

# Leonardo Koerich

## Education

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- Virginia Commonwealth University**, Richmond, VA Jan 2015- May 2017  
International Dental Program
- Class rank: 1<sup>st</sup>.
- Federal University of Rio de Janeiro**, Rio de Janeiro, Brazil Jan 2011- March 2013  
Residency in Orthodontics
- Master's in Orthodontics awarded.
- University of North Carolina**, Chapel Hill, NC Nov 2009- Nov 2010
- Research Fellow
- Federal University of Santa Catarina**, Florianópolis, Brazil March 2005- Aug 2009  
Dental School
- D.D.S. degree awarded.

## Chapters in books

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1. Koerich L. TCFC na Ortodontia (CBCT in Dentistry). In: Parsekian Martins et al.(ed). **Alinhadores e Ortodontia Digital (Aligners and Digital Dentistry)**: Dental Press, 2020. Portuguese.
2. Koerich L, Lindauer SJ, Tufekci E. 3D Imaging to Assess Growth and Treatment Effects. In: Kadioglu O, Frans Currier G (ed). **Craniofacial 3D Imaging: Current Concepts in Orthodontics and Oral and Maxillofacial Surgery**: Springer, 2019:51.
3. Kim YJ, Park YH, Koerich de Paula L, Conley RS. Three-dimensional assessment of surgical outcomes. In: Kapila S (ed). **Cone Beam Computed Tomography in Orthodontics: Indications, Insights, and Innovations**: Wiley-Blackwell, 2013:386: 2014.

## Research - Peer-reviewed publications

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1. Claus JDP, Koerich L, Weissheimer A, Almeida MS, Belle de Oliveira R. Assessment of condylar changes after orthognathic surgery using computed tomography regional superimposition. **Int J Oral Maxillofac Surg** 2019 Sep 48(9) 1201-1208.
2. Bianchi J, Porciúncula GM, Koerich L, Ignácio J, Wolford LM, Gonçalves JR. Three-dimensional stability analysis of maxillomandibular advancement surgery with and without articular disc repositioning. **J Craniofac Surg**. 2018 Aug 46(8) 1348-1354.
3. Deeb G, Koerich L, Whitley D 3<sup>rd</sup>, Bencharit S. Computer-guided implant removal: A clinical report: **J Prosthet Dent**. 2018 120(6) 796-800.
4. Koerich L, Weissheimer A, Koerich LE, Luz D, Golob Deeb J. A technique of CBCT superimposition in implant dentistry. **J Oral Implantology**. 2018 44(5): 365-369.
5. Koerich L, Brunetto DP, Ohira ETB, The effect of hard tissue surgical changes on the soft tissue displacement: a pilot CBCT study. **Dental Press J Orthod**. 2017 Sep-Oct; 22(5):39-46.
6. Koerich L, Interview for **Kieferorthopadie Nachrichten** from Germany. 2017 Jan-Feb.
7. Koerich L, Weissheimer A, de Menezes LM, Lindauer SJ. Rapid 3D mandibular superimposition for growing patients. **Angle Orthod**. 2017 87(3):473-479.
- Koerich L, Lindauer SJ, Weissheimer A. Letters from our readers. **Angle Orthod**. 2017 87(6):926.
8. Koerich L, Burns D, Weissheimer A, Claus JP. Three-dimensional maxillary and mandibular regional superimposition using cone beam computed tomography: a validation study. **Int J Oral Maxillofac Surg** 2016 May; 45(5):662-699.

9. Koerich L, Ruellas ACO, Paniagua B, Styner M, Turvey T, Cevidanes LHS. Three-dimensional regional displacement after surgical-orthodontic correction of Class III malocclusion. **Orthod and Craniofacial Research** 2016 May; (19)2:65-73.
10. Weissheimer A, Menezes LM, Koerich L, Pham J, Cevidanes L. Fast 3D superimposition of CBCT for orthopedics and orthognathic surgery evaluation. **Int J Oral Maxillofac Surg** 2015 Sep; 44(9):1188-1196.
11. Koerich L, Ruellas, ACO. Facilitating direct bonding for lingual retainers. **Int J Orthod Milwaukee** 2015 Summer; 26(2):37-38.
12. Koerich L, Solon-de-Mello PA, Mattos CT, Sant'Anna EF, Ruellas ACO. Influence of structural superimposition and magnification in cephalometric diagnosis. **Dental Press J Orthod** 2015 Mar-Apr; 20(2):29-34.
13. Porciuncula GM, Koerich L, Eidson L, Gandini Jr LG, Gonçalves JR. Can CBCT superimposition help orthodontists to better understand relapse in surgical patients?. **Am J Orthod Dentofacial Orthop** 2014 Nov; 146(5):641-654.
14. Brunetto DP, Velasco L, Koerich L, Araujo MT. Prediction of 3-dimensional pharyngeal airway changes after orthognathic surgery: A preliminary study. **Am J Orthod Dentofacial Orthop** 2014 Sep; 146(3):299-309.
  - Brunetto DP, Koerich L, Araújo MT. Authors' response. **Am J Orthod Dentofacial Orthop**. 2015 Jan; 147(1):8-9.
15. Ruellas ACO, Koerich L, Mattos CT, Baratieri C, Alver Jr M, Brunetto D, et al. Reliability of CBCT in the diagnosis of dental asymmetry. **Dental Press J Orthod** 2014 Mar-Apr; 19(2):90-5.
16. Nguyen T, Cevidanes L, Paniagua B, Zhu H, Koerich L, De Clerck H. Use of shape correspondence analysis to quantify skeletal changes associated with bone-anchored Class III correction. **Angle Orthod** 2014 84(2):329-336.
17. Franco AA, Cevidanes LH, Phillips C, Rossouw PE, Turvey TA, Carvalho FD, de Paula LK, et al. Long-term 3-dimensional stability of mandibular advancement surgery. **J Oral Maxillofac Surg** 2013 71(9):1588-1597
18. de Paula LK, Ruellas AC, Paniagua B, Styner M, Turvey T, Zhu H, et al. One-year assessment of surgical outcomes in Class III patients using cone beam computed tomography. **Int J Oral Maxillofac Surg** 2013;42:780-889.
19. Fulco GM, de Paula LK, Pereira HSG, da Silva JS, Guedes FR, Ruellas, ACO. Análise comparativa entre cefalometrias manuais e cefalometrias obtidas através de tomografia computadorizada de feixe cônico. **Revista ABRO** 2012;13:73-86
20. De Clerck H, Nguyen T, de Paula LK, Cevidanes L. Three-dimensional assessment of mandibular and glenoid fossa changes after bone-anchored Class III intermaxillary traction. **Am J Orthod Dentofacial Orthop** 2012;142:25-31.
21. Rocha R, Ritter DE, Locks A, de Paula LK, Santana RM. Ideal treatment protocol for cleft lip and palate patient from mixed to permanent dentition. **Am J Orthod Dentofacial Orthop** 2012;141:S140-148.
22. Eidson L, Cevidanes LH, de Paula LK, Hershey HG, Welch G, Rossouw PE. Three-dimensional evaluation of changes in lip position from before to after orthodontic appliance removal. **Am J Orthod Dentofacial Orthop** 2012;142:410-418.
23. de Paula LK, Ackerman JL, Carvalho Fde A, Eidson L, Cevidanes LH. Digital live-tracking 3-dimensional minisensors for recording head orientation during image acquisition. **Am J Orthod Dentofacial Orthop** 2012;141:116-123.
24. Nguyen T, Cevidanes L, Cornelis MA, Heymann G, de Paula LK, De Clerck H. Three-dimensional assessment of maxillary changes associated with bone anchored maxillary protraction. **Am J Orthod Dentofacial Orthop** 2011;140:790-798.
25. Triches TC, Paula LK, Filho MX, Bolan M. Apical fenestration and ectopic eruption - effects from trauma to primary tooth: a clinical case report. **Dent Traumatol** 2011;27:74-76.

## Research - Oral Presentations

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1. Rapid 3D mandibular superimposition for growing patients. 117<sup>th</sup> Annual Session of the American Association of Orthodontics. San Diego – April 2017.
2. Three-dimensional maxillary and mandibular regional superimposition using cone beam computed tomography: a validation study. 116<sup>th</sup> Annual Session of the American Association of Orthodontics. Orlando - May 2016.
3. 38<sup>th</sup> International Conference on Craniofacial Research “Presymposium”. One year assessment of surgical outcomes in Class III patients using CBCT. University of Michigan - Ann Arbor – March 2012.

## Honors and Awards

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<b>Omicron Kappa Upsilon Dental Honor Society</b> Inducted for accomplishments during dental school.	2017
<b>American Association of Orthodontics</b> Recognition for contributions to the specialty during dental school.	2017
<b>American Academy of Oral and Maxillofacial Radiology</b> Recognition for contributions to the specialty during dental school.	2017
<b>Research and Clinic Day at Virginia Commonwealth University</b> Best research - International Dental Program category.	2017
<b>Dean`s List</b> 1 <sup>st</sup> in class during throughout Dental School.	2017
<b>A. D. Williams Student Research Fellowship.</b> Awarded by the National Institute of Health through VCU.	2016
<b>Research and Clinic Day at Virginia Commonwealth University</b> American Association for Dental Research and Omicron Kappa Upsilon awards.	2016
<b>A. D. Williams Student Research Fellowship</b> Awarded by the National Institute of Health through VCU.	2015
<b>Scholarship for Masters Education</b> Awarded by the Capes Foundation - Brazilian government.	2011-13
<b>Helen and B.F. Dewel Award, American Journal of Orthodontics &amp; Dentofacial Orthopedics</b> Co-author of the best clinical research article of 2011.	2012
<b>Honorable mention for poster presentation - Brazilian Society for Dental Research</b> Three-dimensional evaluation of mandibular changes after orthognathic surgery.	2011
<b>Scholarship for Anatomy Teaching Assistant</b> Awarded by the Federal University of Santa Catarina.	2006-07