

## Editorial

It is a pleasure to present the new edition of the LAOHA newsletter, which highlights a wide range of academic engagements in Latin America. This year, it was an honor for the region to host the IADR Global Session in Bogotá, the world's largest congress of researchers in dentistry. At this meeting, the Symposium on Combined Strategic Actions of the Consensus on Caries and Periodontal Disease was well attended and sparked a lot of interest from the audience. Another highlight of the meeting was the research presentations by LAOHA scholars. Two of them were among the winners of the Hatton Award (Catharina Sacramento from Brazil and Viviana Ávila from Colombia) and will represent their countries at IADR 2024. The Brazilian scholar, winner of the Hatton Award, was also invited to present their research at the Technical University of Munich (TUM), Germany. Additionally, the IADR-LAR/LAOHA/Colgate multicenter award for research support in the region was awarded.

LAOHA continues to demonstrate the strength of its partnerships, as follows:

- The World Oral Health Day and World Gum Health Day campaigns gather dozens of Associations and have contributions from highly influential representatives in public health, academia, and the profession.
- CIOSP - the largest congress in the region - LAOHA representatives present relevant advances in oral health in the "Colgate Talks" session.
- The Latin American countries as members of the Alliance for a Cavity-Free Future receive the "World Cavity-Free Future Day" award for the video about messages promoting better oral health in the child population.
- OFEDO/UDUAL at their annual assembly, in Punta Cana, and UNIBE, in Santo Domingo, advance through workshops with faculty directors and professors in implementing the Consensus on Teaching Cariology.

LAOHA's commitment to support for research and education has resulted in valuable accomplishments, such as numerous publications on erosive tooth wear, caries prevention, periodontal disease awareness and and, most importantly, the timely establishment of the Laoha online section dedicated to Public Health initiatives aimed at celebrating endeavors with a social impact on oral health, which will contribute to the strengthening of public policies in the region.

Personally, I am feeling regional pride for being part of this association that works for our region: Congratulations to LAOHA, to all its members and collaborators!



**Dr. Stefania Martignon**  
Universidad El Bosque



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Save The Date: Next CALL FOR ACTION will be in October



Launch

# PUBLIC HEALTH AND KNOWLEDGE TRANSLATION

We opened another channel on our website. This time, related to oral health initiatives capable of generating social impact, inspiring and helping to strengthen and implement national public policies in several Latin American countries.

In this new area of the LAOHA website, called **Public Health**, you will find valuable information for the population, healthcare professionals and public authorities.

Videos of the second international symposium entitled **“Global Oral Health: Perspectives and Recommendations for the Latin American and Caribbean Population”**, which took place at the end of 2022, are now available on the website and are an example of what you can find in this session. This initiative, carried out online in synchronous and asynchronous modalities, was organized by the IADR (Venezuela division) and IADR Latin American Regional Division (LAR), in partnership with the ACFF (Venezuelan division) and LAOHA. Different speakers from different parts of the world spoke about current issues in global oral health and public health initiatives in countries such as Venezuela, Brazil and Singapore, among others.

Click [HERE](#) to access these videos on our website. ▶



Launch of the page on social media.



The meetings held during the Symposium "Global Oral Health: Perspectives and Recommendations for the Latin American and Caribbean Population", [are on our website.](#)



Another important area of this session is the **Oral Health Knowledge Translation** page. Here, in partnership with researchers from the Ibero-American Observatory of Public Policies in Oral Health, LAOHA created a space for the disclosure and dissemination of information, events and solutions in oral health based on best practices and scientific evidence and on the concept of **Minimally Invasive Dentistry**. Animations, infographics, an ebook and factsheets were created and made available on the platform for use by public decision-makers.

Our goal is to encourage the sharing of successful experiences among Latin American countries, disseminating solutions within the context of each region.

In Brazil, the material caught the attention of technicians from the São Paulo State Health Department, who will use it to train public decision-makers throughout the state. Dr. Fernanda Tricoli, oral health coordinator for the state department, said the material was exactly what they were looking for and added:



Infographics, animations, factsheets and a complete ebook are part of the project.

### Cárie dentária: Magnitude do problema no Brasil

Dados sobre a evolução da doença cárie no Brasil e um panorama sobre a situação em diferentes faixas etárias.

**INDICADORES** Entenda a nomenclatura utilizada para medir o índice da doença cárie na população.

**Dentição decidua**  
**ceo-d** Sigla utilizada para medir o índice em crianças de 5 anos.

**Dentição permanente**  
**CPO-D** Em crianças de 12 anos, adolescentes de 15-19 anos, adultos de 35 a 44 e idosos de 65 a 74 anos.

**META da OMS**  
 Para crianças de 12 anos, o índice ideal definido pela OMS deve ser **<1**

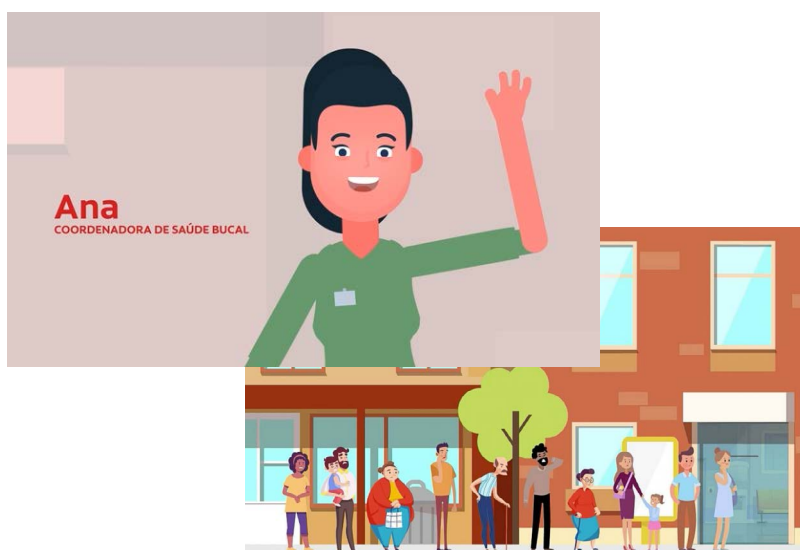
**SIGLAS:**  
 C = Cariado, E = Extraído, P = Perdido, O = Obturado, D = Dente

**Como calcular?** O cálculo do índice CPO-D é simples. Basta indicar o quantidade de dentes com as características C, P e O, depois somar os valores e dividir pelo número de pessoas analisadas.

**NO BRASIL**  
 Evolução do índice CPO-D em crianças de 12 anos entre os anos 1993 e 2010.

Ano	Cariado	Obturado	Perdido
1993	5	4,94	3,06
2010	3	2,78	2,07

De acordo com pesquisa Nacional feita em 2010, o índice CPO-D

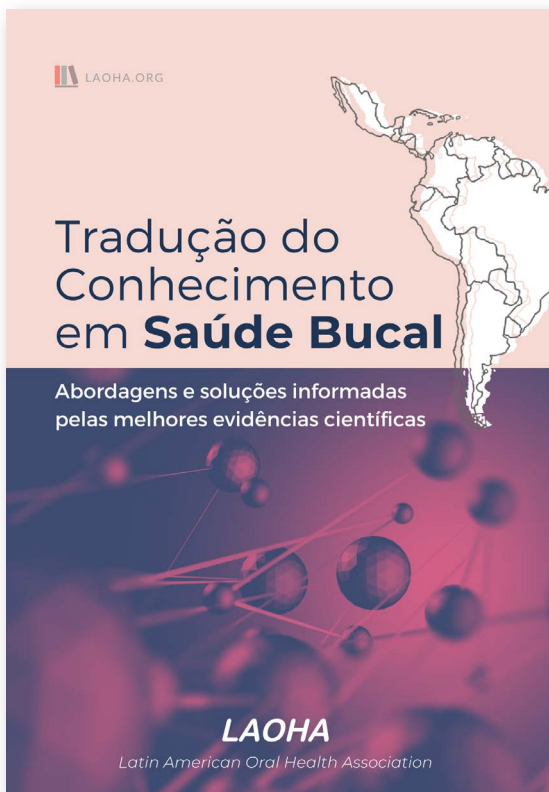




*"Minimal Intervention Dentistry is intrinsically linked to the actions of active search for risk priorities in the proposed reorganization of oral health care, to perfectly compose the annexes of the SP State Oral Health Policy Guidelines (Resol SS 12/2020). This partnership will not only allow the "assisted implementation" of the proposed reorganization model in the municipalities, but will also enable the integration of teaching and service as a space for the exchange of knowledge and evidence-based practices. It will mean that managers and professionals will have adequate and timely information*

*to prevent problems or resize the service, for example. As far as SUS (National Health System) users are concerned, the goal is to promote health and establish equitable access to dental treatment in the state of São Paulo."*

*Starting in September 2023, both the e-books and the material available on our website will be used to train oral health professionals and public decision-makers in all municipalities in the state. It is expected that around 3,000 oral health teams from 645 municipalities in the state of São Paulo will participate in the initiative.*



Ebook and pages from the material.

**PACOTE DE SOLUÇÕES E CRITÉRIOS DE CLASSIFICAÇÃO**

**Quadro 1: Classificação e Conduta para Cárie Dentária:**  
 Deve-se registrar a pior "situação encontrada" (SE), tanto para o fator cárie (principal fator preditor de cárie) quanto para o fator Biofilme (fator essencial de cárie/ Sine Qua Non). De acordo com a composição desses dois fatores, define-se a conduta/encaminhamento a ser seguido.

Códigos para registro do fator cárie	Fator biofilme	Código SE*	Conduta (encaminhamento)
A - Sem história de cáries, somente higienizados	- +	A- A+	• Promoção/Educação
B - Presença de restauração	- +	B- B+	
C - Cárie crônica/restauração provisória	- +	C- C+	• Promoção/Educação/Prevenção • Flúor tópico / Monitoramento de manchas brancas, cárie estacionária ou restaurações provisórias
D - Mancha branca ativa	- +	D- D+	
E - Lesão de sulcos, fôssilos e cicatrículas, sem comprometimento pulpar evidente.	- +	E- E+	• Promoção/Educação/Prevenção/Trat. Precoce em Campo • Flúor Tópico + ART**/OHS**
F - Lesão de face proximal, ângulos da borda incisal e terço cervical, sem comprometimento pulpar evidente.	- +	F- F+	• Promoção/Educação/Prevenção/Trat. Precoce em Consultório Odontológico • Flúor tópico/OHS**/Restauração Convencional
G - Comprometimento pulpar ou periapical suspenso ou evidente: pulpíte, fístula, polpa exposta, abscesso, foco residual, dor.	- +	G- G+	• Tratamento de Urgência • Promoção/Educação/Prevenção/Trat. em Consultório • Flúor Tópico/OHS** + Trat. Individualizado (Urgência + demais necessidades)

\*SE = Situação Encontrada;  
 \*\*ART = Tratamento Restaurador Atraumático;  
 \*\*OHS = Odontologia de mínima intervenção

Obs: Esta classificação individual de risco à cárie foi baseada na classificação desenvolvida em 2000 pelo SES/SP, atualizada em 2016, 2019 e 2022 pelo Coordenador do Área Técnica de Saúde Bucal do SES/SP.



Click on the link to access the Translational Science webpage:

[laoha.org/en/public-health/observatory/](http://laoha.org/en/public-health/observatory/)



International Congress

# CIOSP & COLGATE TALKS

Participation in the largest dentistry congress in Latin America.



Dr. Cristina Villar, president of LAOHA, highlights the importance of discussing combined actions between the periodontics and cariology areas.

The 40th edition of the largest **Congress of Dentistry in Latin America**, CIOSP, took place in January this year in São Paulo. There were 4 days of a lot of technical-scientific content, exhibitors with industry news, renowned speakers and visitors from various countries around the world.

LAOHA was present at the **Colgate TALKS** space, contributing to disseminate quality information and industry news with lectures by its members, such as President Dr. Cristina Villar (Universidade de São Paulo), Dr. Marcelo Bönecker (Universidade de São Paulo), Dr. Fernanda Carrer (Universidade de São Paulo), Dr. Fábio Sampaio (Universidade Federal da Paraíba), Dr. Bernal Stewart and alumni Dr. Belén Retamal-Valdes (Universidade de Guarulhos) and Dr. Carlos Benítez.

Colgate TALKS

Consenso Latino Americano sobre Cárie Dentária e Doença Periodontal: Aspectos Epidemiológicos, Preventivos e Curativos  
Prof.<sup>a</sup> Cristina Villar e Prof. Marcelo Bönecker (LAOHA)

25/01 - 13h

Garanta já a sua vaga em [www.colgatebrasil.com.br/ciosp2023](http://www.colgatebrasil.com.br/ciosp2023)

Colgate TALKS

Novas Evidências da Tecnologia Sônica Como Fator de Sucesso em Saúde Gingival e Hiperplasia de Gengiva  
Dr. Carlos Benítez e Bernal Stewart

26/01 - 14h

Garanta já a sua vaga em [www.colgatebrasil.com.br/ciosp2023](http://www.colgatebrasil.com.br/ciosp2023)

Colgate TALKS

Enfrentamento da Cárie no Brasil: Da evidência à Ação  
Prof.<sup>a</sup> Fernanda Carrer e Prof. Fábio Sampaio (LAOHA)

26/01 - 13h

Garanta já a sua vaga em [www.colgatebrasil.com.br/ciosp2023](http://www.colgatebrasil.com.br/ciosp2023)

Colgate TALKS

Enxaguardentos Buciais: Evidência e Indicações Clínicas  
Prof.<sup>a</sup> Belén Retamal-Valdes

28/01 - 14h

Garanta já a sua vaga em [www.colgatebrasil.com.br/ciosp2023](http://www.colgatebrasil.com.br/ciosp2023)

Members of LAOHA presented lectures during the event.



International Congress

# CIOSP & COLGATE TALKS

Lectures with experts



"Fighting cavities in Brazil: from Evidence to Action", delivered by Dr. Fernanda Carrer.



"Latin American Consensus on Dental Cavities and Periodontal Disease: Epidemiological, Preventive and Curative Aspects", by Dr. Marcelo Bönecker and Dr. Cristina Villar.



From left to right: Carlos Benítez, Zilson Malheiros, Silvana Barros and Bernal Stewart.



Participation in an initiative promoted by ACFF-Global

## LAOHA SUPPORTS WCFFDay WINNING VIDEO



Video is awarded at an event promoted by WCFF DAY 2022.

The year 2023 started with great news. LAOHA, which has joined the Latin American chapters of the Alliance For a Cavity-Free Future (ACFF) to participate in a global competition called **World Cavity Free Future Day (WCFFDay - 2022)**, has been notified by ACFF that the video supported by the Association was the big winner.

In this event, which featured several activities developed in schools, webinars and conferences, a short video competition of up to 2 minutes was organized, where participants from the global chapters of the Alliance sent videos of activities carried out during WCFFDay, with emphasis on:

- Activities performed in schools, webinars and conferences during the event.
- Positive messages linked to toothbrushing, reducing sugar consumption and changing habits that encourage oral health.

Supported by LAOHA, this award recognizes the efforts of the ACFF chapters in Brazil, Colombia, Venezuela and Mexico, as well as the participation of the Dominican Republic, during the **World Cavity Free Future Day**.

**Watch the winning video on our Public Health page:**

[laoha.org.br/en/public-health](https://laoha.org.br/en/public-health)





## World Oral Health Day - March 20

# PARTICIPATION IN THE WORLD ORAL HEALTH DAY

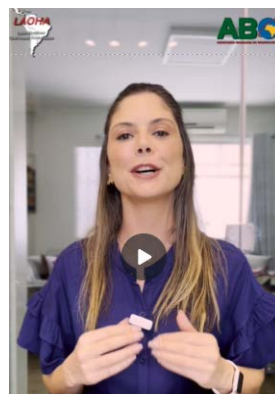
In collaboration with regional Associations, LAOHA celebrated the **World Oral Health Day** in March (20). The campaign aimed to increase regional awareness of the importance of oral health.

We share content on the subject on our networks and together with other Associations, in addition to receiving important support such as that of **Dr. Braz Antunes Mattos Neto**, president of the São Paulo Regional Council of Dentistry (CROSP), as well as that of **Dr. Priscilla Flores**, dental surgeon and director of communication and marketing at National ABO (Brazilian Dental Association). Both spoke about the importance of supporting initiatives like this. In his statement, Dr. Braz Antunes Mattos Neto highlighted:

*"On World Oral Health Day I greet the president of LAOHA, Cristina Villar, Ninoska Abreu, president of COHI, Bernal Stewart and Zilson Malheiros, executive directors. The work you do for the benefit of the Latin America and the Caribbean population with research is very important, and finally, we all know that the mouth is the gateway for various pathologies and the development of serious systemic problems. We need to eradicate a series of diseases and LAOHA plays this role by spreading it to the population, carrying out important campaigns to improve the lives of people in the world, especially in the Caribbean and Latin America".*

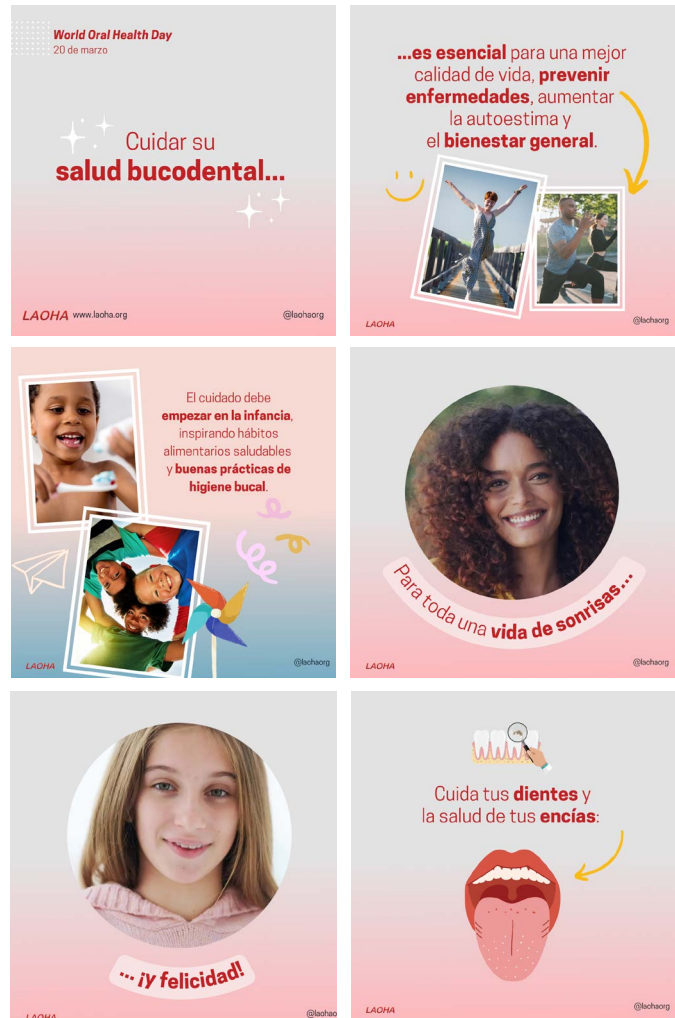


*"On World Oral Health Day I greet the president of LAOHA, Cristina Villar, Ninoska Abreu, president of COHI, Bernal Stewart and Zilson Malheiros, executive directors. The work you do for the benefit of the Latin America and the Caribbean population with research is very important, and finally, we all know that the mouth is the gateway for various pathologies and the development of serious systemic problems. We need to eradicate a series of diseases and LAOHA plays this role by spreading it to the population, carrying out important campaigns to improve the lives of people in the world, especially in the Caribbean and Latin America".*



Dr. Priscilla Flores highlighted the importance of ABO joining LAOHA in actions to promote oral health also in Latin American countries.

We continue together on the mission to increase regional awareness about the importance of oral health for the population.



Content produced and published in our social networks.



Campaign “Take Care of Your Gums: Healthy Mouth, Healthy Body”

# GUM HEALTH DAY 2023

More than 50 associations in 17 countries joined LAOHA in this campaign

In support of **World Gum Health Day (May 12)**, a date created by the *European Federation of Periodontology - EFP*, LAOHA, for the second consecutive year, joined efforts with dozens of regional associations around the campaign “**Take care of your Gums: Healthy Mouth, Healthy Body**”.

The initiative had the support of more than 50 associations in 17 countries in Latin America, the Caribbean, Mexico, as well as Mozambique, in partnership with the Caribbean Oral Health Initiative (COHI).

Periodontal disease is a global public health problem with high prevalence in Latin America and the Caribbean. With the aim of contributing to awareness programs and prevention of periodontal diseases, the periodontics group, led by the executive director of LAOHA, Dr. Zilson Malheiros, produced a series of videos, infographics and animations on this topic, with materials in Spanish, Portuguese and English, to be distributed not only during the week, but as permanent material to support campaigns and initiatives related to the

**World Gum Health Day**  
**DIABETES AND ORAL HEALTH**

Did you know that uncontrolled diabetes can worsen the **signs of gum disease**?

It is estimated that severe periodontal diseases affect about 14% of the adult world population. This condition can be exacerbated by problems arising from this interrelation with diabetes, which affects about 50 million people in Latin America.

Maintaining **healthy habits** can prevent oral health problems in patients with diabetes, such as **bone loss, gum bleeding, dental mobility** and bad breath.

**TAKE CARE OF YOUR BODY AND YOUR GUMS**

- Take your medications
- Clean your teeth at least 2 times a day
- Use dental floss and mouthwash recommended by your dentist

Visit your dentist for proper professional guidance and **keep diabetes under control. Healthy Mouth, Healthy Body!**

Support:

LAOHA, COHI, Gum Health Day, foia, LARC, FFP, ALAD, American Society of Periodontology, Colgate

Promoting Oral Health Beyond Borders

On World Gum Health Day, the chosen highlight theme was the relationship between diabetes and oral health.

**ORAL HEALTH AND WELL-BEING**  
Oral health affects all dimensions of your well-being

**ORAL CARE DURING PREGNANCY**  
Did you know that pregnancy can bring changes to your oral health?

**RECOGNITION OF SIGNS AND EARLY ACTIONS**  
Did you know that bleeding gums can be a sign of gingivitis?

**HABITS THAT MAKE A DIFFERENCE**  
Did you know that cultivating good habits as a family contributes to your oral health?

Technical collaboration for the development of the material: Doctors Andrés Duque, Bernal Stewart, Carlos Benítez, Claudia Sacio, Cristina C. Villar, Elizabeth Lozano, Gina Murillo, James Collins, Maria Alejandra Vargas, Paola Carvajal, Paula Yunes, Zilson Malheiros.

Campaign

# GUM HEALTH DAY 2023



prevention of oral diseases. All material is easily shareable in different media. The topics addressed in the campaign were:

- Oral Health and Well-being
- Recognizing Signs and Early Actions
- Oral Care during Pregnancy
- Habits that Make a Difference
- Diabetes and Oral Health.

On the LAOHA website it is possible to access all the material produced by the campaign. Help us spread this initiative for the prevention of gingival disease beyond the borders of each country. To access, [click here](#).

Support from more than 50 associations from 17 countries:



***"Patients with uncontrolled diabetes are 3 to 4 times more likely to lose their teeth."***



Dr. Giuseppe Romito, former president of LAOHA, Full Professor of Periodontics and Vice-Director of the School of Dentistry at the Universidade de São Paulo, spoke, in a video released during the campaign, about the importance of prevention and oral care in patients with diabetes.





## 2023 IADR & IADR-LAR General Session

# CONSENSUS ON CARIES AND PERIODONTAL DISEASE IN LATIN AMERICA: COMBINED STRATEGIES



Between June 21 and 24 this year, the **2023 IADR & IADR/LAR General Session and Exhibition with WCPD** took place in Bogotá, Colombia.

The event featured Interactive Lectures, Focused Learning Sessions, Hands-on Workshops, Main Lectures and Symposiums presented by experts from around the world and was accompanied by the **12th World Congress of Preventive Dentistry (WCPD)**, which aimed to raise awareness of the diseases worldwide, their social and commercial determinants, promote healthy environments, highlight the impact of oral diseases on poor and disadvantaged populations, and

encourage policymakers to incorporate oral health into public health intervention programs as part of primary care to health and universal health coverage.

The Symposium was an opportunity to discuss strategic actions for Latin America to reduce the prevalence of periodontal disease and dental cavities.

The experts Dr. Cassiano K. Rösing (Universidade Federal do Rio Grande do Sul), Dr. Fábio Correia Sampaio (Universidade Federal da Paraíba), Dr. Paola Carvajal (University of Chile) and Dr. Stefania Martignon (U. El Bosque-Colombia), members of LAOHA. See the topics presented below: ▶

Authors of the periodontics and cariology consensus joined, among other supporters, for a session that had a large participation of researchers from all over the world.

2023 IADR & IADR- LAR General Session

**THEMES PRESENTED BY SPEAKERS DURING THE EVENT**

**Moderators:**

The symposium had Dr. Nigel Pitts as Chair and Dr. Cassiano Rösing as Co-chair in a session that brought together dozens of researchers and key opinion leaders from different parts of the world



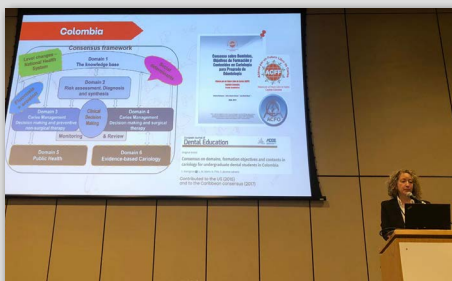
Dr. Nigel Pitts  
King's College London's Faculty of Dentistry,  
Oral & Craniofacial Sciences

**Periodontal Disease in Latin America: Results of a Regional Consensus**



Dr. Cassiano K. Rösing  
Federal University of Rio Grande do Sul, Brazil

**The Relevance of a Cariology Consensus for Undergraduates in Latin America and its Implementation Strategy**



Dr. Stefania Martignon  
Universidad El Bosque, Colombia

**Prevention of Periodontal Disease Based on Risk Approach**



Dr. Paola Carvajal  
Universidad do Chile, Chile

**Regional Consensus on Dental Caries: Recommendations and Integration with Periodontal Diseases**



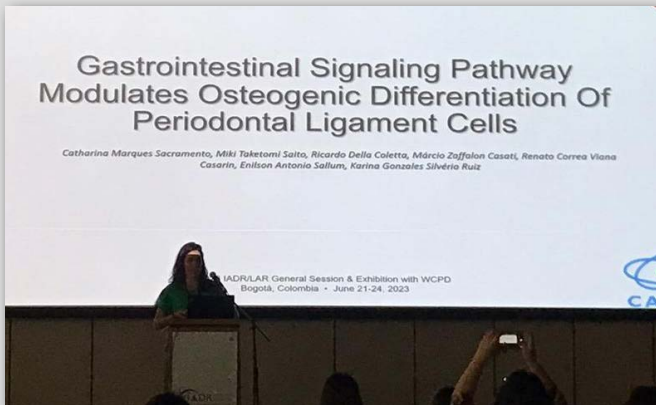
Dr. Fabio Sampaio  
Federal University of Paraíba, Brazil





2023 IADR & IADR-LAR General Session

**PARTICIPATION OF FELLOWS AND ALUMNI**



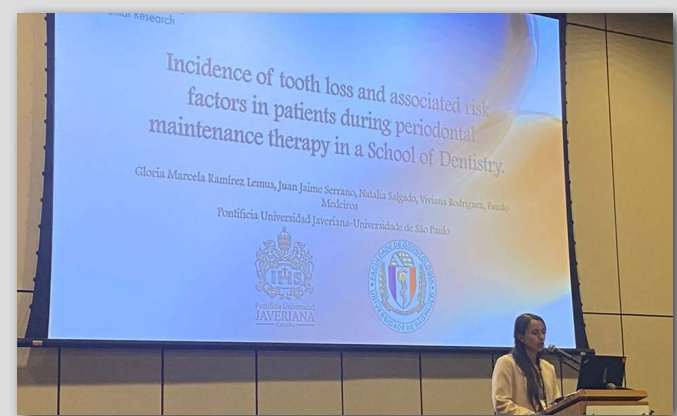
Dr. Catharina Sacramento - PhD (2019 - 2023)



Dr. Viviana Ávila - PhD (2018 - 2023)



Dr. Mohamed Ahmed H. Mahmoud - PhD (2019 - 2023)



Dr. Gloria Marcela Ramirez - Alumna (2017 - 2020)



Dr. Guilherme Castro Lima - PhD (2020 - 2023)



Dr. Flavia Levy - Alumna (2018 - 2022)





2023 IADR & IADR-LAR General Session

LATIN AMERICAN REGION MULTICENTRIC AWARD  
IADR-LAR/LAOHA/COLGATE

During the 101<sup>st</sup> General Session of the IADR, IX LAR Congress and 12th World Congress of Preventive Dentistry, the multicenter project winner was presented. This award is being held once again through the partnership between the IADR Latin American Division (LAR), LAOHA and Colgate.

Seven multicentric projects were pre-selected for presentation and, according to the themes, the Board of Directors appointed an Evaluation Committee with specialists acknowledged in the region and internationally: Dr. Maria Fidela de Lima Navarro (Brazil), Dr. Rita Villena (Peru) and Dr. Marcela Hernández (Chile).

The aforementioned Evaluation Commission unanimously chose the winning project, **"Genetic and proteomic analysis of odontogenic myxoma: role of caveolin-1-catenin in tumor pathogenesis"**, presented by Dr. Felipe Martins as lead author, professor and researcher at School of Dentistry at the University of the Republic (Udelar) in Uruguay.

The rest of the research team consisted of doctors Ana Carolina Uchoa and Manoela Martins (Brazil), Maria Luisa Paparella (Argentina), Sven Niklander (Chile) and Estefania Sicco, Jimena Valls, Ronell Bologna-Molina, Vanesa Pereira-Prado (Uruguay).

We thank LAR for the opportunity to support this important award and, thus, continue leveraging high-level scientific research in the Latin American region.



Doctors Zilson Malheiros, Ronell Bologna, Vanesa Pereira, Cristina Villar and also doctor Maria del Carmen Lopez Jordi who takes leave of the LAR/IADR presidency.





2023 IADR & IADR-LAR General Session

HATTON AWARD



The doctoral thesis project of fellow **Catharina Sacramento**, supervised by Dr. Karina Gonzales S. Ruiz and a student at the University of Campinas (Unicamp), **won the IADR Hatton Competition and Awards, Brazilian Division 2023**. The award ceremony took place in September, during the annual meeting of the SBPqO (IADR Brazilian Division).

Researcher **Viviana Ávila**, supervised by Dr. Stefania Martignon and a fellow at Universidad El Bosque, won **first place in the Senior category of the Hatton/IADR Colombia Award** and, like Catharina, will represent her university in the 2024 edition of the IADR/AADOCR/CADR General Session & Exhibition in New Orleans.

Congratulations Catharina and Viviana for their achievements!

*"On June 24, 2023, I participated and won in the Senior category of the Hatton Contest of the IADR Colombia Division, with my doctoral thesis entitled: "Erosive tooth wear and its relationship with risk, cavities, saliva and biofilm composition". This award is important both for recognizing the value of the research work carried out and for its contribution to my professional growth. I would like to take this opportunity to thank LAOHA, Colgate and Universidad El Bosque for their unconditional support during my PhD and I am happy to be able to respond to that support with this award. Thanks to the LAOHA family!"*

Viviana Ávila





Education

# ASPECTS RELATED TO THE IMPLEMENTATION OF THE LATIN AMERICAN CONSENSUS ON EDUCATION IN CARIOLOGY



With the support of LAOHA and COHI, cariology curriculum implementation workshops were held. The events entitled **“Aspects related to the implementation of the Latin American Consensus on Teaching in Cariology”** took place in the Caribbean, whose workshop was attended by the UNICA/El Bosque team and members of the Action from **Call for Action**, which has been working on the topic in partnership with numerous other regional and global researchers and research associations. The team led by Dr. Stefania Martignon was supported by doctors Sofia Jacome, Andrea Cortes and Angie Sanabria from Universidad El Bosque in Colombia, and Dr. Ninoska Abreu Placeres from Universidad Iberoamericana in Dominican Republic and president of COHI. The academic event was held in two different contexts: one for professors and the other for directors and deans of schools of dentistry.

The first workshop took place during the **Annual Meeting of the Organization of Colleges and Schools of Dentistry (OFEDO-UDUAL)** in Punta Cana and was one of the highlights during the Congress, having brought together several directors and coordinators of teaching programs from Dentistry Teaching Institutions of Latin America. ▶





## Education

The second workshop was held at the Universidad Iberoamericana (UNIBE) and had the participation of cariology professors (theory and practice) from all schools of dentistry in the Dominican Republic.

During the workshops, participants were informed about the development

process of the **Latin American Consensus on Teaching in Cariology**.

At this time, the implementation process has already started in some universities and updates will be presented in the next **Call for Action** session scheduled for October this year.



To the side: Professors from UNIBE receive members from COHI, LAOHA and Universidad El Bosque for the Workshop on Cariology Curriculum Implementation.

Below: Dr. Ninoska Abreu Placeres and Dr. Marcelo Cazar, Dean of the Universidad de Cuenca, Ecuador, and representatives at the working tables.





## Young researchers

# LAOHA FELLOW SELECTED TO PARTICIPATE IN EVENT IN GERMANY



Dr. Catharina Sacramento in the Unicamp laboratory (on the left), and in front of TUM, in Munich.

TUM (Technical University of Munich) regularly selects young researchers from all over the world to participate in a 5-day, all-expenses-paid event, in order to inform them about opportunities for postdocs in various areas of science. During one week, participants have the opportunity to interact with TUM professors and researchers and learn more about the career system and funding opportunities in Germany.

This year, 50 young international scientists were invited to participate in the "13th Research Opportunities Week (ROW)" and fellow **Catharina Sacramento was one of the chosen ones!**

The program included visits to research institutions at TUM, events with TUM professors, and information sessions on postdoctoral funding opportunities in Germany. The event took place in the city of Munich, Germany.

*"It was a pleasure to be selected from PhD and postdocs from around the world to participate in Research Opportunities Week at Technische Universität München, Germany. I was the only dentist and, out of 50 selected participants, only 3 were Brazilian. We were researchers from all areas (mathematics, engineering, social sciences, biology, chemistry...). It was amazing! Undoubtedly, LAOHA and Colgate allowed me to develop as a researcher and gave me the opportunity to represent Latin America and researchers in the field of Dentistry in Munich!"*





## Erosive Tooth Wear

# STUDY HIGHLIGHTS THE IMPORTANCE OF EARLY LESION DETECTION

Dr. Vicente Aránguiz and Dr. Valeria Ramírez, researchers at the **School of Dentistry at the Universidad de Los Andes**, have published two papers in the Journal of Dentistry and in the Brazilian Oral Research. Both works, entitled "Associated risk factors with quantitative erosive tooth wear progression" and "Relationship between intrinsic and extrinsic factors with Erosive Tooth Wear in adults. A cross-sectional study", focus on erosive tooth wear and were funded by the Latin American Oral Health Association, LAOHA.

The first study focused on assessing the progression of erosive tooth wear in a sample of children and adolescents with a high BEWE index. The loss of dental tissue volume was evaluated and the association between the risk factors detected at the beginning of the study was analyzed. Results showed that adolescents with a high BEWE index at baseline and whose parents had a low level of education had the greatest volume losses.

The second study sought to identify potential risk factors related to erosive tooth wear in adults between 18 and 46 years old. It was found that age, symptoms of gastroesophageal reflux, alcohol consumption, vitamin C intake and anorexia were risk factors related to erosive tooth wear in the sample of patients evaluated.




Dr. Valeria Ramírez and Dr. Vicente Aránguiz, both researchers from Universidad Los Andes, Chile.

Both works demonstrated that:

- Early detection of erosive tooth wear lesions prevents their progression or increase in severity.
- The use of digital technologies in dentistry contributes to a better quantitative assessment of the progression of erosive tooth wear over time.

Click on the links to access the articles:

 ["Associated risk factors with quantitative erosive tooth wear progression"](#)

 ["Relationship between intrinsic and extrinsic factors with Erosive Tooth Wear in adults. A cross-sectional study"](#)





## Articles

# RECENT PUBLICATIONS MADE BY FELLOWS AND ALUMNI



Aldrin Huamán Mendoza

**“Osteogenesis in human periodontal ligament stem cell sheets is enhanced by the protease-activated receptor 1 (PAR1) in vivo.** Tomaz Alves, Letícia M Gasparoni, Danilo Balzarini, Emmanuel Albuquerque-Souza, Victhor de Oliveira, Emanuel S Rovai, Jose da Silva, Aldrin Huamán-Mendoza, Luiz H Catalani, Carla R Sipert, Marinella Holzhausen. *Sci Rep.* 2022 Sep 18;12(1):15637. doi: 10.1038/s41598-022-19520-x.

**“Protease-activated receptor type 2 activation downregulates osteogenesis in periodontal ligament stem cells.** Bruno Nunes de França, Letícia M Gasparoni, Emanuel Silva Rovai, Lucas Macedo B Ambrósio, Nathalia Felix de Mendonça, Marcos Hideki Hagy, Aldrin Huamán Mendoza, Carla Renata Sipert, Marinella Holzhausen. *Braz Oral Res.* 2023 Jan 6;37:e002. doi: 10.1590/1807-3107bor-2023.vol37.0002. eCollection 2023.

**“Potential of Mesenchymal Stem Cell Sheets on Periodontal Regeneration: A Systematic Review of Pre-Clinical Studies”.** Aldrin Huamán Mendoza, Danilo Balzarini, Tomaz Alves, Marinella Holzhausen, Emanuel S Rovai. *Curr Stem Cell Res Ther.* 2023;18(7):958-978. doi: 10.2174/1574888X17666220706092520.

**“Current state about root coverage using soft-tissue substitutes in the presence of noncarious cervical lesions: A literature review”.** Huamán-Mendoza, Aldrin André; Reis, Isabella Neme Ribeiro Dos; Ganhito, Juliana Assef; Carvalho, Cassio Volponi; Micheli, Giorgio De; Pannuti, Claudio Mendes. *Journal of Indian Society of Periodontology* 27(4):p 344-351, Jul–Aug 2023. | DOI: 10.4103/jisp.jisp\_388\_22.



Guilherme de Castro Lima

**“Effects of antimicrobial mouthwashes on the human oral microbiome: Systematic review of controlled clinical trials.** Guilherme Castro Lima S. do Amaral, Mohamed Ahmed Hassan, Mariane Cristina Sloniak, Cláudio M. Pannuti, Giuseppe A Romito, Cristina Cunha Villar. *Int J Dent Hyg.* 2023 Feb;21(1):128-140. doi: 10.1111/idh.12617. Epub 2022 Aug 19.

**“Radiographic outcomes of ridge reconstruction with autogenous bone block versus collagenated xenogeneic bone block: A randomized clinical trial.** Giuseppe Alexandre Romito, Herbert Horiuti Soares, Guilherme Castro Lima Silva do Amaral, Marcelo Augusto Fonseca, Vitor Marques Sapata, Marina Clemente Conde, Christoph Hans Franz Hammerle, Frank Schwarz, Cristina Cunha Villar. *Clin Oral Implants Res.* 2023 Aug;34(8):863-871. doi: 10.1111/clr.14114.



Lucas Daylor A. da Silva

**“Lactobacillus acidophilus impairs the establishment of pathogens in a subgingival multispecies biofilm”.**

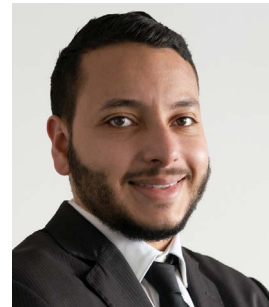
Manuela Rocha Bueno, Gustavo Dudu-Silva, Tatiane Tiemi Macedo, Aline Paim de Abreu, Paulo Gomes, Arthur Rodrigues Oliveira Braga, Lucas Daylor Aguiar Silva, Bruno Bueno-Silva. *Front. Dent. Med*, 31 July 2023  
 Sec. Periodontics. Volume 4 - 2023.



Mariana Lopes Galante

**“Oral health policies and decision-making process in Brazil, Colombia and Chile”.**

Mariana Lopes GALANTE, Marco A CORNEJO-OVALLE , Gabriel Jaime OTÁLVARO-CASTRO, Daniel Felipe PATIÑO-LUGO, Nicole PISCHEL, Amanda L GIRALDES, Fernanda Campos de Almeida CARRER. *Braz. oral. res.* 37 - 2023.



Rubiel Marín

**“Factors related to compliance with periodontal disease treatment appointments: A literature review”.**

Rubiel A. Marín-Jaramillo and Andrés A. Agudelo-Suárez. *J Clin Exp Dent*. 2022 Nov 1;14(11):e967-e971.

**“Salivary Biomarkers and their Relationship with Periodontal Clinical Parameters: A Cross-Sectional Study”.**

Rubiel Marín, Andres Duque, Doris Cardona, Erika Giraldo and Lina Salazar, *The Open Dentistry Journal* - 08 Sep 2023.  
 DOI: 10.2174/18742106-17-230831-2023-31

Save The Date

**CALL FOR ACTION 2023**

Write it down! The 3rd Edition of **CALL FOR ACTION** will take place on October 25, 10:30 a.m. (GMT-3).

Participate in this initiative that gathers dental associations and professionals in Latin America and the Caribbean around the understanding that we need to approach cavities disease in the region from new perspectives, based on new scientific evidence and better knowledge about the magnitude of the problem in Latin America. Registration is now open on our website:

[www.laoha.org/en/cariology](http://www.laoha.org/en/cariology).

