

Programación de presentaciones  
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División Chilena



IADR

INTERNATIONAL ASSOCIATION  
FOR DENTAL, ORAL, AND  
CRANIOFACIAL RESEARCH  
CHILEAN DIVISION

07, 08 y 09 de noviembre de 2024

# SESIONES DE POSTER

**Sesión A (Cardiología, Restauradora, Estética)**  
**Jueves 07 de octubre, 11:30 - 13:00 hrs.**

P1	<i>In vitro</i> comparison of dual-species cariogenic biofilm formation on artificial and natural dentin models	Javiera Ortiz
P2	Antimicrobial peptides as potential biomarkers for caries risk assessment	Carla Paola Lozano
P3	Risk factors associated with the occurrence of dental caries in pregnant women: a narrative review	Danae Rivera
P4	Carbon footprint in dentistry: impact assessment and strategies for sustainability - Literature review	Valentina Alarcón Green
P5	Impact on quality of life with the use of removable prostheses in older adults: a literature review	Catalina Melo
P6	Chlorhexidine has antimicrobial action in disinfection protocols for complete dentures: a systematic review and meta-analysis	Artur Ferronato Soto
P7	General salivary profile in individuals with high and low fiber intake	Cesia Vargas
P8	Protective effect of fluoride varnish against erosive tooth wear on enamel, <i>in-vitro</i>	Oscar Troncoso Riveros
P9	Early childhood caries prevalence in Chilean children before and after COVID-19 pandemic: a descriptive analysis	Juan Eduardo Onetto
P10	Isolation of <i>Streptococcus mutans</i> extracellular vesicles demonstrate specific profiles under planktonic and biofilm conditions	Camila Leiva Sabadini
P11	Marginal microleakage in eroded dentin with sandblasting and immediate sealing with ScotchBond Universal Plus Adhesive	Catalina Pedreros
P12	Role of Vitamin E in enhancing amine fluoride's protection against erosive tooth wear <i>in-vitro</i>	Felipe Castañeda
P13	Bioinformatics uncovers key proteins linking aging to salivary flow reduction	Merari Lizana
P14	Delayed tooth brushing after acid exposure reduces erosive tooth wear on enamel. <i>In-Vitro</i> study	Paz Carmona
P15	Histological characterization of non carious cervical lesions: an exploratory study	Isaías Luis Campbell Fuentes
P16	Hospital dentistry: a review of dental protocols in healthcare services	Vania Calderon
P17	Prevalence of dental caries history in children under 5 years of age admitted to El Bosque, 2023	Cristobal Poblete
P18	Clinical performance at 3 months of indirect resins made by additive versus conventional method	Sofía Ignacia Ramírez Menares
P19	Prosthodontist preferences about digital technology: a pilot study	Ignacio Cifuentes
P20	Distribution of the denture resolvability program in El Bosque, Chile, 2023	Nicolás Ponce
P21	Distribution of the endodontic treatments in resolvability program in El Bosque, Chile, 2023	Nicolás Ponce
P22	Impact of probiotics on caries progression and salivary hβD-3 levels: an <i>in situ</i> study	Daniela Tobar
P23	The toothbrush: A view from sustainability systematic review	Paulina Castillo
P24	Alteration of antimicrobial biological processes in the salivary proteomic profile of individuals with dental caries	Elisa Huerta

<b>P25</b>	Comparison of the mastication between elderly people with functional dentition and complete removable dentures wearers	Camila Venegas
<b>P26</b>	Selective caries removal in symptomatic permanent teeth: a case series	Cecilia Muñoz-Sandoval
<b>P27</b>	Food textures to improve the masticatory function in people with removable dentures	Giannina Alvarez
<b>P28</b>	Relationship between of the abfraction type and premature contacts	Alejandra Rodriguez
<b>P29</b>	Characterization of promotional preventive health activities carried out by students of the dental assistant career	Leopoldo Saavedra
<b>P46</b>	Relationship between odontomas and impacted teeth: a review	Yasna Paola Herrada Jerez

**Sesión B (Ortodoncia, Biología ósea, Patología Oral)**  
**Viernes 08 de octubre, 11:00 - 12:00 hrs.**

P30	Characterization of orthodontic patients at Hospital Clínico Félix Bulnes, January 2023 - March 2024	Rodrigo Sebastián Fuentes Del Pino
P31	Morphogeometric analysis of the skull base in skeletal Class II and III	Camila Castillo
P32	Analysis by 3D Articulography in elderly people with functional occlusion: Preliminary results	Gloria Cifuentes
P33	Evaluation of Essential Oils for Bruxism in Children with Microcephaly	Driany Tamami Yamashita
P34	Comparison of the effectiveness time between the Lucia Jig and the Neff Jig in neuromuscular deprogramming in healthy individuals, measured with surface electromyography.	Lissett Parra
P35	Bioregulators as a potential treatment for temporomandibular joint affected by arthrosis: a Narrative review	Pia Astargo
P36	Sagittal cephalometric evaluation in untreated class II using ANB and Maxillomandibular Ratio as diagnostic tests: Retrospective Cohort Study.	Rodrigo Oyonarte Weldt
P37	Vapers as a risk factor for oral mucosa alterations: a literature review	Camila Muñoz
P38	Assessment of E-Cigarette (Vape) use and knowledge among dentistry students at Universidad de los Andes, Chile: A Cross-Sectional Survey	Juan Pablo Cruz Doberti
P39	Innovative bone regeneration using tent pole technique with 3D-printed PEEK scaffold	nathalia peñaloza
P40	Role of poly (3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV) as a scaffold for bone tissue regeneration: A narrative review	Camila Alhucema
P41	Vapers and their effect on oral health: a narrative review	Bastián Cuello
P42	3D-Printed helmet for electromagnetic articulograph applied in the study of oral physiology	Franco Marinelli
P43	The overdenture supported by mini-implants enhances mandibular movements and mastication, aligning with functional dentition	Josefa Alarcón
P44	Efficacy of botulinum toxin treatment for trigeminal neuralgia (TN): a narrative review	Alexandra Devoto
P45	Denomatoid odontogenic tumor in a young patient, tooth extraction versus root canal. Clinical study	Belén Repetur
P47	Epidemiología de las fracturas maxilofaciales en Sucre, Bolivia 10 años de revisión	Daria Colque Huanacu
P48	Use of stem cells in tissue regeneration of salivary glands. A systematic narrative review	Cristóbal Muñoz León
P49	Narrative systematized review: salivary biomarkers as predictive indicators of Alzheimer's disease	Angie Yáñez Aceituno
P50	Determination of the Nasion-Axioorbital plane distance in a group of patients from the community of Santiago.	Constanza Fuentes
P51	Complications associated with hyaluronic acid injections narrative review	Catalina Flores
P52	Chronological age, skeletal and dental maturation show a high correlation in a retrospective study	Julia Sanfurgo

<b>P53</b>	Risk factors for gestational diabetes using machine learning in a Chilean population, a correlational approach	Sofía Lazo
<b>P54</b>	Influence of temperature on injection pain and anesthesia effectiveness: a systematic narrative review	Angel Hurtado
<b>P55</b>	Main factors involved in the successful use of TADs in the orthodontic practice: a review	Jan Franco Carvallo Guiñez
<b>P56</b>	Ferroquine: potentially in the fight against oral squamous cell carcinoma. An In vitro study	Gisella Vásquez Canales
<b>P57</b>	TRPV1 target drugs to treat dental pain disorders	Bruna Benso
<b>P58</b>	TRPV1-target drugs for the treatment of orofacial pain	Natalia Molina
<b>P59</b>	Risk of TME and presence of musculoskeletal pain during the clinical of 5 <sup>th</sup> year dentistry students	Marcela Cosme

**Sesión C (Cirugía, Endodoncia, Periodoncia, Microbiología Oral)**  
**Viernes 08 de octubre, 12:00 - 13:00 hrs.**

P60	Comparative analysis of bioinformatic methods: assessing the oral microbiome	Natalia Paz Endo
P61	Microbiological study of lower incisors infected with <i>Candida albicans</i> using mechanized and manual instrumentation	Catalina Melo
P62	Morphometric and microbiological analysis of two endodontic techniques in <i>Candida albicans</i> infected maxillary first premolars	Felipe Ibarra
P63	Comparison of concentrations of sodium hypochlorite to measure the accuracy electronic apex locators: <i>ex vivo</i> study	Aurora Beatriz Ruiz
P64	Effectiveness of PRF in extraction of included lower third molars. Structured summary of systematic reviews	José Joaquín Yunge Ávila
P65	Are new bioceramics superior to MTA in endodontic microsurgery?: Systematic review and Meta-analysis	Pablo César Ibáñez Aravena
P66	Production of extracellular vesicles by oral bacteria and their virulent effects: a narrative review	Carla Inostroza
P67	Development of a dentinal tissue-equivalent model using microscale bioprinting for evaluating <i>Porphyromonas gingivalis</i> biofilm formation	Paula Ford
P68	Glycation-induced changes in dual-species oral biofilm nanomechanics explored by atomic force microscopy	Pablo Berrios
P69	PDRN in functional and aesthetic rehabilitation of hypertrophic scars: A case report on cleft lip	Carolina Mora
P70	Development of a three-dimensional agent-based model for simulating biofilms in periodontitis	Pablo Acuña-Mardones
P71	Innovative approaches to the dentin-pulp complex: A systematic review of organ-on-chip models	Josefa Baeza
P72	Morphological analysis and root canal system of maxillary first premolars in Chileans using Micro-computed tomography	Fernando Javier Jorquera Molina
P73	Characteristics of surgical fracture models induced in an animal model of osteoporotic bone: pilot study	Leonardo Alberto Brito Leal
P74	Effectiveness of the use of platelet-rich fibrin in periodontal therapy: a narrative review	Isidora Escobar
P75	Use of platelet-rich fibrin and leukocytes in periodontal treatment. Narrative review	Patricia Bahamonde Escobar
P76	Effect of smoking on the efficacy of endodontic treatment in apical periodontitis	Thomas Villalobos
P77	Effectiveness of laser therapy in the treatment of gingival hyperplasia: a systematic review	Ailyn Yanira Navarrete Lagos
P78	Genomic and structural exploration of major Fimbriae (FimA) of the periodontal pathogen <i>Porphyromonas gingivalis</i>	Josefa Nuñez
P79	Association between periodontitis and brain proteinopathies: a Scoping Review	Maurizio Emanuelli
P80	Identification of Neutrophils N1 and N2 phenotypes in periodontal lesions	Francisca Alegría
P81	Frequency of detection of polymorphisms in patients affected by periodontitis	Tiana Reyes
P82	Association between periodontitis and physical exercise performance: a scoping review	Jorge Contreras-León

<b>P83</b>	Biomarkers for early detection of periodontal disease and halitosis: A preventive strategy towards systemic pathologies	Daniel Hevia
<b>P84</b>	Microglial changes due to periodontal bacteria and their association with Alzheimer's disease: a systematic review	Dominique Latorre
<b>P85</b>	Frequency of second mesiobuccal canal in maxillary first molars using CBCT: A descriptive observational study.	Valentina Aichele
<b>P86</b>	Evaluation of the antifungal effect of endodontic bioceramics on <i>Candida albicans</i> : An <i>in vitro</i> study	Francisco Carrasco
<b>P87</b>	Micro CT versus Cone Beam CT as a precise tool for studying dental aging markers	Diego Lohmann
<b>P88</b>	Effects of a copper nanoparticle hydrogel on oral microbiota and systemic health	David Esteban Machuca Ávila
<b>P89</b>	Effectiveness of amoxicillin/metronidazole versus azithromycin as an adjuvant in non-surgical periodontal treatment. Systematic review	Felipe Iglesias



**Sesión D (Educación, Salud Pública, PInteligencia Artificial, otros)**  
**Viernes 08 de octubre, 16:00 - 17:00 hrs.**

<b>P90</b>	The role of communication and the impact of data science in the Chilean health system: systematic review	Cristina Pérez Villouta
<b>P91</b>	Unmasking burnout in dental education in Chile: A cross-sectional study of 5 <sup>th</sup> -year students	Antonio Velásquez Lienlaf
<b>P92</b>	Uso de drogas y perfil de salud dentario en la población penal femenina del complejo penitenciario de Valparaíso, Chile	Fernanda Villalobos
<b>P93</b>	Use of animal-assisted therapy (dogs) during oral health interventions in children: A narrative review	Vicente Fica
<b>P94</b>	A quantitative evaluation of dentofacial markers for the detection of images generated by artificial intelligence	Brunella Rossi
<b>P95</b>	Evaluation of mechanical properties in 3D resin printed for space maintainers application: in vitro study	Camila O'Brien
<b>P96</b>	Artificial intelligence tools in the early detection of oral cancer: A scoping review	Diego Guzman Garrido
<b>P97</b>	Effect on oral functionality of the EDePA and EDePAM treatment protocol. Pretest-Posttest study	Alicia Morales Chvets
<b>P98</b>	Germinando Sonrisas pilot program: bringing oral health to early childhood: Research project	Francisca Quintanilla Rojas
<b>P99</b>	A correlational approach using machine learning to identify risk factors for HPV infection in women	Matías Fossa
<b>P100</b>	Cold therapy applied for post-extraction pain: A systematic review	Dianna Walters
<b>P101</b>	Low laser therapy for post-extraction Pain: A systematic review	Mariana Pizarro Tobar
<b>P102</b>	Relationship between teeth bleaching and dentin sensitivity. Review	María Alexandra Lasso
<b>P103</b>	Self-medication in people who attend a university dental clinic in Santiago de Chile, 2022	Alejandra Rojas Olivares
<b>P104</b>	Cardiovascular safety in hypertensive patients during tooth extraction: A systematic review	Patricio Marilao
<b>P105</b>	Effectiveness of amoxicillin/metronidazole versus azithromycin as an adjuvant in non-surgical periodontal treatment. Systematic review	Felipe Iglesias
<b>P106</b>	Use of dexamethasone for post-extraction pain: A systematic review	Patricio Marilao
<b>P107</b>	Prevalence of malocclusions in preschoolers at a language school in Paillaco, Los Ríos Region	Carolina Ayala
<b>P108</b>	Preliminary results of a pilot study on teledentistry using satellite connection for elderly people in rural areas	Randal von Martens
<b>P109</b>	Anatomical and clinical considerations of the medial pterygoid muscle: A systematic review	Ricardo Gomez
<b>P110</b>	Anatomical characteristics and clinical significance of the auriculotemporal nerve: A systematic review	Josefa Baeza
<b>P111</b>	Dental technicians preferences about digital technology: a pilot study	Ignacio Cifuentes

<b>P112</b>	Mechanical properties of 3D-Printed polycaprolactone matrix coated with sodium hydroxide, calcium phosphate, and metformin for use as grafts in bone regeneration: an <i>in vitro</i> study	Hugo Pinuer
<b>P113</b>	Factors of inequality in the distribution of dentists in Latin America during 2014-2024: A systematized narrative review	Laura Cadenas
<b>P114</b>	Relation between supply and demand of dentistry career in Chile: A narrative review	Laura Cadenas
<b>P115</b>	Rinse time needed for a natural nitrate solution to alter saliva pH: A pilot study	Constanza Fernández

# PRESENTACIONES ORALES

**Sala 1. Competición Hatton**  
**Jueves 07 de octubre**

**En esta sesión el idioma de presentación, de preguntas y respuestas es obligatoriamente en idioma inglés.**

<b>Inicio</b>	<b>Nombre Trabajo</b>	<b>Autor</b>	<b>Código</b>
15:00	Bacterial translocation signatures and subgingival microbiota in individuals with periodontitis. A cross-sectional study	Marcelo Britos	<b>H1</b>
15:15	Epithelial-microbiome interaction on the STAT3 activation associated with periodontitis and peri-implantitis	Marion Arce	<b>H2</b>
15:30	Defining the peri-implant microbiome of health, peri-mucositis and peri-implantitis	Joaquín Espinoza Arrué	<b>H3</b>
15:45	A single natural nitrate rinse could reduce sugar-induced acidogenicity: an in vivo crossover study	Consuelo Silva-Acevedo	<b>H4</b>
16:00	A modified model of child oral health.	Begoña Ruiz	<b>H5</b>
16:15	Glycation promotes dual-species <i>Candida albicans</i> and <i>Streptococcus mutans</i> biofilm formation in a bioengineered dentin model	Simon Esteban Alvarez	<b>H6</b>
16:30	Porphyromonas gingivalis lysates induces a proinflammatory response through TLR-2/NF-κB pathway in human placental explants	Sebastian Araneda	<b>H7</b>
16:45	Optimized Titanium surfaces with a bifunctional nano-coating exhibit osteoinductive and antibacterial properties <i>in vitro</i>	Vanessa Campos - Bijit	<b>H8</b>
17:00	IL-35 ameliorates the Th17/Treg imbalance and bone loss in experimental periapical lesions	Alfredo Sierra-Cristancho	<b>H9</b>
17:15	Collagen glycation modulates Streptococcus mutans extracellular vesicle production and biological cargo	Camila Leiva Sabadini	<b>H10</b>

**Sala 2. Otras competencias socios/as IADR**  
**Jueves 07 de octubre**

<b>Inicio</b>	<b>Nombre Trabajo</b>	<b>Autor</b>	<b>Código</b>
15:00	Genomic and transcriptomic analysis of ameloblastoma reveals distinct molecularly aggressive phenotypes	Constanza Marin Marquez	<b>O1</b>
15:15	Proposal for a standardized clinical record section to register the etiology of traumatic dental injuries	Juan Onetto	<b>O2</b>
15:30	Aetiology of traumatic dental injuries in the children's dental traumatology service, Universidad de Valparaiso	Juan Onetto	<b>O3</b>
15:45	Five-year follow-up to diagnosis and treatment planning in periodontics	Erik Dreyer	<b>O4</b>
16:00	Roll BMP-2 technique: a novel approach for flapless guided bone regeneration in immediate implants in infected sites with buccal bone deficiency	Alfredo Torres	<b>O5</b>
16:15	Role of co-culture of <i>Porphyromonas gingivalis</i> and <i>Fusobacterium nucleatum</i> on markers associated with epithelial-mesenchymal transition in the oral mucosa of C57BL/6 mice	Samanta Melgar-Rodríguez	<b>O6</b>
16:30	Concordance regarding the need for orthodontic treatment among Chilean specialists according to the ICON Index	Humberto Gonzalez Oneto	<b>O7</b>
16:45	Use of polycaprolactone as a biomaterial for the reconstruction of critical craniofacial bone defects: an in vivo pilot study	David González-Quintanilla	<b>O8</b>
17:00	Reduced dentin etching time in cervical restorations: 6-month clinical trial	Natalia Amo	<b>O9</b>
17:15	Evaluation of adhesive properties and enzymatic activity at the hybrid layer of a simplified adhesive loaded with Cu and ZnO nanoparticles: A Randomized Clinical Trial	Javier Basualdo	<b>O10</b>

**Sala 3. Otras presentaciones orales**  
**Jueves 07 de octubre**

<b>Inicio</b>	<b>Nombre Trabajo</b>	<b>Autor</b>	<b>Código</b>
15:00	Digital workflow for removable partial dentures frameworks. The HOSCAR dental service experience	Felipe San Martin Forray	<b>O11</b>
15:15	Correlation between macronutrient composition of the diet of healthy individuals with and without dental caries lesions	Sebastian Valdés	<b>O12</b>
15:30	Inequalities in oral health access in Treacher Collins syndrome. Qualitative study	Ignacio Delgado Acuña	<b>O13</b>
15:45	Cost-utility of incorporating an oral health intervention in preventive medicine examinations in primary health care in Chile	Gustavo Sáenz-Ravello	<b>O14</b>
16:00	Evaluation of the association between tooth loss and sleep quality: Data from the ENS 2016-2017	Sebastián Mora	<b>O15</b>
16:15	Impact of a school-based oral health program: a pre–post observational study	Tomás Palomer	<b>O16</b>
16:30	IL-22 levels in gingival crevicular fluid as a biomarker for psoriasis severity assessment	Antonia Alcaide	<b>O17</b>
16:45	Atopic dermatitis affect the IL-1 gingival crevicular fluid levels without periodontitis mediation	Benjamin Morales	<b>O18</b>
17:00	Open surgery with articular disc repositioning suture proposed by Dr. Yang in relation to arthroscopy. Case Series	Paola Fernanda Gómez Bravo	<b>O19</b>
17:15	Dissipative crystallization of hyaluronic acids used in orofacial harmonization	Alejandro Oyarzun	<b>O20</b>

**Sala 4. Otras presentaciones orales**  
**Jueves 07 de octubre**

<b>Inicio</b>	<b>Nombre Trabajo</b>	<b>Autor</b>	<b>Código</b>
15:00	Manufacturing scaffolds using 3D printing, electrospray and electrospinning to application in bone regenerative medicine	Pablo Romero	<b>O21</b>
15:15	Histatin-1 promotes the expression of differentiation markers in mesenchymal cells from dental pulp and apical papilla	Jorge Ignacio Segura	<b>O22</b>
15:30	Excess sugar affects gene expression in a dual-species biofilm of <i>Candida albicans</i> and <i>Streptococcus sanguinis</i>	Benjamín Bustos Cofré	<b>O23</b>
15:45	Effect of synbiotics of <i>Lactocaseibacillus rhamnosus</i> and vitamins on dental surface, an <i>in vitro</i> study	Natalia Saavedra	<b>O24</b>
16:00	Histopathology of dental pulp in carious primary molars	Alvaro Cartagena	<b>O25</b>
16:15	Bifunctional osteoinductive and antibacterial organic-inorganic nanocomposite hybrids incorporating bioactive glass and copper nanoparticles	Nicolas Cohn	<b>O26</b>
16:30	Design of a learning program with the participation of Chilean older adults to enhance oral health literacy: A qualitative study	Ana Beatriz Silva Lopes	<b>O27</b>
16:45	Association between dental variables and self-perception of oral health in Chile: modifying effect of educational level according to the National Health Survey 2016-2017	Isabel Ortúzar	<b>O28</b>
17:00	Cross-cultural adaptation of the Brazilian version of the OHIP-14 Periodontal Disease Questionnaire (OHIP-14 PD)	Dhelfeson Willya Douglas-de-Oliveira	<b>O29</b>
17:15	A randomized trial of health to improve oral cancer awareness in older adults: preliminary report	Constanza Morales Gómez	<b>O30</b>