori in Fase 1: guida alla gestione della terapia con allineatori nel paziente in crescita", University of Rome "UniCamillus - Saint Camillus International University of Health and Medical Sciences". Rome, A.Y. 2021/2022; A.A 2022/2023.

Director and Professor at II Level Master in Orthodontics "Create Ortodontic Office life COOL", University of Rome "UniCamillus - Saint Camillus International University of Health and Medical Sciences". Rome, A.Y. 2021/2022.

Didactic and clinical activity at foreign Universities

Contract Professor of "Clinical Orthodontics" at II Level Bi-Annual Master in Orthodontics (Director Prof. P. Cozza), at the University of "Nostra Signora del Buon Consiglio", Tirana. A.Y. 2011-2012, l'A.A. 2012-2013, A.A. 2013-2014.

2011 - 2014 **Professor** for Teaching of Orthodontics for the Degree in Dentistry and Dental Prosthodontics, University of "Nostra Signora del Buon Consiglio", Tirana. (Total of CFU: 2 CFU- F).

2011 - 2018 **Teaching Assignment** for Teaching of Orthodontics for the Degree in Dentistry and Dental Prosthodontics, University of "Nostra Signora del Buon Consiglio", Tirana. (Total of CFU: 2 CFU- F).

2018 – present **Effective Member** of Profit Exam Commission, Teaching of Orthodontics, Prof. P. Cozza, for the Degree in Dentistry and Dental Prosthodontics, University of "Nostra Signora del Buon Consiglio", Tirana.

Didactic and clinical activity in other Italian Universities

Professor at Master in Orthodontics at University of Foggia, A.Y. 2009/2010.

Professor at II Level Master in Orthodontics at the University of Campania "Luigi Vanvitelli" (Director Prof. L. Perillo). Naples, A.Y. 2015/2016.

2010 **Professor** at II Level Master in Interceptive Orthodontics at the University of Florence (Director Prof. E. Defraia). Florence, A.Y. 2016/2017.

2016

2017 **Professor** at the Post-graduate School of Orthodontics of the Catholic University of Rome "Sacro Cuore" (Director Prof. C. Grippaudo), in the seminary: "Le problematiche trasversali nel paziente ortodontico". Rome, A.Y. 2017/2018.

2018 **Professor** at the Catholic University of Rome “Sacro Cuore” with the report: “applicazioni cliniche del laser a diodi in ortodonzia”. Rome, A.Y. 2018/2019.

2019 **Other didactic activities**

Didactic Instructor at the training event “Approccio diagnostico-terapeutico alla malocclusione di Classe II”, Sassari, 16-17 September.

2011 **Didactic Instructor** at the training event “Approccio diagnostico-terapeutico alla malocclusione di Classe III”, Sassari, 17-18 November.

Didactic Instructor at the training event “Le problematiche trasversali” nell’ambito del “Corso di Ortodonzia: Concetti di Base e Approccio Terapeutico Semplificato”. Director Prof. P. Cozza, Scuola Medico Ospedaliera presso il Complesso Monumentale S. Spirito in Saxia – ASL RM E – Rome, 6 April – 20 October.

2012 **Didactic Instructor and Tutor** at the annual theory and practice course in Orthodontics “Tecnica Straight-Wire” Prof. D. Mirabella – Padua.

2015 – present **Clinical experience**

Holder of self-employed professional contract, as specialist dentist at Fondazione PTV Policlinico di Tor Vergata affiliated with the Post-graduate School of Orthodontics of the University of Rome “Tor Vergata”, for EXTRA-LEA service (underwritten on 05/09/2013).

2013 – present

Clinical Instructor for professional activities for the Post-graduate school of Orthodontics, University of Rome “Tor Vergata”.

2018 – present

From 2008 to present, the scientific research of Dott. Roberta Lione was focusing on:

1. interaction between oral habits and dento-skeletal anomalies during growth;
2. Analysis of determinants factor of dento-skeletal anomalies and malocclusion;
3. Functional and orthopedic treatment for malocclusion during growth;
4. Digital technology application for advanced treatment protocols realization.

SCIENTIFIC CONTRIBUTION

Scientific Collaboration/Contributions during national or international research programs ammessi al finanziamento sulla base di bandi competitivi che prevedano la revisione tra pari

2015 Winner of “Consolidate the foundation”, in 2015, area CUN principal 06-Medical Sciences, MED/28 – Oral diseases, research titled: “Intraoral sensor system with integrated wireless transmission for real-time monitoring of metabolic processes -INWISY”. Cozza P, Coletta M, Rossi T, De Sanctis M, Gioia M, Fasciglione G, Sannino G, **Lione R**, Hamitouche C, Garello R, Sbardella D.

2019 Winner of Visiting fellowship for the research program: “Integrazione CAD/CAE nell’innovazione di dispositivi ortodontici”, cod. 2105-51-11-2018, Intervention n.4: “Supporto alla definizione delle specifiche di progettazione e all’integrazione CAD/CAE” Procedura bandita con provvedimento Rep. 136/2019, Prot. 1244 del 08/05/2019 presso il Dipartimento di Ingegneria Civile e ambientale dell’Università degli studi di Padova.

Winner of “Beyond Borders”, in 2019, area CUN principal 06-Medical Sciences, MED/28, Oral diseases, research titled: “Oxidative stress evaluation in OSA patients treated with mandibular advancement devices – OSARE”. Cozza P, **Lione R**, Pavoni C, Gioia M, Passali FM, Di Pierro D, Gazzani F, Cretella Lombardo E, Giaccotti A.

Winner of research contribution at UNICNSBC, Tirana (Albania), in 2019, research titled: "Concept di un dispositivo di avanzamento mandibolare in pazienti adulti affetti da OSAS"

Cozza P, **Lione R**, Pavoni C, Cretella Lombardo E, Gazzani F, Savio G, Grigolato L, Cantarella D.

Scientific Responsibility during national or international research programs ammessi al finanziamento sulla base di bandi competitivi che prevedano la revisione tra pari

2020 Winner as Principal Investigator EMEA Align research Award program "Maxillary arch development during treatment with Invisalign First: a Randomized Clinical Trial". **Lione R**, Pavoni C, Cozza P, Meuli S, Gazzani F.

2021 Winner as Principal Investigator EMEA Align research Award program "Comparison between edgewise appliance and Invisalign during treatment with Class II elastics: cephalometric appraisal of vertical changes". **Lione R**, Pavoni C, Cozza P, Paoloni V, Gazzani F, Bartolommei L.

2022 Winner as Principal Investigator EMEA Align research Award program "Cephalometric assessment of mandibular sequential distalization with Invisalign in Class III patients". **Lione R**, Pavoni C, Cozza P, Gazzani F, Cretella Lombardo E.

Winner as Principal Investigator EMEA Align research Award program "Effects of IPR by mechanical oscillating strip system on biological structures: a qualitative evaluation". **Lione R**, Pavoni C, Cozza P, Gazzani F, Cretella Lombardo E.

Contributions during research programs with national/international alle attività collaboration

2008 – present

Research collaboration with Proff. Lorenzo Franchi e Tiziano Baccetti, Department of Orthodontics, Department of Surgery and Translational Medicine of University of Florence. Da tale collaborazione si sono realizzate le seguenti pubblicazioni scientifiche su riviste indicizzate numerate in seguito in elenco così come presenti nel CV: n° 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24, 25, 26, 27, 31, 32, 37, 41, 43, 46, 50, 54, 56.

2013 International research collaboration with Prof. Jim McNamara, Department of Orthodontics and Pediatric Dentistry of the University of Michigan, US. A.A 2013/2014. Da tale collaborazione si sono realizzate le seguenti pubblicazioni scientifiche su riviste indicizzate numerate in seguito in elenco così come presenti nel CV: n° 13, 17.

2014 International research collaboration with Prof. Jim McNamara e la Prof. Lucia Cevidanes, Department of Orthodontics and Pediatric Dentistry of the University of Michigan, US. A.A 2014/2015, Da tale collaborazione si sono realizzate le seguenti pubblicazioni scientifiche su riviste indicizzate numerate in seguito in elenco così come presenti nel CV: n° 31, 32.

2015 International research collaboration with Prof. Bernardo Quiroga Souki, Pontifical Catholic University of Minas Gerais, Belo Horizonte, Brasil. A.A. 2015/2016. Da tale collaborazione si sono realizzate le seguenti pubblicazioni scientifiche su riviste indicizzate numerate in seguito in elenco così come presenti nel CV: n° 19, 26, 39.

Partecipation as a member of Editorial Board of International

Member of Editorial Board of "The Angle Ortodontist" (journal with IMPACT factor).

2020 – present

Member of **Scientific and Reading Committee** (reviewer) in the following journals:
- European Journal of Orthodontics from 01-01-2011 to present (journal with IMPACT factor)
- Angle of Orthodontist from 01-01-2014 to present (journal with IMPACT factor)
- Journal Orofacial Orthopedics from 01-01-2015 to present (journal with IMPACT factor)
- Progress in Orthodontics from 01-01-2015 to present (journal with IMPACT factor)
- Journal of Orthodontics from 01-01-2017 to present (journal with IMPACT factor)

Partecipation as Executive Board in national/international Scientific Societies

2014

Fellow of the World Federation of Orthodontists dal 08-10-2014.

2019 – present

Socio attivo SIDO (Società Italiana di Ortodonzia) dal 16-10-2019.

2021 – present

Socio effettivo AiDOR (Accademia Italiana di Ortodonzia) dal 15-07- 2021.

Membro Consiglio Direttivo Associazione Specialisti Italiani in Ortodonzia (ASIO).

Award, honors and prizes

2008

Winner of 13th Symposium of Italian Orthodontic Schools. Thesis titled: "Effetti parodontali dell'espansore rapido palatale valutati con protocollo TC in soggetti in crescita". Rome, from 02-29-2008 to 03-01-2008

2013

Mention of Honor with the Poster "Analisi tridimensionale del muscolo massetere in pazienti in crescita con differenti patterns facciali verticali". Collegio dei docenti di Odontoiatria. Rome, from 04-18-2013 to 04-20-2013.

2015

Special Merit Award (Best Oral Communication) at XII AidOr National Congress. Presentation titled: "Effects of treatment with removable biteblocks on masseter muscles in dolichofacial growing subjects: a prospective study". Rome, from 04-30-2015 al 05-01-2015.

2016

Special Merit Award (Best Poster in Orthodontics) "Respirazione orale e adenotonsillectomia in soggetti in crescita: modificazioni dentoscheletriche del mascellare superiore". SIDO International Spring Meeting. Florence, from 03-11-2016 al 03-12-2016.

2018

Clinical Award Table Clinic Joseph E. Johnson "Face Mask performance during orthopedic maxillary protraction: a Finite Element Analysis (FEA)". American Association of Orthodontics. Annual Session. Washington DC 4-8 May 2018. From 05-04-2018 to 05-08-2018.

2019

Italian Board of Orthodontics (I.B.O.). 50rd SIDO International. From 10-11-2019 al 10-11-2019.

2021

European Board of Orthodontics (E.B.O.). 06-12-2021.

2022

Mention of Honor with the Poster "Diverse resine composite usate per gli attachments degli allineatori trasparenti: uno studio in vitro". Collegio dei docenti di Odontoiatria. Bologna, from 04-07-2022 to 04-09-2022.

Best clinical award. Category: "Early treatment" with the poster "Correction of lower arch COW after orthodontic therapy: comparison between Invisalign first and RME/BB protocol in growing subjects." 53rd SIDO International Congress. Florence, from 10-11-2022 to 10-14-2022.

Invited Speaker to National/International Scientific Congress

2009

Speaker: Theory and practice training course "Terapia ortognatodontica dell'età evolutiva". Catholic University of Rome "Sacro Cuore". Rome, 02-09-2009

- 2011 Speaker: 29rd Leoclub cultural meeting. Presentation titled: "Esperienze cliniche con sistematica F1000". Florence, 09-30-2011.
- 2012 Speaker: Italian Accademy of Orthodontics, 9th National Annual Meeting and 3rd World Implant Orthodontic Conference "Clinical applications, advantages and future developments for TADs: world expert forum". Verona, from 10-06-2011 to 10-08-2011.
- 2012 Speaker: International Course: "New perspectives on Class III treatment and Rapid Maxillary Expansion". Florence, from 09-13-2012 to 09-14-2012.
- 2014 Speaker: 45th SIDO International Congress. Presentation titled: "Anomalie dentali". Florence, from 09-10-2014 to 12-10-2014.
- 2015 Speaker: IInd International meeting AEPO. San Paolo in Brasil. From 04-17-2015 to 04-18-2015.
- 2017 Speaker: 42th Moyers PreSymposium: International Conference on Craniofacial Research "Evaluation of the masseter muscles in relation to treatment with removable bite-blocks in growing dolichofacial patients". Ann Arbor, Michigan. From 03-03-2017 al 03-04-2017.
- Speaker: Italian Accademy of Orthodontics, 14th National Annual Meeting. Presentation titled: "Utilizzo razionale della "distalizzazione": fattori di successo in chiave estetica". Florence, from 05-12-2017 to 05-13-2017.
- Speaker: 48th SIDO International Congress. Presentation titled: "Espansione rapida del mascellare superiore: realizzazione tecnica, individualizzazione ed analisi dei punti critici". Rome, from 10-19-2017 to 10-21-2017.
- 2018 Speaker: S.I.Te.Bi. Italian Society of Bi-dimensional Technique. Presentation titled: "Le asimmetrie in età evolutiva". Rome, from 03-03-2018 al 03-04-2018.
- 2019 Speaker: S.I.Te.Bi. Italian Society of Bi-dimensional Technique. Presentation titled: "Diagnosi e trattamento ortopedico del morso aperto" Rome, from 03-23-2019 to 03-24-2019.
- 2021 Speaker: 3rd Congresso della Compagnia Ortodontica. Presentation titled: "Estrazioni non convenzionali". San Marino, from 06-17-2021 to 06-19-2021.
- Speaker: American Association of Orthodontics, virtual annual session, Clinical lecture "Can changing the Transverse dimension improve the quality of orthodontic treatment in children?" 06-26-2021.
- Speaker: SIDO International Spring Meeting. Presentation titled: "Orthopedic expansion during mixed dentition: the first step to simplify your future mechanics." Naples, from 07-16-2021 al 07-17-2021.
- Speaker: SiAlign, 8th National Congress. Presentation titled: "Allineatori nel paziente in crescita: come utilizzare al meglio questa opportunità terapeutica". Bologna, 12-11-2021.
- 2022 Speaker: Align Italian Summit 2022. Presentation titled: "Correzione antero-posteriore in dentizione mista". Turin, 04-1-2-2022.
- Speaker: 3rd International Symposium of Orthodontic. Presentation titled: "Orthodontic therapy with aligners: a new way of thinking". Tirana, Albania, 10-06-08-2022.
- Speaker: 5th Inter-regional course of paediatric ENT. Presentation titled "Effetti della deglutizione atipica sulla crescita dei mascellari e sulla funzione orofaringea: approccio multidisciplinare nel paziente pediatrico". Anagni, 11-12-2022.

Guest speaker for the online program clinical enrich on the topic "Aligners" 11-13-2022.

Communication with Abstracts publication in National/International Scientific Congress

- 2009 19th SIDO International Congress – Communication Session: "Analisi 3D degli effetti dell'espansione rapida mascellare in soggetti in crescita a breve e a lungo termine", Lione R, Fanucci E, Viarani S. from 11-06-2009 to 11-07-2009.
- 2010 21th SIDO International Congress – Communication Session: "Analisi degli effetti verticali della terapia con apparecchiature preformate in soggetti in crescita con morso profondo", Lione R, Pavoni C, Baroni M. From 11-25-2010 to 11-26-2010.
- 21th SIDO International Congress – Communication Session: "Modificazioni della densità lungo la sutura palatino-mediana indotte dall'RME e valutate tramite protocollo TC", Lione R, Franchi L, Baccetti T. From 11-25-2010 to 11-26-2010.
- 2011 16th Symposium of Italian Orthodontic Schools - Communication Session: "Modificazione della densità ossea sulle suture mascellari a breve e a lungo termine indotte dall'RME", Lione R, Cozza P. from 03-18-2011 al 03-19-2011.
- 2012 88th Congress of the European Orthodontic Society – Oral Communication: "Treatment effects of the Quadhelix/Crib appliance in openbite patients: a prospective long-term study", Lione R, Ballanti F, Masucci C, Franchi L. Santiago de Compostela. From 06-19-2012 al 06-23-2012.
- 23th SIDO International Congress – Communication Session: Revisione sistematica della letteratura: l'espansione rapida mascellare determina effetti indesiderati in soggetti in crescita?" Lione R, Pavoni C, Mucedero M. Florence, from 10-10-2012 al 10-13-2012.
- 23th SIDO International Congress – Communication Session: "Analisi degli effetti della maschera facciale con o senza espansione rapida del mascellare superiore", Pavoni C, Lione R, Laganà G. Florence, from 10-10-2012 al 10-13-2012.
- 2013 89th Congress of the European Orthodontic Society – Oral Communication: "Three-dimensional evaluation of masseter muscles in different vertical facial patterns: a sectional study in growing children", Lione R, Pavoni C, Franchi L, Cozza P. Reykjavik, from 06-26-2013 al 06-29-2013.
- 2014 90th Congress of the European Orthodontic Society - Oral communication: "Long-term stability of mandibular changes produced by early treatment of Class III malocclusion", C. Pavoni, R. Lione, L. Franchi, P. Cozza. Warsaw, from 06-18-2014 to 06-22-2014.
- 2016 47th SIDO International Congress - Communication Session: "Titanium Alloy versus Stainless Steel orthodontic miniscrews: a split-mouth prospective study". Di Fazio V, Brunelli V, Lione R. Florence, dal 10-13-2016 to 10-15-2016.

Posters with Abstracts publications in National/International congress

- 2007 14th National Congress del "Collegio dei Docenti di Odontoiatria" – Poster session: "Effetti dento-scheletrici dell'RME valutati mediante TC a basso dosaggio", **Lione R**, Fanucci E. Rome, April, 18-21.
- 2008 SIDO International Spring Meeting – Poster Session: "Analisi Comparativa di due protocolli terapeutici nel morso aperto scheletrico", **Lione R**, Righi M, Martucci L, Franchi L. Venice, May, 8-11.
- 84th Congress of the European Orthodontic Society – Poster Session: "Low-dose CT evaluation of dental and periodontal effects of RME", **Lione R**, Ballanti F, Franchi L, Baccetti T, Cozza P. Lisbon,

June, 10-14.

- 2009 14th Symposium of Italian Orthodontic Schools - Poster Session: "Un caso di contrazione mascellare risolto con RME", **Lione R.** Rome, February, 27-28.
- National Congress of Collegio dei Docenti di Discipline Odontostomatologiche e Chirurgia Maxillo Facciale – Poster Session: "Efficacia clinica del protocollo terapeutico con maschera facciale e bite-block in soggetti con malocclusione di Classe III", **Lione R.**, Mucedero M, Ballanti F. Rome, April, 22-24.
- National Congress of Collegio dei Docenti di Discipline Odontostomatologiche e Chirurgia Maxillo Facciale – Poster Session: "Effetti scheletrici dell'RME a breve e a lungo termine valutati con protocollo TC in soggetti in crescita", **Lione R.**, Giuntini V, Fanucci E. Rome, April, 22-24.
- National Congress of Collegio dei Docenti di Discipline Odontostomatologiche e Chirurgia Maxillo Facciale – Poster Session: "Effetti dento-parodontali dell'RME valutati con protocollo TC", **Lione R.**, Pavoni C, Righi M. Rome, April, 22-24.
- 109th Annual Session of the American Association of Orthodontics – Poster Session: "Transverse maxillary deficiency in anterior open bite: a cephalometric and morphometric study", Mucedero M, **Lione R.**, Franchi L, Cozza P. Boston, May, 1-5.
- 2010 15th Symposium of Italian Orthodontic Schools - Poster Session: "Espansione rapida mascellare: modificazioni della densità suturale valutata tramite protocollo TC", **Lione R.**, Mucedero M, Ricchiuti MR. Siena, March, 12-13.
- National Congress of Collegio dei Docenti di Discipline Odontostomatologiche e Chirurgia Maxillo Facciale – Poster Session: "Vertical dento-skeletal modifications in growing subjects with deep bite". Laganà G, **Lione R.**, Cozza P. Florence-Siena, April 14-16.
- SIDO International Spring Meeting/2nd MOIP congress – Poster Session: "Autoleganti vs Invisalign: analisi degli effetti dento-alveolari". Pavoni C, **Lione R.**, Ricchiuti MR. Viareggio, May, 14-15.
- 86th Congress of the European Orthodontic Society – Poster Session: "Effects of facemask treatment on sagittal pharyngeal dimensions in Class III subjects". **Lione R.**, Mucedero M, Rozzi M. Portoroz, June, 15-19.
- 86th Congress of the European Orthodontic Society – Poster Session: "The effects of a facemask/bite block therapy with or without rapid palatal expansion". Pavoni C, Ballanti F, **Lione R.** Portoroz, June, 15-19.
- 86th Congress of the European Orthodontic Society – Poster Session : "Skeletal changes induced by rapid maxillary expansion assessed with sutural density analysis on low-dose computed tomography", Franchi L, **Lione R.**, Cozza P. Portoroz, June, 15-19.
- SIDO Annual Meeting– Poster Session: "Analisi degli effetti verticali della terapia con apparecchiature preformate in soggetti in crescita con morso profondo." **Lione R.**, Pavoni C, Baroni M. Florence, November, 24-27.
- SIDO Annual Meeting– Poster Session: "Effetti del protocollo terapeutico con maschera facciale e Bite-Block con o senza espansione rapida del palato". Pavoni C., Laganà G., **Lione R.** Florence, November, 24-27.
- 2011 87th Congress of the European Orthodontic Society – Poster Session: "Three-dimensional densitometric analysis of maxillary sutural changes induced by rapid maxillary expansion." **Lione R.**, Baccetti T, Franchi L, Cozza P. Istanbul, June, 19-23.
- 2013 20th Collegio dei docenti di Odontoiatria - Poster Session: "Analisi tridimensionale del muscolo massetere in pazienti in crescita con differenti patterns facciali verticali". Noviello A, Franchi L, **Lione R.** Rome, April, 18-20.

- 44th SIDO International Congress "New Therapeutic Tools in Orthodontics" – Poster Session: "Evaluation of maxillary arch dimensions and palatal morphology in mouth-breathing children by using digital dental casts." Buongiorno M, **Lione R**, Franchi L. Rome, November, 7-9.
- 2014 21th Collegio dei Docenti di Odontoiatria - Poster Session: "Analisi 3d su modelli digitali per la valutazione delle caratteristiche anatomiche dell'arcata mascellare in soggetti respiratori orali - studio controllato." Buongiorno M, Mucedero M, Laganà G, **Lione R**. Rome, April, 14-16.
- Annual Session American Association of Orthodontics - Table Clinic: "3D regional superimpositions on the maxilla with CT or CBCT." Danesi C, Huanca Ghislanzoni LT, **Lione R**, Franchi L, Nguyen T, Cevidanes L. New Orleans, April, 25-29.
- 90th Congress of the European Orthodontic Society – Poster Session: "Effects of two different protocols of distalization on vertical dimension: a controlled clinical trial in growing subjects." **Lione R**, Pavoni C, Franchi L, Cozza P. Warsaw (Poland) 18-22 June.
- 45th SIDO International Congress "Adult Orthodontics: multidisciplinary approach"- Poster Session: "Palatally impacted canine associated with peg-shaped lateral incisors: a multidisciplinary approach". **Lione R**. Florence, October, 9-11.
- 2015 91st Congress of the European Orthodontic Society – Poster Session: "Skeletal changes in Class II patients with different vertical relationships." **Lione R**, Laganà G, Paoloni V, Franchi L, Cozza P. Venice, June, 13-18.
- 8th World Federation of Orthodontics - Poster Session: "Thin-plate spline analysis of mandibular shape changes induces by functional appliances in Class II malocclusion: a long-term evaluation" Pavoni C, **Lione R**, Franchi L, Cozza P. London, September 27-30.
- 8th World Federation of Orthodontics - Poster Session: "Effects of treatment with removable bite-blocks on masseter muscles in dolichofacial growing children: a prospective study" **Lione R**, Pavoni C, Franchi L, Cozza P. London, September 27-30.
- 2016 SIDO International Spring Meeting "Teamwork for esthetics and patients' quality of life"- Poster Session: "Maxillary dentoskeletal and soft tissue changes 1-year after adenotonsillectomy". Brunelli V, Nota A, **Lione R**. – Rome, March, 11-12.
- 47th SIDO International Congress "New therapeutic tools in Orthodontics"- Poster Session: "Diode Laser: the gold standard for aesthetic gingival recounturing during and post-orthodontic treatment". Noviello A, Danesi C, **Lione R**. Florence, October, 13-15.
- 2017 SIDO International Spring Meeting "Top clinical tips in daily practice"- Poster Session: "Missing mandibular second premolars: orthodontic management with modified serial extractions and space closure". Brunelli V, Di Fazio V, **Lione R**. – Florence, March, 17-18.
- 2019 48th SIDO International Congress "Competence in Orthodontics"- Poster Session: "Diode Laser: the gold standard for aesthetic gingival recounturing during and post-orthodontic treatment". Di Fazio V, Brunelli V, **Lione R**. Rome, October, 19-21.
- Annual Session American Association of Orthodontics – Poster Session: "Peridontal health during orthodontic treatment: a randomized controlled trial". Gazzani F, Cretella Lombardo E, Paoloni V, **Lione R**, Cozza P. Los Angeles, May, 3-7.
- 2021 SIDO International Spring Meeting – Poster Session: "Mandibular response after rapid maxillary expansion with different kind of tooth anchorage: a retrospective study". Lomurno A, Brunelli V, Noviello A, Di Fazio V, **Lione R**. Rome, May, 24-25.
- SIDO International Spring Meeting, Poster Session: Aesthetic management of patient smile during orthodontic traction of maxillary displaced canine. Provaroni R., **Lione R.**, Cantiero V., Rosignoli L. Naples, July, 16-17.

- 28th National Congress del Collegio dei Docenti Universitari di Discipline Odontostomatologiche, Poster Session: "L'espansione con allineatori in dentizione mista: uno studio prospettico". Cretella Lombardo E., Cantiero V., **Lione R.** Online.
- 2022 29th National Congress del Collegio dei Docenti Universitari di Discipline Odontostomatologiche, Poster Session: "Diverse resine composite usate per gli attachments degli allineatori trasparenti: uno studio in-vitro". Bisceglia M., Danesi C., Balboni A., Altília S., **Lione R.** Bologna, April, 7-9.
- 29th National Congress del Collegio dei Docenti Universitari di Discipline Odontostomatologiche, Poster Session: "Effetti dell'IPR eseguito con il sistema di strip oscillanti sulle strutture biologiche". Balboni A., Altília S., Cretella Lombardo E., Bisceglia M., **Lione R.** Bologna, April, 7-9.
- 29th National Congress del Collegio dei Docenti Universitari di Discipline Odontostomatologiche, Poster Session: "Modifiche dei margini gengivali durante il trattamento ortodontico Invisalign First". Moretti S., Bisceglia M., Altília S., Danesi C., **Lione R.** Bologna, April, 7-9.
- Annual Session American Association of Orthodontics - Table Clinic: "Comparison between two different expansion protocols in early mixed dentition: clear aligners vs rapid maxillary expansion." Cretella Lombardo E, Gazzani F, Cozza P, **Lione R.** Miami, Florida, USA, May, 21-24.
- Annual Session American Association of Orthodontics - Table Clinic: "Comparison between different composite resins used for clear aligner attachments: an in-vitro study." Gazzani F, Cretella Lombardo E, Cozza P, **Lione R.** Miami, Florida, USA, May, 21-24.
- Annual Session American Association of Orthodontics - Table Clinic: "Efficiency, wear performance and wear effects on enamel of IPR mechanical systems." Lione R, Cretella Lombardo E, Gazzani F, Cozza P. Miami, Florida, USA, May, 21-24.

PUBLICATIONS

Doctor Roberta Lione published n°1 editorial work, n°5 Publications in Italian Journals and n° 58 Publications in International Journals (always in collaboration). All publications are congruent with the disciplines includes in the scientific-disciplinary sector subject and the scientific profile of this call.

Editorial work

Approccio sistematico alla terapia ortodontica con allineatori.
Edra S.p.A. Editore, Milano 2020
P. Cozza, C. Pavoni, **R. Lione.**

Publications in Italian Journals

- 1) Analisi della correlazione tra dimensione facciale verticale e muscolo massetere in pazienti in crescita.
A. Noviello, **R. Lione**, V. Da Ros, E. Fanucci, P. Cozza.
Dental Cadmos 2015;7(83):446-455
- 2) Self-ligating versus invisalign: analysis of dentoalveolar effects.
C. Pavoni, **R. Lione**, G. Laganà, P. Cozza.
Annali di stomatologia 2011; II (1-2):23-27
- 3) Il nuovo bracket autolegante F1000: analisi e gestione clinica.
R. Lione, P. Cozza.
Bollettino di informazione Leone 86/marzo 2011
- 4) Espansione rapida palatale: terapia del deficit trasversale scheletrico del mascellare superiore.
P. Cozza, **R. Lione**, T. Baccetti, L. Franchi, V. Giuntini, A. Vangelisti, M. Mucedero, F.

Ballanti.
Bollettino Leone. Firenze, 2010

- 5) Analisi degli effetti della terapia con distalizzazione molare.
R. Lione, P. Laganà, P. Cozza.
Mondo Ortodontico (2010),doi:10.1016/j.mor.2010.09.004

Publications in International Journals Indicizzate

- 1) Effetti a lungo termine dell'espansione rapida mascellare sulle cavità nasali e le strutture parodontali.
F. Ballanti, **R. Lione**, E. Fanucci, S. Viarani, P. Cozza.
Oral and Implantology 2008 Ott-Dic;3-4(1):119-127.
- 2) Low-Dose CT protocol for orthodontic diagnosis.
F. Ballanti, **R. Lione**, E. Fanucci, V. Fiaschetti, P. Cozza.
Eur J Paediatric Dent 2008;9(2):65-70.
- 3) Treatment and post-treatment skeletal effects of Rapid maxillary expansion studied with low-dose Computed Tomography in growing subjects.
R. Lione, F. Ballanti, L. Franchi, T. Baccetti, P. Cozza.
American Journal of Orthodontics and Dentofacial Orthopedics 2008;134(3):389-92.
- 4) Immediate and post-retention effects of rapid maxillary expansion investigated by computer tomography in growing patients.
F. Ballanti, **R. Lione**, E. Fanucci, L. Franchi, T. Baccetti, P. Cozza.
Angle Orthodontics 2009;79(1):24-29.
- 5) Treatment and posttreatment skeletal effects of rapid maxillary expansion investigated with low-dose computed tomography in growing subjects.
F. Ballanti, **R. Lione**, T. Baccetti, L. Franchi, P. Cozza.
American Journal of Orthodontics and Dentofacial Orthopedics 2010;138(3):311-7.
- 6) Modifications of midpalatal sutural density induced by rapid maxillary expansion: A low-dose computed-tomography evaluation.
L. Franchi, T. Baccetti, **R. Lione**, E. Fanucci, P. Cozza.
American Journal of Orthodontics and Dentofacial Orthopedics 2010;137(4):486-8; discussion 12A-13A.
- 7) Comparison of different dose reduction system in computed tomography for orthodontic applications.
E. Fanucci, V. Fiaschetti, L. Ottria, M. Mataloni, V. Acampora, **R. Lione**, A. Barlattani, G. Simonetti.
Oral and Implantology 2011;4(1-2):14-22.
- 8) Rapid Maxillary Expansion: effects on palatal area investigated by Computed Tomography in growing subjects.
R. Lione, C. Pavoni, G. Laganà, E. Fanucci, L. Ottria, P. Cozza
European Journal of Paediatric Dentistry 2012;13(3):215-18.
- 9) Does Rapid Maxillary Expansion induce adverse effects in growing subjects?
R. Lione, L. Franchi, P. Cozza
Angle Orthodontist 2013;83(1):172-82.
- 10) Three-dimensional evaluation of masseter muscle in different vertical facial patterns: a cross-sectional study in growing children.
R. Lione, L. Franchi, A. Noviello, P. Bollero, E. Fanucci, P. Cozza.
Ultrasonic Imaging 2013;35(4):307-17.

- 11) Three-dimensional densitometric analysis of maxillary sutural changes induced by rapid maxillary expansion.
R. Lione, L. Franchi, E. Fanucci, G. Laganà, P. Cozza
Dentomaxillofacial Radiology 2013;42(2):71798010.
- 12) Evaluation of maxillary arch dimensions and palatal morphology in mouth-breathing children by using digital dental casts.
R. Lione, M. Buongiorno, L. Franchi, P. Cozza.
International Journal of Pediatric Otorhinolaryngology 2014;78(1):91-5.
- 13) The role of rapid maxillary expansion in the promotion of oral and general health.
JA. Jr. McNamara, **R. Lione**, L. Franchi, F. Angelieri, LH. Cevidanes, MA. Darendeliler, P. Cozza.
Progress in Orthodontics 2015;16(1):33.
- 14) Palatal surface and volume in mouth-breathing subjects evaluated with three-dimensional analysis of digital dental casts - a controlled study.
R. Lione, L. Franchi, LT. Huanca Ghislanzoni, J. Primozić, M. Buongiorno, P. Cozza.
European Journal of Orthodontics 2015;37(1):101-4.
- 15) Effects of cervical headgear and pendulum appliance on vertical dimension in growing subjects: a retrospective controlled clinical trial.
R. Lione, L. Franchi, G. Laganà, P. Cozza.
European Journal of Orthodontics 2015;37(3):338-44.
- 16) Early treatment of Class III malocclusion with RME and facial mask: evaluation of dentoalveolar effects on digital dental casts.
R. Lione, M. Buongiorno, G. Laganà, P. Cozza, L. Franchi.
European Journal of Paediatric dentistry 2015;16(3):217-20.
- 17) Comparison and reproducibility of two regions of reference for CBCT maxillary regional registration.
AC. de Oliveira Ruellas, L. Huanca Ghislanzoni, M. Regis Gomes, C. Danesi, **R. Lione**, P. Cozza, T. Nguyen, J. McNamara, L. Franchi, LH. Cevidanes.
American Journal of Orthodontics and Dentofacial Orthopedics 2016;149(4):533-42.
- 18) Bonded versus banded rapid palatal expander followed by facial mask therapy: analysis on digital dental casts.
R. Lione, LT. Huanca Ghislanzoni, E. Defraia, L. Franchi, P. Cozza.
European Journal of Orthodontics 2016;38(2):217-22.
- 19) Maxillary dentoskeletal changes 1-year after adenotonsillectomy.
V. Brunelli, **R. Lione**, L. Franchi, P. Cozza, HM Becker, LP Franco, BQ Souki.
International Journal of Pediatric Otorhinolaryngology 2016 Jul;86:135-41.
- 20) Comprehensive rehabilitation and natural esthetics with implant and orthodontics (CRANIO): An interdisciplinary approach to missing maxillary lateral incisors.
M. Tallarico, C. Luzi, G. Galasso, **R. Lione**, P. Cozza.
Journal of Oral Science Rehabilitation. 2017 Mar;3(1):8-16.
- 21) In vitro and in vivo evaluation of diamond-coated strips.
R. Lione, F. Gazzani, C. Pavoni, S. Guarino, V. Tagliaferri, P. Cozza.
Angle Orthodontist 2017;87(3):455-459.
- 22) Evaluation of masseter muscles in relation to treatment with removable bite-blocks in dolichofacial growing subjects: a prospective controlled study.
R. Lione, S. Kiliaridis, A. Noviello, L. Franchi, GS. Antonarakis, P. Cozza.
American Journal of Orthodontics and Dentofacial Orthopedics 2017;151(6):1058-1064.

- 23) Correlations between dental malocclusions, ocular motility, and convergence disorders: a cross-sectional study in growing subjects.
P. Bollero, MR. Ricchiuti, G. Lagana', D. Di Fusco, **R. Lione**, P. Cozza.
Oral & Implantology 2017;3:289-94.
- 24) Morphometric covariation between palatal shape and skeletal pattern in Class II growing subjects.
V. Paoloni, **R. Lione**, F. Farisco, DJ. Halazonetis, L. Franchi, P. Cozza.
European Journal of Orthodontics. 2017 Aug;39(4):371-76.
- 25) Treatment and post-treatment effects of functional therapy on the sagittal pharyngeal dimensions in Class II subjects.
C. Pavoni, E. Cretella Lombardo, L. Franchi, **R. Lione**, P. Cozza.
International journal of Pediatric Otorhinolaryngology. 2017;101(Oct):47-50.
- 26) Mandibular response after rapid maxillary expansion in Class II growing patients: a pilot randomized controlled trial.
R. Lione, V. Brunelli, L. Franchi, C. Pavoni, B. Quiroga Souki, P. Cozza.
Progress In Orthodontics 2017;18:36.
- 27) Measuring 3D shape in orthodontics through geometric morphometric.
LT. Huanca Ghislanzoni, **R. Lione**, P. Cozza, L. Franchi.
Progress In Orthodontics 2017;18:38.
- 28) Orthopaedic treatment effects of functional therapy on the sagittal pharyngeal dimensions in subjects with sleep-disordered breathing and Class II malocclusion.
C. Pavoni, E. Cretella Lombardo, **R. Lione**, P. Bollero, F. Ottaviani, P. Cozza.
Acta Otorhinolaryngologica Italica 2017;37:479-85.
- 29) Titanium alloy vs. stainless steel miniscrews: an in vivo split-mouth study.
P. Bollero, V. Di Fazio, C. Pavoni, M. Cordaro, P. Cozza, **R. Lione**.
European Review for Medical and Pharmacological Sciences 2018;22:2191-98.
- 30) Long-term evaluation of rapid maxillary expansion and bite-block therapy in open bite growing subjects: a controlled clinical study.
M. Mucedero, D. Fusaroli, L. Franchi, C. Pavoni, P. Cozza, **R. Lione**.
Angle Orthodontist 2018;88:523-29.
- 31) 3D comparison of mandibular response to functional appliances: Balters Bionator versus Sander Bite Jumping.
F. Gazzani, ACO. Ruellas, K. Faltin, L. Franchi, P. Cozza, R. Bigliuzzi, LHS. Cevidanes, **R. Lione**.
Biomed Research International 2018;24:1-10.
- 32) Treatment timing for functional jaw orthopaedics followed by fixed appliances: a controlled long-term study.
C. Pavoni, E. Cretella Lombardo, **R. Lione**, K. Faltin Jr., McNamara JA Jr., P. Cozza, L. Franchi.
European Journal of Orthodontics. 2018;27;40:430-36.
- 33) Facemask performance during maxillary protraction: a finite element analysis (FEA) evaluation of load and stress distribution on Delaire facemask.
F. Gazzani, C. Pavoni, A. Giancotti, P. Cozza, **R. Lione**.
Progress in Orthodontics 2018;9:19(1):21.
- 34) Associations between tooth agenesis and displaced maxillary canines: a corss-sectional radiographic study.
G. Laganà, N. Venza, **R. Lione**, C. Chiaramonte, C. Danesi, P. Cozza.

- Progress in Orthodontics 2018 Jul20;19(1):23.
- 35) Efficacy of ketoprofen lysine salt and paracetamol/acetaminophen to reduce pain during rapid maxillary expansion: a randomized controlled clinical trial.
G. Cossellu, V. Lanteri, **R. Lione**, A. Ugolini, F. Gaffuri, P. Cozza, M. Farronato.
International Journal of Paediatric Dentistry 2019 Jan;29(1):58-65.
- 36) Stress on facial skin of Class III subjects during maxillary protraction: a finite element analysis.
F. Gazzani, C. Pavoni, P. Cozza, **R. Lione**.
BMC Oral Health. 2019 Feb 13;19(1):31.
- 37) Geometric morphometric analysis of the palatal morphology in growing subjects with skeletal open bite.
G. Laganà, V. Di Fazio, V. Paoloni, L. Franchi, P. Cozza, **R. Lione**.
European Journal of Orthodontics 2019 May 24;(3):258-263.
- 38) Long-term stability of curve of Spee levelled with continuous archwires in subjects with different vertical patterns: a retrospective study.
M. Rozzi, M. Mucedero, C. Pezzuto, **R. Lione**, P. Cozza.
European Journal of Orthodontics 2019 May 24;(3):286-293.
- 39) Three-dimensional airway changes after adenotonsillectomy in children with obstructive apnea: do expectation meet reality?
Bertoz, BQ. Souki, **R. Lione**, SA. Theresa Webber, R. Bigliuzzi, PM. Oliveira, A. Moro, P. Cozza.
American Journal of Orthodontics and Dentofacial Orthopedics 2019;155(6):791-800.
- 40) Ultrasonographic evaluation of the effects of orthodontic or functional orthopaedic treatment on masseter muscles: A systematic review and meta-analysis.
R. Patini, P. Gallenzi, **R. Lione**, P. Cozza, M. Cordaro.
Medicina (Kaunas) 2019;7;55(6).
- 41) Soft tissue facial profile in Class III malocclusion: long-term post-puberal effects produced by the Face Mask Protocol.
C. Pavoni, F. Gazzani, L. Franchi, S. Loberto, **R. Lione**, P. Cozza.
European Journal of Orthodontics 2019 Sep21;41:531-536.
- 42) Comparison of the abrasive properties of two different systems for interproximal enamel reduction: Oscillating versus manual strips.
F. Gazzani, **R. Lione**, C. Pavoni, G. Mampieri, P. Cozza.
BMC Oral Health 2019 14;19(1):247.
- 43) Evaluation of sagittal airway dimensions after face mask therapy with rapid maxillary expansion in Class II growing patients.
E. Cretella Lombardo, L. Franchi, **R. Lione**, A. Chiavaroli, P. Cozza, C. Pavoni.
International Journal of Pediatric Otorhinolaryngology 2020 25;130:109794.
- 44) Conventional versus laser gingivectomy in the management of gingival enlargement during orthodontic treatment: a randomized controlled trial.
R. Lione, C. Pavoni, A. Noviello, M. Clementini, C. Danesi, P. Cozza.
European Journal of Orthodontics 2020 Jan 27(1);42:78-85.
- 45) Qualitative evaluation of vomer position before and after rapid maxillary expansion: a radiographic study.
F. Gazzani, C. Pavoni, C. Danesi, G. Gastaldi, **R. Lione**.
Journal of Biological Regulators and Homeostatic Agents. 2020 34(5):1967-1970.
- 46) Development of a prediction model for short-term success of functional treatment of Class II

- malocclusion.
E. Cretella Lombardo, L. Franchi, G. Gastaldi, V. Giuntini, **R. Lione**, P. Cozza, C. Pavoni.
International Journal of environmental research and public health 2020 22;17(12):4473.
- 47) Management of a large dentigerous cyst in the mixed dentition.
R. Lione, V. Paoloni, C. Agrestini, C. Danesi.
Journal of Clinical Orthodontics 2020;54(11):1-10.
- 48) Changes in mandibular shape after early treatment in subjects with open bite: a geometric morphometric analysis.
R. Lione, Fusaroli D, Mucedero M, Paoloni V, Pavoni C, Cozza P.
European Journal of Orthodontics 2020;42(6):643-649.
- 49) Concept selection and interactive design of an orthodontic functional appliance.
L. Grigolato, S. Filippi, D. Cantarella, **R. Lione**, W. Moon, S. Rosso, R. Meneghello, G. Concheri, G. Savio.
International Journal on Interactive Design and Manufacturing, 2021, 15(1):137-142.
- 50) Comparison between two screws for maxillary expansion: a multicenter randomized controlled trial on patient's reported outcome measures.
M. Nieri, V. Paoloni, **R. Lione**, V. Barone, M. Marino Merlo, V. Giuntini, P. Cozza, L. Franchi.
European Journal of Orthodontics 2021; 43(3):293-300.
- 51) Management of crowding in mixed dentition with Invisalign First: 10 steps to successful digital planning.
R. Lione, C. Pavoni, P. Cozza.
Journal of Aligner Orthodontics 2021;5(2):115-122.
- 52) Maxillary arch development with Invisalign system.
R. Lione, V. Paoloni, L. Bartolommei, F. Gazzani, S. Meuli, C. Pavoni, P. Cozza.
Angle Orthodontist 2021 1;91(4):433-440.
- 53) Enamel interproximal reduction during treatment with clear aligners: digital planning versus OrthoCAD analysis.
G. Laganà, A. Malara, **R. Lione**, C. Danesi, S. Meuli, P. Cozza.
BMC Oral Health 2021 19;21(1):199-205.
- 54) Comparison of the dento-skeletal effects produced by Leaf expander versus rapid maxillary expander in prepubertal patients: a two center randomized controlled trial.
V. Paoloni, V. Giuntini, **R. Lione**, M. Nieri, V. Barone, M.M. Merlo, F. Mazza, S. Passaleva, P. Cozza, L. Franchi.
European Journal of Orthodontics 2022 44(2):163-169.
- 55) Upper arch dimensional changes with clear aligners in the early mixed dentition: a prospective study.
R. Lione, E. Cretella Lombardo, V. Paoloni, S. Meuli, C. Pavoni, P. Cozza.
Journal Orofacial Orthopedics 2021, DOI: 10.1007/s00056-021-00332-z.
- 56) Soft tissue evaluation of functional therapy in growing patients with Class II malocclusion: a long-term study.
F. Gazzani, L. Franchi, **R. Lione**, P. Cozza, C. Pavoni.
European Journal of Orthodontics 2022 44(1):37-42.
- 57) Comparison between different composite resins used for clear aligner attachments: an in-vitro study.
F. Gazzani, D. Bellisario, F. Quadrini, P. Cozza, **R. Lione**.
Frontiers in materials 2022, 8, 789143.
- 58) The efficacy and predictability of maxillary first molar derotation with Invisalign: a prospective

clinical study in growing subjects.

R. Lione, V. Paoloni, F.C. De Razza, C. Pavoni, P. Cozza.

Applied Sciences 2022 12(5), 2670.

59) Effects of pendulum appliance versus clear aligners in the vertical dimension during Class II malocclusion treatment: a randomized prospective clinical trial.

R. Lione, Balboni A, Di Fazio V, Pavoni C, Cozza P.

BMC Oral Health 2022 10;22(1):441.

60) Analysis of maxillary first molar derotation with Invisalign clear aligners in permanent dentition.

R. Lione, V. Paoloni, F.C. De Razza, C. Pavoni, P. Cozza

Life 2022 12(10),1495.

61) Gingival margin's modifications during orthodontic treatment with Invisalign First: a preliminary study

R. Lione, F. Gazzani, S. Moretti, C. Danesi, E. Cretella Lombardo, C. Pavoni.

Children 2022,9(10),1423.

FURTHER INFORMATIONS

Professional Courses

- 2007 Course Arco 1st degree "Teorico-pratico di ortodonzia secondo la tecnica bidimensionale". Dott. F. Giancotti, Dott. O. Richter. At the headquarters of 3M S.p.a in Rome, September-December.
- 2008 Theory and practice course in Orthodontics "Strategie terapeutiche in pazienti con problemi parodontali ed ortodontici". Prof. G. Pini Prato, Dott. P. Cortellini, Dott. T. Baccetti; Forlì, February, 15-16.
- Theory and practice course in Orthodontics "Strategie terapeutiche in pazienti con inclusione dei canini permanenti" . Prof. G. Pini Prato, Dott. P. Cortellini, Dott. T. Baccetti; Florence, July, 4.
- 2009 Theory and practice course in Orthodontics "Piegatura fili ortodontici – giornata interattiva giovani". 19th SIDO International Congress, Florence, November, 20.
- 2010 Theory and practice course in Orthodontics "Ortodonzia ed ortopedia dento-facciale: pratica clinica basata su 40 anni d'esperienza". Prof. JA. McNamara; Florence, December, 3-4.
- 2011 Theory and practice course: "La filosofia MBT e l'evoluzione verso le apparecchiature a bassa frizione" Dott. D. A. Mirabella; Milan, February – September.
- 2014 Theory and practice course: "Metodologia della ricerca e preparazione di un lavoro scientifico". Dott. Baccetti T, Dott. Franchi L; Sesto Fiorentino, Florence, October, 10-11.
- Theory and practice course Spider Screw "Specialized Orthodontics Implants" – Dott. B.G. Maino; Vicenza, March, 29.
- 2019 Theory and practice course: "Il trattamento ortodontico nel paziente in crescita e nell'adulto: concetti in evoluzione". Dott. McNamara Ja Jr, Sarver DM; Sesto Fiorentino, Florence, October, 8.
- Theory course: "Disordini temporo-mandibolari e occlusione: valutazione clinica e gestione del paziente disfunzionale" Prof. Jeffrey P. Okeson; Pescara, April, 4.

2020 Theory course: "The San Diego Orthodontic Seminar". Dott. R.P. McLaughlin; San Diego, California, USA, April 28 – May 2.

Theory and practice course: "Ortodonzia con allineatori: tecnica Invisalign". Dott. Francesco Garino, Dott. Tommaso Castroflorio; Turin, January 30 – February.

2021 Theory course: "Excellence in Orthodontics with clear aligners" Dott. Dyego Peidro Herrero, Dott. Ivan Jesus Malagon; Rome, October 02-03.

COIP Master Course on systems of clear aligners. Dott. Dyego Peidro Herrero, Dott. Ivan Jesus Malagon; Madrid, November, 19-21.

2022 International aligner course: three days with doctor Ojima Kenji; Rome, June, 24-26.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)
ENGLISH

UNDESTANDING		SPEAKING		WRITING
C1/C2	C1/C2	C1/C2	C1/C2	C1/C2

Levels: A1/A2: Basic - B1/B2: Medium - C1/C2: Advanced
Common European Framework of Reference for Language skills

Communication skills Good communication skills acquired during the clinical experience and various national and international interventions.

Organisational/Management skills Good organisational and management skills.

Digital skills

SELF-EVALUATION				
Elaboration	Communication	Creation	Confidence	Problem Solving
Advanced	Advanced	Advanced	Advanced	Advanced

Levels: Base - Medium - Advanced
Digital skills – Self-assessment grid

Driving license Driving license (A and B)

Patents Industrial Invention – patents n.: 102020000010150

Personal data In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.

I hereby that all information includes in the present CV composed by number of pages 19, correspond to truth, in accordance with articles 46 and 47 of the Italian Legislative Decree no. 445 of 2000.

Rome, 22/02/2023

Read, Approved and Signed

In Faith

Roberta Lione