

Dr. Víctor Beltrán Varas

Summary

Dr Beltrán is currently an Associate Professor at the Faculty of Dentistry, Universidad de La Frontera (UFRO), Temuco, Chile. He is also the founder and director of the Clinical Investigation and Dental Innovation Center (CIDIC), UFRO. Within this center there is a policlinic for the development of multiple research projects related to technological innovations in dental medicine, applications in teledentistry and bone regeneration, and also endeavors aiming to serving the local and regional community.
<http://odontologia.ufro.cl/index.php/centro-investigacion-cidic>

Dr Beltrán finished his doctoral program in dentistry at the Faculty of Medicine of the Georg-August Göttingen Universität, Germany, with magna cum laude (2016). Before that, he completed his master program in dental sciences at UFRO (2012). He specialized in periodontology and oral implantology at the Faculty of Dentistry of the Universidad de Concepción, Concepción, Chile (2009). He graduated as a dentist at the Universidad of Antofagasta, Chile (2006).

He has participated as the main and co-researcher in several projects in teledentistry, oral microsurgery and implantology aided by endoscopic systems and regenerative bone medicine. On this line of research, he has participated in many publications in recognized scientific journals and collaborations in book chapters for well-known publishers.

Academic Background

- Associate Professor, Department of Adult Dentistry, Faculty of Dentistry, Universidad de la Frontera, Temuco, Chile. (2017 – Present time)
- Doctor in Dentistry, Georg -August -Göttingen Universität, Germany (2016)
- Master in Dentistry, Universidad de la Frontera, Temuco, Chile (2012)
- Fellow in Oral Microsurgery and Minimally-Invasive Oral Implantology, Bilateral Interchange Program for Scientists DAAD-CRUNCH (German Service for Academic Interchange – Council of Rectors of Chilean Universities) (2011).
- Specialist in Periodontics and Oral Implantology, Universidad de Concepción, Concepción, Chile (2009)
- Dentist degree, Universidad de Antofagasta, Antofagasta, Chile (2006)

Academic Collaborations

- Honorary Senior Research Fellow in Centre for Oral Immunobiology and Regenerative Medicine within the Institute of Dentistry, Queen Mary University of London, London, United Kingdom (2019 – Present Time)
- Visiting Professor for the Specialization Program of Oral and Maxillofacial implantology at Universidad de Chile, Santiago, Chile (2019 – Present Time)
- Visiting Professor for the Specialization Program of Periodontics at Universidad de Guadalajara, Guadalajara, Mexico (2019 – Present Time)
- Visiting Professor for the Specialization Program of Periodontics at Universidad Santo Tomas de Bucaramanga, Bucaramanga, Colombia (2018 – Present Time)

Contact Details

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- Personal Address: Aragon 125B, Dpto 803, Temuco, Chile

Highlighted Academic Participations

- Member of the Evaluation Committee of Medical Sciences for the Program of Formation of Advanced Human Capital of the National Commission of Science and Technology of Chile (CONICYT-Chile). Responsible for the evaluation of submissions for post-graduate grants (master and PhD programs). (2016 – Present Time).
- Director of the post-graduate program and research, Faculty of Dentistry, Universidad de la Frontera, Chile. (September 2016 – October 2017).
- Representative of the Faculty of Dentistry for the Consulting Committee of Innovation and Technological Transfer, Universidad de la Frontera, Chile (July 2016 – October 2017).
- Evaluator and Consultant for the National Commission of Accreditation (CNA) for the Accreditation of the Post-graduate Specialization Program of Periodontics (2017 and 2019).
- Permanent Member of the Ethics Committee of Universidad de la Frontera (2019 – 2020).
- Postgraduate Academic Director, Universidad de La Frontera (May 2021 – Present Time)
- Leader thematic area of teledentistry, aging network (line of geriatric dentistry), CUECH - State Universities of Chile.

Participations as lecturer, Keynote Presenter, and Specialization Course Facilitator

Lecturer and keynote presenter at multiple congresses, meetings and international events in different countries, such as Chile, Argentina, Colombia, México, Spain, United Kingdom, Germany and The Netherlands. The most relevant being the following:

- XXXII Reunión Anual de la IADR División! Chile, 30 y 31 de Julio, 2020. Escuela de Odontología de la Pontificia Universidad Católica de Chile. Conferencista Invitado "Regeneración ósea y periimplantitis: Aplicaciones diagnósticas y terapéuticas mediante imagenología clínica experimental"
- 49 Simposio Internacional en Teleodontología. Del concepto a la práctica, experiencias nacionales e Internacionales. Conferencista internacional invitado. Facultad de Odontología, Universidad de Antioquia, Colombia. 18 y 19 de Septiembre 2020.
- Programa institucional versión 2020 "De País en País: América Latina 2020". Este programa tiene como objetivo fortalecer las excelentes relaciones que históricamente han mantenido Colombia y los países de la región, en la cooperación académica, científica y cultural. Ponente invitado al conversatorio en modalidad virtual: "Teleodontología y teleeducación"
- ESCUELA DE VERANO EN INICIACIÓN EN INVESTIGACIÓN PARA ESTUDIANTES DE PREGRADO DE LAS CIENCIAS DE LA SALUD (EVIS). Conferencia "Plataforma tecnológica semi-presencial de apoyo para las atenciones odontológicas de urgencia y prioritarias del adulto mayor (TEGO) en el contexto de la pandemia COVID-19". 15 de Enero 2021

- VI Jornada de Investigación en Odontología - Facultad de Odontología, Universidad de La Frontera. Conferencia "Avances en el desarrollo de una plataforma tecnológica semi-presencial de apoyo para atenciones odontológicas de urgencia y prioritarias del adulto mayor en el contexto de la pandemia COVID-19 en población Chilena". 4 de Diciembre 2021
- CONGRESO 10 AÑOS IMPLANTOLOGÍA USS "DERRIBANDO FRONTERAS". Conferencia "Transformación de la tele-odontología para las personas mayores en tiempos de pandemia". 20 de Diciembre del 2021.
- NIHR Symposium. "Understanding Peri-implantitis: Prevention, Aetiopathogenesis and Management. Shaping the future research agenda". London, United Kingdom. 26th & 27th February 2020.

https://nihrperiimplantitis.com/?fbclid=IwAR2nCVKXoxTZGzPqN8fO912E4hujlaAk7_vOXFTdtAGQZ-NKO3EHYZcPZCY

- Director of the Advanced Oral Implantology Diploma Program, organized by the Chilean Society of Oral Implantology in collaboration with the German Center of Oral Implantology (DZOI). 1st version for the theoretical, practical and clinical training of specialists (December 2018 – June 2019).

<https://www.sioch.cl/web/diplomado-en-implantologia-oral-avanzado/>

- IADR Chilean Division. Conference: "High magnification imageology in oral and implant microsurgery" 6th and 7th of September, 2018, Santiago, Chile.

<https://www.iadrchile.cl/actividades/>

- Course Facilitator: "Minimally invasive maxillary sinus floor elevation", held at the Sagrat Cor University Hospital, Department of Oral and Maxillofacial Surgery, Barcelona, Spain, and University of Barcelona, Spain. 22nd and 23rd of November 2014.

<https://www.quironsalud.es/es/comunicacion/notas-prensa/idcsalud-sagrat-cor-hospital-universitari-organiza-curso-pe>

- Guest Lecturer for the post-graduate program "Curriculum in Oral Implantology", German Center of Oral Implantology (DZOI), University Hospital of Göttingen, Germany (2013, 2014, 2015, 2017, 2018).

https://www.dzoi.de/index.php?article_id=74

<https://www.prvhh.de/newsroom/deutsches-zentrum-fuer-orale-implantologie-e-v-dzoi/pressemeldung/news/detail/News/ein-absoluter-gluecksfall/>

Active Memberships in Scientific Communities

- President of the Temuco Branch of the Oral Implantology Society of Chile (2018 – Present time).
- Active Member of the Periodontics Society of Chile.
- Active Member of the Human Anatomy Society of Chile.
- Active Member and Guest Lecturer at the Deutsches Zentrum für Orale Implantologie (German Center for Oral Implantology), DZOI, Germany.

Reviewer or Arbiter for Scientific Journals

- Reviewer, Computer Methods and Programs in Biomedicine, Elsevier (WoS, Q1)
- Reviewer, International Journal of Nanomedicine, Frontiers of Medicine (WoS, Q1)
- Reviewer, Archives of Oral Biology, Elsevier (WoS, Q2)
- Reviewer, Journal of Biomedical Materials Research Part B: Applied Biomaterials. Wiley (WoS, Q2)
- Journal of Oral Biology and Craniofacial Research (PubMed Central)
- Reviewer, Journal of Oral Research (Scopus)
- Reviewer, Case Reports in Otolaryngology (Scopus)
- Member of the Editorial Committee, Revista Mexicana de Periodontología
- Reviewer, IBIMA Publishing
- Reviewer, Acta Odontológica Colombiana
- Review Editor on the Editorial Board of Community Oral Health (specialty section of Frontiers in Oral Health) <https://www.frontiersin.org/journals/oral-health/sections/community-oral-health#editorial-board>

Participation in national research projects (ANID)

- Project title: ***“Desarrollo de una membrana antibacteriana con capacidad regenerativa ósea para uso potencial en el tratamiento de la periimplantitis”***. ***“Development of an antibacterial membrane with bone regenerative capacity for potential use in the treatment of peri-implantitis”***. Funding: National Commission of Science and Technology of Chile (ANID-Chile)

Project Number: FONDEF no ID200i10279; Project length: October 2020 - December 2022.

Participation: **Director**.

Participating institutions: School of Dentistry, Universidad de La Frontera, Chile. Universidad de Antofagasta, Chile. Clinical Oral Research Center of Queen Mary University of London, UK. Division of Regenerative Medicine, University of Nottingham, UK.

Funding: \$ 200.000.000 Chilean pesos (aprox. \$ 282.645 USD)

- Project title: ***Semi-presencial technological support platform for urgent and priority dental care for the elderly in the context of the COVID-19 pandemic in the Chilean population***. Funding: National Commission of Science and Technology of Chile (ANID-Chile). Project Number: COVID 0766 Project length: July 2020 - July 2021. Participation: **Principal Investigator**. Participating institutions: Universidad de La Frontera, Chile. Universidad de Chile, Chile. Universidad San Sebastián, Chile. Universidad de Antofagasta, Chile. Universidad de Talca, Chile. Funding: \$ 72.000.000 Chilean pesos (aprox. \$ 101.752 USD)
- Project title: ***Immunohistochemical, histochemical and endoscopic analysis of bone tissue associated to peri-implantitis: Development of an experimental model In Vivo and In Vitro***.

Funding: National Commission of Science and Technology of Chile (CONICYT-Chile). Project Number: REDI170658-Conicyt, Chile; Project length: January 2020 - April 2020.

Participation: **Principal Investigator.**

Participating institutions: School of Dentistry, Universidad de La Frontera, Chile. School of Dentistry, Universidad de Talca, Chile. School of Dentistry, Universidad de Concepción, Chile. Faculty of Medicine, Universidad de Barcelona, Spain. Clinical Oral Research Center of Queen Mary University of London, UK.

Funding: \$ 18.000.000 Chilean pesos (aprox. \$ 25.438 USD)

- Project Title: **Histological and Histomorphometric Analysis of the Biological Events Triggered in the Bone-Implant Contact on Titamax-Ex Implants Placed in Two Different Sequences of Bone Drilling into Bone type 1 and 4 on Humans Beings.** Funding: ILAPEO, Brasil.
Project Number: DI12-PE06
Project length: January 2012 – December 2014
Participation: **Principal Investigator.**
Participating Institutions: School of Dentistry, Universidad de la Frontera, Chile.

- Project Title: **Evaluation of Flapless Microsurgical Tooth Removal.**
Funding: DAAD-CRUNCH (German Service for Academic Interchange – Council of Rectors of Chilean Universities)
Project length: 8 months (2011)
Participation: **Principal Investigator**
Participating Institution: Department Oral and Maxillofacial Surgery, Georg August Göttingen Universität, Germany.

- Project Title: **Alveolar Ridge Regeneration following the removal of ankylosed anterior root using osteotomy socket preservation and microsurgical internal exodontia.** Funding: **Degradable Solutions, Sunstar, Switzerland.**
Project Number: DI12-PE08 Project length: January 2012 – December 2015
Participation: **Principal investigator**
Participating Institutions: Department Oral and Maxillofacial Surgery, Georg August Göttingen Universität, Germany. School of Dentistry, Universidad de la Frontera, Chile.

Participation in national research projects

- Project Title: **Evaluation of in vivo vascular hemodynamics of the alveolar post-extraction socket through experimental endoscopic imaging.** Funding: Universidad de la Frontera, Chile. Project Number: DI17-0170; Project length: January 2017 – January 2019 Participation: **Principal Investigator.** Participating Institutions: School of Dentistry, Universidad de la Frontera, Chile.
- Project Title: **Development of a surgical instrumental kit to perform atraumatic flapless root extraction through endoscopically assisted 3D surgical guide: A pilot study.** Funding: Innovation Contest “Inicia Tu Idea”, Universidad de la Frontera, and Universidad de los Andes, Chile. Project length: 10 months (2017) Participation: **Principal Investigator.** Participating Institutions: School of Dentistry, Universidad de la Frontera, Chile. School of Dentistry, Universidad de los Andes, Chile.
- Project Title: **Development of a saliva-based test as biomarker for activity and therapeutic response in rheumatoid arthritis.** Funding: Innovation Contest “Inicia Tu Idea”, Universidad de la Frontera, and Universidad de los Andes, Chile. Project length: 10 months (2017). Participation: **Alternate Director.** Participating Institutions: School of Dentistry, Universidad de la Frontera, Chile. School of Dentistry, Universidad de los Andes, Chile.
- Project Title: ***Development of a clinical molecular method for monitoring dental implants through the determination of extracellular vesicles and micro RNA at the peri-implant fluid level.*** Funding: Innovation Contest “Inicia Tu Idea”, Universidad de la Frontera, and Universidad de los Andes, Chile. Project length: 12 months (2018). Participation: **Alternate Director.** Participating Institutions: School of Dentistry, Universidad de la Frontera, Chile. School of Dentistry, Universidad de los Andes, Chile.
- Project Title: ***Basic prototype for carrying out surgical oral interventions through 3D technology and virtual reality training.*** Funding: Macrofaculty of Engineering, Universidad de la Frontera, Universidad de Talca, Universidad del Biobio, Chile. Project length: 10 months (2018); Participation: **Alternate Director.** Participating Institutions: Universidad de la Frontera, Chile.

Participation in WoS (Web of Science) publications in the last 10 years.

1. **Beltrán V**, von Marttens A, Acuña-Mardones P, Sanzana-Luengo C, Rueda S, Alvarado E, Flores M, Cerda A, Venegas B.
Implementation of a Teledentistry Platform for Dental Emergencies for the Elderly in the Context of the COVID-19 Pandemic in Chile.
10 Feb 2022, (Accepted/In press) In: Biomed Res Int.
2. Sousa V, Moaven H, Yogarajah A, Betancur D, **Beltrán V**, Lara-Pompa N, Nanayakkara L, Donos N.
Public involvement in research: Exploring periodontal and peri-implant health and disease in partnership with Perio@RLH Patient Forum members.
4 Nov 2021, (Accepted/In press) In: British Dental Journal.
3. **Beltrán V**, Weber B, Lillo R, Manzanares MC, Sanzana C, Fuentes N, Acuña-Mardones P, Valdivia-Gandur I.
Histomorphometric Analysis of Osseointegrated Grade V Titanium Mini Transitional Implants in Edentulous Mandible by Backscattered Scanning Electron Microscopy (BS-SEM).
Metals 2021, 11, 2. <https://doi.org/10.3390/met11010002>
4. Flores V, Venegas B, Donoso W, Ulloa C, Chaparro A, Sousa V, **Beltrán V**.
Collagen Quantification in Peri-implant Soft Tissues in Human Peri-Implantitis Lesions.
Int J Morphol 39 (3):683-687, 2021
5. von Marttens A, Perilla A, Wen S, Acuña P, **Beltrán V**.
Implant-Supported Maxillary and Mandibular Rehabilitation in a Patient With Hallermann-Streiff Syndrome.
J Craniofac Surg. 2021 Jan-Feb 01;32(1):e20-e23. doi: 10.1097/SCS.00000000000006832
6. Arraño D, Chaparro A, Lazzarini M, Acuña-Mardones P, Engelke W, **Beltrán V**.
In situ endoscopic analysis of bone microstructure and vascularization in post-extraction sites immediately after a minimally invasive vertical tooth extraction in teeth with different periodontal status.
International Journal of Morphology, 38, 1735–1741, 2020. <https://doi.org/10.4067/S0717-95022020000601735>
7. Chaparro A, Atria P, Realini O, Monteiro LJ, Betancur D, Acuña-Gallardo S, Ramírez V, Bendek MJ, Pascual A, Nart J, **Beltrán V**, Sanz A.
Diagnostic potential of peri-implant crevicular fluid microRNA-21-3p and microRNA-150-5p and extracellular vesicles in peri-implant diseases.
J Periodontol. 2020 Nov 13. doi: 10.1002/JPER.20-0372
8. Esparza E, **Beltrán V**, Beltrán P.
La obligación de informar y el consentimiento informado en Odontología: una mirada crítica más allá de la regulación normativa. Acta bioeth.
2020, vol.26, n.2, pp.195-204. ISSN 1726 569X <http://dx.doi.org/10.4067/S1726-569X2020000200195>.
9. Chaparro Padilla A, Weber Aracena L, Realini Fuentes O, Albers Busquetts D, Hernández Ríos M, Ramírez Lobos V, Pascual la Rocca A, Nart Molina J, **Beltrán Varas V**, Acuña-Gallardo S, Sanz Ruiz A.
Molecular signatures of extracellular vesicles in oral fluids of periodontitis patients.

10. **Beltrán V**, Lazzarini M, Figueroa R, Sousa V, Engelke W.
In Situ Endoscopic Analysis of Vascular Supply and Regenerated Alveolar Bone in β -TCP Grafted and Ungrafted Postextraction Sites before Implant Placement: A Prospective Case Control Study. Biomed Res Int. 2019 Nov 6;2019:2797210
11. Valdivia-Gandur I, **Beltrán V**, Borie E, Astudillo-Rozas W, Aceituno-Antezana O, Ferrer- Valdivia N, Engelke W.
Sinus Floor Augmentation by Intraoral Endoscopic Approach for Biomaterial Study in a Rabbit Model. In Vivo. 2019 Nov-Dec;33(6):1843-1849
12. Engelke W, **Beltrán V**.
Endoscopic Approach to Remove a Dental Implant With Simultaneous Laser-Cystectomy. J Craniofac Surg. 2019 Jan;30(1):e11-e12
13. Wen S, **Beltrán V**, Chaparro A, Espinoza F, Riedemann JP.
Association between chronic periodontitis and rheumatoid arthritis. A systematic review. Rev Med Chil. 2019 Jun;147(6):762-775
14. **Beltrán V**, Lillo R, Weber B, Valdivia-Gandur I, Manzanáres-Céspedes MC, Engelke W. **Immediate Small-Diameter Implants as Abutments for an Overdenture in the Edentulous Atrophic Mandible: Report of Immersion Endoscopic Bone in vivo, and Histologic Bone- Implant Evaluation After 6 Months of Function.** Int. J. Morphol., 37(2):452-458, 2019.
15. Lillo R, Gilda Corsini G, Venegas B, Chuhuaicura P, **Beltrán V**.
Osteogenerative behavior of a new xenograft in a maxillary sinus lift: Computed tomographic and histological findings. Int J Clin Exp Med 2019;12(4):4403-4408.
16. Engelke W, Lazzarini M, **Beltrán V**.
Hard Tissue Preservation in Minimally Invasive Mandibular Third Molar Surgery Using In Situ Hardening TCP Bone Filler. Biomed Res Int. 2018 Nov 11;2018:5274754. doi: 10.1155/2018/5274754.
17. Valdivia-Gandur I, Engelke W, **Beltrán V**, Borie E, Fuentes R, Manzanares-Céspedes MC. **Novel use of cranial epidural space in rabbits as an animal model to investigate bone volume augmentation potential of different bone graft substitutes.** Head Face Med Dec 1;12(1):35, 2016.
18. **Beltrán V**, Lazzarini M, Lillo R, Fuentes R, Valdivia-Gandur I, Stühmer W, Engelke W.
The use of cortical particulate allograft mixed with plasma-rich fibrin in severe maxillary alveolar ridge atrophy. Int J Clin Exp Med 9(2):2229-2236, 2016
19. Engelke W, Lazzarini M, Stühmer W, **Beltrán V**.
Support Immersion Endoscopy in Post-Extraction Alveolar Bone Chambers: A New Window for

Microscopic Bone Imaging In Vivo.

PLoS One 10(12):e0145767, 2015

20. Decco O, **Beltrán V**, Zuchuat J, Cura A, Lezcano MF, Engelke W.
Bone Augmentation in Rabbit Tibia Using Microfixed Cobalt-Chromium Membranes with Whole Blood and Platelet-Rich Plasma.
Materials; (8):4843-4856, 2015
21. Decco O, Cura A, **Beltrán V**, Lezcano M, Engelke W.
Bone augmentation in rabbit tibia using microfixed cobalt-chromium membranes with whole blood, tricalcium phosphate and bone marrow cells.
Int J Clin Exp Med 15;8(1):135-44, 2015
22. Engelke W, Leiva C, Wagner G, **Beltrán V**.
In vitro visualization of human endodontic structures using different endoscope systems. Int J Clin Exp Med 15;8(3):3234-40, 2015
23. Engelke W, **Beltrán V**, Decco O, Valdivia-Gandur I, Navarro P, Fuentes R.
Changes in morphology of alveolar buccal walls following atraumatic internal root fragmentation. Int J Morphol 33(2):491-496, 2015
24. Fernández RF, Bucchi C, Navarro P, **Beltrán V**, Borie E.
Bone grafts utilized in dentistry: an analysis of patients' preferences. BMC Med Ethics 20;16(1):71, 2015
25. Fuentes R, Valdivia I, Borie E, Beltrán V, Bucchi C.
Histomorphological analysis of peri-implant bone tissue of an implant in use for 10 years: A case Report. Biomedical Research 2015; 26 (2), 2015
26. Borie E, Oliví DG, Orsi IA, Garlet K, Weber B, **Beltrán V**, Fuentes R.
Platelet-rich fibrin application in dentistry: a literature review. Int J Clin Exp Med 15;8(5):7922-9, 2015
27. Fuentes R, Bucchi C, Navarro P, **Beltrán V**, Cantin M.
Characterization of anatomical structures using panoramic X-rays: Part II: Mandibular incisive canal. J Anat Soc India 64(2):128-132, 2015
28. Fuentes R, Flores T, Navarro P, Salamanca C, **Beltrán V**, Borie E.
Assessment of buccal bone thickness of aesthetic maxillary region: a cone-beam computed tomography study. J Periodontal Implant Sci 45(5):162-168, 2015
29. **Beltrán V**, Engelke W, Prieto R, Valdivia-Gandur I, Navarro P, Manzanares MC, Borie E, Fuentes R.

Augmentation of intramembranous bone in rabbit calvaria using an occlusive barrier in combination with demineralized bone matrix (DBM): a pilot study.

Int J Surg 12(5):378-83, 2014

30. **Beltrán V**, Engelke W, Fuentes R, Deccó O, Prieto R, Wilckens M, Cantín M, Borie E.
Bone Augmentation with Occlusive Barriers and Cortical Particulate allograft in Transverse Maxillary Defects: a Pilot Study.
Int J Morphol 32 (1):364-368, 2014
31. Engelke W, **Beltrán V**, Cantín M, Choi EJ, Navarro P, Fuentes R.
Removal of impacted mandibular third molars using an inward fragmentation technique (IFT) - Method and first results.
J Craniomaxillofac Surg. 42(3):213-219, 2014
32. Engelke W, Fuentes R, **Beltrán V**.
Sinus floor augmentation using miniscrew and in situ hardening biomaterial: method and case report.
Int J Clin Exp Med 15;7(6):1607-10, 2014
33. Engelke W, Deccó O, Cura AC, Borie E, **Beltrán V**.
Rigid occlusive titanium barriers for alveolar bone augmentation: two reports with 24- month follow-up.
Int J Clin Exp Med 15;7(4):1160-5, 2014
34. **Beltrán V**, Engelke W, Dias FJ, Leiva C, Fuentes R, Borie E.
Occlusive barriers in combination with particulate Bio-Oss® graft: a pilot study on rabbit calvaria.
Int J Clin Exp Med 7(7):1714-1720, 2014
35. Aravena V, **Beltrán V**, Cantín M, Fuentes R.
Gingival hyperplasia being the first sign of Wegener's granulomatosis.
Int J Clin Exp Med. 15;7(8):2373-2376, 2014
36. Fuentes R, Cantín M, Navarro P, Borie E, **Beltrán V**, Bucchi C.
Caracterización de estructuras anatómicas mediante radiografías panorámicas: El foramen mental.
Int J Morphol 32(4):1423-1429, 2014
37. Engelke W, Fuentes R, **Beltrán V**.
Endoscopically assisted removal of a lingually displaced third molar adjacent to the inferior alveolar nerve.
J Craniofac Surg 24(6):2171-2174, 2013
38. **Beltrán V**, Matthijs A, Borie E, Fuentes R, Valdivia-Gandur I, Engelke W.
Bone healing in transverse maxillary defects with different therapies with anorganic bovine bone in humans.
Int J Morphol 31(1):75-81, 2013

39. **Beltrán V**, Silva M, Padilla M, Aillapan E, Sanhueza A, Cantín M, Fuentes R.
Morphological patterns of gingival recession in adult Chilean population.
Int J Morphol 31(4):1365-1370, 2013
40. Borie E, Fuentes R, **Beltrán V**.
Multiple Tooth Agenesis in Non-syndromic Patient: A Rare Case Report.
Int J Morphol 30(2):634-636, 2012
41. Fuentes R, Borie E, **Beltrán V**.
Radiographical and Macroscopical Visualization of Fourth Molars: a Report of Four Cases in Maxilla.
Int J Morphol 30(1):115-118, 2012
42. Aracena D, **Beltrán V**, Fuentes R, Borie E.
In Vitro Macroscopic and Endoscopic Analysis of Three-Rooted Maxillary Premolars and Two-Rooted Mandibular Premolars in the Same Individual: a Case Report.
Int J Morphol 30(1):19-24, 2012
43. **Beltrán V**, Fuentes R, Engelke W.
Endoscopic visualization of anatomic structures as a support tool in oral surgery and implantology.
J Oral Maxillofac Surg. 2012 Jan;70(1):e1-6
44. **Beltrán V**, Cantín M, Fuentes R, Engelke W.
Presencia Bilateral del Canal Incisivo de la Mandíbula. Una Estructura Anatómica con Relevancia Clínica.
Int J Morphol 29(2):543-549, 2011
45. **Beltrán V**, Fuentes R, Engelke W, Marchesani F, Flores M.
Localización del Septo del Seno Maxilar a través de Abordaje Endoscópico. Reporte de Caso y Revisión de la Literatura.
Int J Morphol 29(2):636-643, 2011
46. **Beltrán VJ**, Fuentes R, Bustos A, Sanhueza A.
Relación entre niveles de inclusión de terceros molares mandibulares e índices antropométricos físicos de la mandíbula en etnias Atacameñas y Aymaras del Norte de Chile.
Int J Morphol 29(2):446-454, 2011

Participation in Scopus, Scielo and journals with editorial committee in the last 10 years.

1. Prieto D, González C, Weber L, Realini O, Pino-Lagos K, Bendek MJ, Retamal I, **Beltrán V**, Riedemann JP, Espinoza F, Chaparro A.

- Soluble neuropilin-1 in gingival crevicular fluid is associated with rheumatoid arthritis: An exploratory case-control study.**
J Oral Biol Craniofac Res. 2021 Apr-Jun;11(2):303-307. doi: 10.1016/j.jobcr.2021.02.010.
2. Acevedo-Atala C, Atala-Acevedo C, Corsini-Muñoz G, **Beltrán-Varas V**, Jans-Muñoz A. **Correlation of the Need for Orthodontic Treatment between the self-perception of Chilean adolescents aged 14 to 18 years and the dentist's diagnosis.**
Journal of Oral Research, 10(1), 1-9, 2021
 3. **Beltrán V**, Engelke W.
Inward fragmentation and socket preservation in complex mandibular third molar surgery - a case report.
J Oral Res 2018; In Press. doi:10.17126/joralres.2018.059
 4. Engelke W, Engelke C, Lazzarini M, **Beltrán V**
Periimplantäre Knochenregeneration mittels Laserdekontamination.
Implantologie Journal 9 | 2018
 5. Lillo R, Parra C, Fuentes R, Borie E, Engelke W, **Beltrán V**
Compressive resistance of abutments with different diameters and transmucosal heights in Morse-taper implants.
Braz Dent J. 2015 Mar-Apr;26(2):156-9
 6. Engelke W, **Beltrán V**, Leiva C
Vermeidung von Knochentaschen bei Weisheitszahn-Osteotomien. Oralchirurgie
Journal 3 / 2015
 7. Wilckens M, **Beltrán V**, Leiva C, Donaire F
Manejo quirúrgico periodontal de la erupción pasiva alterada: reporte de casos.
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