



UNIVERSITÀ  
DEGLI STUDI  
DELL'AQUILA



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Dipartimento di Scienze  
Cliniche Applicate  
e Biotecnologiche

## CURRICULUM VITAE



PERSONAL INFORMATION	Michele Tepedino Department of Biotechnological and Applied Clinical Sciences "Rita Levi Montalcini" building, Delta 6, Via Giuseppe Petrini, Coppito, L'Aquila (AQ), 67100, Italy michele.tepedino@univaq.it
CURRENT POSITION	Assistant Professor (Ricercatore a tempo determinato C.3 Art. 24 L. 240/2010 lettera B), Dentistry (MED/28), Department of Biotechnological and Applied Clinical Sciences
EDUCATION OTHER QUALIFICATIONS	Postgraduate/Master of Science in Orthodontics, Università Cattolica del Sacro Cuore, Rome, Italy  Doctor of Philosophy, University of L'Aquila, Italy, Department of Biotechnological and Applied Clinical Sciences.  Postgraduate Certificate in Orthodontic therapy and Gnathology, Department of Biotechnological and Applied Clinical Sciences, University of L'Aquila, Italy.  Master degree in Dentistry, University of L'Aquila, Italy
ACADEMIC APPOINTMENTS	Research Associate, University of L'Aquila, Italy "New technologies in orthodontics – clear aligners" (MED/28). 2015-2017  Visiting research student, Aarhus Universitet, Denmark  Research Assistant, University of L'Aquila, Italy, "New technologies in orthodontics".
CLINIC APPOINTMENTS	Model Display SIDO, Italian Society of Orthodontics. Positive assessment of three orthodontic cases selected among the European Board of Orthodontics categories, becoming an Active Member of SIDO.  Clinical activity as a Dentist from 2013 to 2020.



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TEACHING EXPERIENCE	<p>Associate lecturer (Attività di insegnamento ex art. 23 L. 240/10) University of L'Aquila, Italy. Teaching at the Postgraduate certificate course in Orthodontics (Master di II livello in Terapia Ortognatodentica Gnatologica), during the academic year 2020/2021. The teaching subjects held were: Material properties in orthodontics (1 CFU, 6 hours), Instruments and techniques for temporomandibular disorders (1CFU, 6 hours), Roth's diagnosis (1CFU, 6 hours) Roth's therapy (1CFU, 6 hours). From 2016 to 2021.</p> <p>Associate lecturer (Attività di insegnamento ex art. 23 L. 240/10) University of L'Aquila, Italy. Teaching at the degree course in Dentistry, IV year, during the academic year 2020/2021. Subject: "Orthodontics 1" (1 CFU, 12 hours).</p> <p>Associate lecturer (Attività di insegnamento ex art. 23 L. 240/10), University of L'Aquila, Italy. Teaching at the Postgraduate course in Pediatric Dentistry for the academic year 2018/2019. Subject: Dental traumatology (1 CFU, 8 hours).</p> <p>Assistant Professor, Section of Orthodontics, Department of dentistry, Health, Aarhus University.</p> <p>Invited lecture, Section of Orthodontics, Department of Dentistry, Aarhus University, Denmark. Seminar about "Safe zones for miniscrew insertion" to Postgraduate students.</p> <p>Associate lecturer (Attività didattica seminariale ed esercitativa), University of Foggia, Italy. Nonsalaried teaching assignment, at the Degree course in Dentistry, as an integration to the teaching in Orthodontics from 2016 to 2020. Subject: New technologies in orthodontics (4 hours).</p> <p>Lecturer/Exam committee member, University of L'Aquila, Italy. Nonsalaried assignment, appointed upon Prof. Claudio Chimenti's proposal, with duties comprising teaching assistance and participation to the profit exams as a committee member at the undergraduate course in dentistry. Subject: Orthodontics.</p> <p>Associate lecturer (Collaborazione coordinata continuativa, art.50, 1° comma, lett.c-bis D.P.R.917/1986), University of L'Aquila, Italy. Teaching at the Postgraduate certificate course in Orthodontics (Master di II livello in Terapia Ortognatodentica Gnatologica), held by Prof. Claudio Chimenti, during the academic year 2013/2014. The teaching subject held was: The Tweed technique (1 CFU, 6 hours).</p>
RESEARCH ACTIVITIES	ANDI Terni – L'eccellenza nella pratica clinica quotidiana



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	<p>Tepedino M. Il canino incluso, strategie per il successo</p> <p>Workshop on Mathematical modelling in biology and medicine, Arpino.</p> <p>Tepedino M. The role of the periodontal ligament in tooth movement predictive models.</p> <p>Albanian Dental Association – Innovation in Dentistry 2022, Tirana, Albania</p> <p>Tepedino M. Easy and predictable protocol for the extrusion of impacted canines.</p> <p>Workshop of the IRP Coss&amp;Vita: Metamaterials and biomechanics: from bio-inspiration to bio-metamaterials, Arpino. Tepedino M. FEM analysis in Orthodontics.</p> <p>Implantologia ed Ortodonzia invisibile – summit di primavera 2022, Firenze</p> <p>Tepedino M. Iancu Potrubacz M. Approccio evidence based al trattamento dell'open bite con nuvola op-system</p> <p>50th SIDO International Congress, Rome, Italy. Chimenti C, Tepedino M. Clear aligners: indications and limits Participating at a Consensus conference on orthodontic aligners and in writing a SIDO White paper on this topic.</p> <p>48th SIDO International Congress, Rome, Italy.</p> <p>Chimenti C, Tepedino M. The Nuvola appliance</p> <p>1st Congress of the Faculty of Dental Medicine – Kongresi Irë Fakultetit të Mjekësisë Dentare, Tirane, Albania.</p> <p>Tepedino M, Iancu Potrubacz M, Marchione L, Iljazi K, Chimenti C. Delivering physiologic force for extrusion of maxillary impacted canines</p> <p>3° Congresso Nazionale SIALIGN, Pescara, Italy. Tepedino M, Chimenti C. Efficacy of Nuvola aligners in controlling dental movements.</p> <p>XXVII Congresso Nazionale del Collegio dei Docenti di Odontoiatria, online.</p> <p>Tepedino M, Colasante P, Chimenti C. Effetti del trattamento con allineatori ortodontici sull'equilibrio occlusale e neuromuscolare in pazienti adulti.</p> <p>105th FDI Annual World Dental Congress, Madrid, Spain.</p> <p>Tepedino M, Iancu Potrubacz M, Fabbro O, Chimenti C. Delivering physiologic forces for the extrusion of impacted maxillary canines.</p> <p>XXIII Congresso Nazionale del Collegio dei Docenti di Odontoiatria, Rome, Italy. Tepedino M, Cornelis M, Chimenti C, Cattaneo PM. Valutazione per l'inserimento di miniviti ortodontiche: correlazione fra affollamento e spazi</p>
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	<p>interradicolari misurati su CBCT e ortopantomografie.</p> <p>104th FDI Annual World Dental Congress, Poznan, Poland. Tepedino M, Iancu Potrubacz M, Fabbro O, Chimenti C. A Cantilever System for Orthodontic Management of Maxillary Impacted Canines.</p> <p>XXII Congresso Nazionale del Collegio dei Docenti di Odontoiatria, Milan, Italy. Orthodontic Miniscrews: Comparing Insertion Torque And Stability For Self-Tapping And Self-Drilling Screws – An In Vitro Study.</p> <p>XXIII Congresso Internacional CRON-OM – “Odontologia Contemporanea Integrada”, Sao Paolo, Brasil. Treatment strategies for maxillary impacted canines.</p> <p>CRON-OM Congress – 21ème édition internationale “L'esthétique du sourire”, Casablanca, Morocco. La recuperation de l'espace chez le patient en croissance.</p> <p>101st FDI Annual World Dental Congress, Istanbul, Turkey. Tepedino M, Quinzi V, Iancu Potrubacz M, Meto A, Chimenti C. Serial extraction in early treatment.</p> <p>XX Congresso Nazionale del Collegio dei Docenti di Odontoiatria, Rome, Italy. Longitudinal effects of rapid maxillary expansion on masticatory muscles activity.</p>
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RESPONSIBILITY IN ACADEMIC ACTIVITIES	<p>Member of the Commission for Clinical Studies, Department of Biotechnological and Applied Clinical Sciences.</p> <p>SIDO-AIDOR Study Club 2021/2022</p> <p>Participation to the Organizing Committee as Regional Representative for the area Abruzzo/Umbria.</p> <p>SIOS 2020 – Nutrition, posture and performance. June the 6th 2020, Foggia, Italy. Member of the Scientific Committee.</p>
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<b>EDITORIAL BOARD, EDITORIAL ACTIVITIES, SOCIETY MEMBERSHIP</b>	<p>Review Editor for the journal <i>Frontiers in Physiology</i> (IF 2022 4.775, ISSN 1664-042X)</p> <p>Review Editor for the journal <i>Frontiers in Dental Medicine</i> (ISSN 2673-4915)</p> <p>Guest Editor of a special issue entitled "Airways and Malocclusion in Children", <i>Frontiers in Pediatrics</i> (IF 3.569, ISSN 2296-2360) and <i>Frontiers in Oral Health</i> (ISSN 2673-4842)</p> <p>Guest Editor of a Special Issue entitled "State of the Art in Comorbidities and Complications Associated with Sleep-Related Breathing Disorders", <i>Applied Sciences – Basel</i> (IF 2019 2.474, ISSN 2076-3417)</p> <p>Editorial Board member of "Journal of Clinical and Experimental Dentistry" (eISSN 1989-5488).</p> <p>Consulting Editor for the journal "Annali di Stomatologia" (Print ISSN 1824-0852 /Electronic ISSN 1971-1441)</p> <p>Member of the Review Board of the journal "Minerva Stomatologica" (ISSN 0026-4970).</p>
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<b>SCIENTIFIC ACHIEVEMENTS BIBLIOMETRIC INDICATORS</b>	<p><b>Scopus Author ID:</b> 6506122333    <a href="http://orcid.org/0000-0002-8646-9824">http://orcid.org/0000-0002-8646-9824</a></p> <p>Bibliometric indexes (source Scopus, 22/02/2024)</p> <p>83 documents, 754 total citations, Hirsh (H) index= 15.</p>
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<b>SELECTED PUBLICATIONS</b>	<p>Tepedino M, Montaruli G, Esposito R, Akhilanand C, Lorusso M, Laurenziello M, Ciavarella D. Skeletal and dental effects of function-generating bite appliance compared to rapid palatal expander and untreated controls. <i>Orthod. Craniofacial Res.</i> 2024;1–10.</p> <p>Tepedino M, Montaruli G, Esposito R, Akhilanand C, Lorusso M, Laurenziello M, Ciavarella D. Skeletal and dental effects of function-generating bite appliance compared to rapid palatal expander and untreated controls. <i>Orthod. Craniofacial Res.</i> 2024;1–10.</p> <p>Montaruli G, Dedola A, Zhurakivska K, Laurenziello M, Tepedino M, Celletti R, D'amario M, Troiano, G. Twenty eight months marginal bone level follow-up of an immediate post-extractive implant with immediate definitive loading. <i>Stomatologija</i> 2023;25:55–60.</p> <p>Ciavarella D, Campobasso A, Conte E, Burlon G, Guida L, Montaruli G, Cassano M, Laurenziello M, Illuzzi G, Tepedino M. Correlation between dental arch form and OSA severity in adult patients: an observational study. <i>Prog. Orthod.</i> 2023;24.</p>
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	<p>Ciavarella D, Maci M, Fanelli C, Lorusso M, Laurenziello M, Lo Muzio L, Caroprese M, Cazzolla AP, Tepedino M. Treatment of Mandibular Impacted Canine in a Patient with Class II Division 1 Malocclusion with "Reverse Pin": A Case Report. Med. 2023;59.</p> <p>Ciavarella D, Lorusso M, Campobasso A, Cazzolla AP, Montaruli G, Burlon G, Lo Muzio, Laurenziello M, Tepedino M. Craniofacial morphology in Obstructive Sleep Apnea patients. J. Clin. Exp. Dent. 2023;15:e999–1006.</p> <p>Tepedino M, Iancu Potrubacz M, Esposito R, Staderini E, Ciavarella D. Open Bite Treatment with Combined Aligners and Myofunctional Appliances: A Case Report. Appl. Sci. 2023;13:11696.</p> <p>Tortarolo A, di Benedetto L, Tonni I, Tepedino M, Vallelonga T, Piancino MG. Improvement in the transverse dimension of dental arches in mixed dentition patients with posterior crossbite treated with functional therapy. Angle Orthod. 2023;93:289–95.</p> <p>Tepedino M, Ciavarella D. A novel method for a precise and clean transfer of attachments during clear aligner therapy. AJO-DO Clin. Companion 2023;3:389–96.</p> <p>Tepedino M. The Mechanical Role of the Periodontal Ligament for Developing Mathematical Models in Orthodontics. Math. Mech. Complex Syst. 2023;11:525–39.</p> <p>Tepedino M, Esposito R, Iancu Potrubacz M, Xhanari D, Ciavarella D. Evaluation of the relationship between incisor torque and profile aesthetics in patients having orthodontic extractions compared to non-extractions. Clinical Oral Investigation. 2023; 27(9): 5233-5248. DOI: 10.1007/s00784-023-05143-7</p> <p>Ciavarella D, Campobasso A, Cazzolla AP, Suriano C, Lo Muzio E, Guida L, Salcuni F, Laurenziello M, Illuzzi G, Burlon G, Tepedino M. The efficacy of a modified mandibular advancement device for OSA treatment in a group of adult patients. Crano – The Journal of Craniomandibular and Sleep Practice. 2023. DOI: 10.1080/08869634.2023.2242061</p> <p>Ciavarella D, Maci M, Guida L, Cazzolla AP, Muzia E Lo, Tepedino M. Case Report Correction of Midline Deviation and Unilateral Crossbite Treated with Fixed Appliance. Case Rep. Dent. 2023;2023:1–11. DOI: 10.1155/2023/5620345</p> <p>Montaruli G, Virgilio S, Laurenziello M, Tepedino M, Ciavarella D. Maxillary</p>
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	<p>transverse deficit: a retrospective study of two biologically oriented devices through a digital workflow. <i>Bioengineering</i>. 2022; 9(1): 31</p> <p>Tepedino M, et al.. Bonding failures of lingual orthodontic brackets: a retrospective study comparing lingual brackets with Kommonbase extensions, to customized lingual brackets. <i>Applied Sciences</i>. 2022; 12(10): 4928.</p> <p>Ciavarella D, [...], Tepedino M. A new design of mandibular advancement device (IMYS) in the treatment of obstructive sleep apnea. <i>Cranio-The Journal of Craniomandibular practice</i>. 2022; epub ahead of print.</p> <p>Qeli E, Toti C, Odorici A, Blasi E, Tragaj E, Tepedino M, et al. Effectiveness of two different fluoride-based agents in the treatment of dentin hypersensitivity: a prospective clinical trial. <i>Materials (Basel)</i>. 2022; 15(3): 1266.</p> <p>Toti C, Meto A, kacani G, Droboniku W, Hysi D, Tepedino M, et al. White spots prevalence and tooth brush habits during orthodontic treatment. <i>Healthcare (Switzerland)</i>. 2022; 10(2): 320.</p> <p>Laganà G, Malara A, Koumoulis A, Tepedino M, Venza N, Cozza P. Bruxism, perceived anxiety and stress in university students. <i>Journal of Biological Regulators and Homeostatic Agents</i>. 2021; 35(2): 787-790.</p> <p>Tepedino M, et al. Long-term effect on adenoid dimensions and craniocervical angulation after maxillary expansion with fixed or functional appliances. <i>Journal of Clinical and Experimental Dentistry</i>. 2021; 13(6): e594-e600.</p> <p>Diwakar R, [...], Tepedino M. Effect of craniofacial morphology on pharyngeal airway volume measured using cone-beam computed tomography (Cbct)—a retrospective pilot study. <i>International Journal of Environmental Research and Public Health</i>. 2021; 18(9): 5040.</p> <p>Santori F, [...], Tepedino M. Effect of Class II functional treatment on facial attractiveness, as perceived by professionals and laypeople. <i>Scientific Reports</i>. 2021; 11(1): 13989.</p> <p>Ciavarella D, Tepedino M, Troiano G. State of the art in comorbidities and complications associated with sleep-related breathing disorders. <i>Applied Sciences</i>. 2021; 11(17): 8056.</p> <p>Tepedino M, et al. Interradicular sites and cortical bone thickness for miniscrew insertion: A systematic review with meta-analysis. <i>American</i></p>
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	<p>Journal of Orthodontics &amp; Dentofacial Orthopedics. 2020; 158: 783-798.</p> <p>Tepedino M, et al. Microtensile Bond Strength of Etch-and-Rinse Adhesives in Different Hydroabrasion Conditionings. International Journal of Dentistry. 2021; 2021 (Article ID 6649578). DOI: 10.1155/2021/6649578</p> <p>Ciavarella D, Tepedino M, et al. Respiratory and Cardiovascular Parameters Evaluation in OSA Patients Treated with Mandibular Advancement Device. Applied Sciences (Basel). 2020;10:8175. DOI: 10.3390/app10228175</p> <p>Tepedino M, et al. Craniofacial morphology in patients with obstructivesleep apnea: cephalometric evaluation. Brazilian Journal of Otorhinolaryngology. 2022; 88(2): 228-234. DOI: 10.1016/j.bjorl.2020.05.026</p> <p>Tepedino M, et al. In Vitro Shear Bond Strength of Orthodontic Brackets after Enamel Conditioning with Acid Etching and Hydroabrasion. Dentistry Journal. 2020; 8: 108. DOI: 10.3390/dj8040108</p> <p>Vermiglio G, Centofanti A, Ramieri G, Tepedino M, et al. Immunofluorescence Evaluation of Myf5 and MyoD in Masseter Muscle of Unilateral Posterior Crossbite Patients. Journal of Functional Morphology and Kinesiology. 2020; 5: 80. DOI: 10.3390/jfmk5040080</p> <p>Cervino G, Laino L, D'Amico C, Russo D, Nucci L, Amoroso G, Gorassini F, Tepedino M, et al. Mineral trioxide aggregate applications in endodontics: A review. European Journal of Dentistry. 2020; 14(4): 683-691. DOI: 10.1055/s-0040-1713073</p> <p>Tepedino M, et al. Dimensional variability of orthodontic slots and archwires: an analysis of torque expression and clinical implications. Progress in Orthodontics. 2020; 21:32. DOI: 10.1186/s40510-020-00333-5</p> <p>Burlon G, Tepedino M (et al. Evaluation of factors that influence the success rate of OSA treatment with a customised adjustable MAD device – a retrospective study. Acta Otorhinolaryngologica Italica. 2020; Epub.</p> <p>Cornelis MA*, Tepedino M*, et al. Treatment effect of bone-anchored maxillary protraction in growing patients compared to controls: a systematic review with meta-analysis. Eur J Orthod. 2020; 43(1): 51-68.</p> <p>Tarallo F, Mancini L, Pitzurra L, Bizzarro S, Tepedino M, Marchetti E. Use of platelet-rich fibrin in the treatment of grade 2 furcation defects: systematic review and meta-analysis. Journal of Clinical Medicine. 2020; 9:2014.</p> <p>Tepedino M, et al. Sella turcica and craniofacial morphology in patients with</p>
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	<p>palatally displaced canines: a retrospective study. <i>Folia Morphologica</i>. 2020; 79(19): 51-57. DOI: 10.5603/FM.a2019.0050</p> <p>Bosco E, [...], Tepedino M. Enamel preservation during composite removal after orthodontic debonding comparing hydroabrasion with rotary instruments. <i>Dental Materials Journal</i>. 2020; 39(3): 367-374.</p> <p>Tepedino M, et al. Morphometric analysis of sella turcica in growing patients: an observational study on shape and dimensions in different sagittal craniofacial patterns. <i>Scientific Reports</i>. 2019; 9(1): 19309.</p> <p>Cornelis MA, Tepedino M, et al. Root repair after damage due to screw insertion for orthodontic miniplate placement. <i>Journal of Clinical and Experimental Dentistry</i>. 2019;11(12):e1133-8. DOI: 10.4317/jced.56472</p> <p>Tarallo F, [...], Tepedino M. Biomarkers in the gingival crevicular fluid used to detect root resorption in patients undergoing orthodontic treatment: A systematic review. <i>Orthod &amp; Craniofacial Res</i>. 2019; 22(4): 236-247.</p> <p>Evrard A, Tepedino M, et al. Which factors influence orthodontists in their decision to extract? A questionnaire survey. <i>Journal of Clinical and Experimental Dentistry</i>. 2019;11(5):e432-e438.</p> <p>Troiano G, Caponio VCA, Adipietro I, Tepedino M, et al. Prognostic significance of CD68+ and CD163+ tumor associated macrophages in head and neck squamous cell carcinoma: A systematic review and meta-analysis. <i>Oral Oncology</i>. 2019;93:66-75. DOI: 10.1016/j.oraloncology.2019.04.019</p> <p>Tepedino M, et al. Dentoskeletal effects of the Bite-Jumping Appliance and the Twin-Block Appliance in the treatment of skeletal Class II malocclusion: A retrospective controlled clinical trial. <i>Oral &amp; Implantology</i>. 2018;11(4):210-219.</p> <p>Tepedino M, et al. Correlation between dental crowding and interradicular distances measured on CBCT and panoramic radiograph. An evaluation for miniscrew insertion. <i>Dental Press J Orthod</i>. 2018; 23(5): 39.e1-13.</p> <p>Piancino MG, Tepedino M et al, Condylar long axis and articular eminence in MRI in patients with temporomandibular disorders. <i>Cranio: The Journal of Craniomandibular Practice</i>, 2018; Epub ahead of print.</p> <p>Iancu Potrubacz M, [...], Tepedino M. Retrospective evaluation of treatment time and efficiency of a predictable cantilever system for orthodontic extrusion of maxillary impacted canines. <i>Am J Orthod Dentofacial Orthop</i>, 2018; 154(1); 55-64.</p>
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	<p>Tepedino M, et al. Post-orthodontic lower incisor inclination and gingival recession – A systematic review. <i>Prog Orthod</i>, 2018; 19(17); 1-7.</p> <p>Tepedino M, et al. Movement of anterior teeth using clear aligners: a three-dimensional, retrospective evaluation. <i>Prog Orthod</i>, 2018; 19(9);1-8.</p> <p>Ciavarella D, Tepedino M, et al. Swallowing and Temporomandibular Disorders in Adults. <i>J Craniofacial Surg</i>, 2018; 29(3): e262-e267.</p> <p>Ciavarella D, Tepedino M et al. Correlation between Body Mass Index and Obstructive Sleep Apnea severity indexes – a retrospective study. <i>American Journal of Otolaryngology</i>. 2018; DOI: 10.1016/j.amjoto.2018.03.026</p> <p>Tepedino M, et al. Expansion of permanent first molars with rapid maxillary expansion appliance anchored on primary second molars. <i>Journal of Clinical and Experimental Dentistry</i>. 2018; 10(3):e241-7. DOI: 10.4317/jced.54585.</p> <p>Tepedino M, et al. Average interradicular sites for miniscrew insertion: should dental crowding be considered? <i>Dental Press J Orthod</i>. 2017; 22(5): 90-7.</p> <p>Tepedino M, et al. Predictable method to deliver physiologic force for extrusion of palatally impacted maxillary canines. <i>Am J Orthod Dentofacial Orthop</i>. 2018; 153(2):195-203.</p> <p>Laurenziello M, Montaruli G, Gallo C, Tepedino M, Guida L, Perillo L, Troiano G, Lo Muzio L, Ciavarella D. Determinants of maxillary canine impaction: retrospective clinical and radiographic study. <i>Journal of Clinical and Experimental Dentistry</i>. 2017;9(11):e1304-9. Doi: 10.4317/jced.54095</p> <p>Di Palma E, Tepedino M et al. Effects of the functional orthopaedic therapy on masticatory muscles activity. <i>J Clin Exper Dent</i> 2017; 9(7): e886-e891.</p> <p>Tepedino M, et al. Comparative evaluation of insertion torque and mechanical stability for self-tapping and self-drilling orthodontic miniscrews – an in vitro study. <i>Head &amp; Face Medicine</i>. 2017; 13:10,</p> <p>Di Palma E, Tepedino M et al. Longitudinal effects of rapid maxillary expansion on masticatory muscles activity. <i>J Clin Exper Dent</i> 2017; 9(5): e635-e640.</p>
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