

Welcome to the 3rd edition of the LAOHA Newsletter. In recent months, various scientific activities and historical moments have supported our actions. The doctoral students continued their trajectory with much dedication, participating in congresses and symposiums with the presentation of the results of their studies and also as lecturers.

We celebrated the commemoration of the 50th anniversary of the Manchester Dental Health Unit, a successful partnership between Manchester University and Colgate-Palmolive.

Our Task Forces have made important contributions to the scientific community. The Academia Group presented the results of its pilot survey in two of the main meetings of dental education in Latin America: Latin American Organization of Dental Schools / Organization of Faculties, Schools and Departments of Dentistry (OFEDO/UDUAL) and Brazilian Association of Dental Education (ABENO). The objective of this pilot survey was to observe the pedagogical contents of periodontics applied to clinical and community practice and its relevance. Additionally, the Evidence-Based Dentistry Group wrote a review of the literature on amine fluoride based dentifrices that was published in Portuguese and Spanish and distributed to professionals in Dental Meetings.

In October 2018, the III International Seminar of LAOHA was also held featuring a keynote lecture by Dr. Wim Teughels from the University of Leven, Belgium.

In January 2019 we will host the Consensus Meeting - "Periodontal disease and the impact on general health in Latin America" in São Paulo. The LAOHA International Summit - "Moving from research to policy making and practice", is scheduled for May. The goals of both meetings support the LAOHA mission of contributing to the scientific development of dentistry and oral health improvement of the Latin American population through research and education.

Finally, we would like to announce our new Directors to the Board (2018-2020), Dr Cassiano Rösing and Dr Juliano Cavagni. We would like to express our gratitude to Dr. Jamil Shibli and Dr. Cassio Carvalho for their contributions and leadership during their tenure as Directors on the Board.



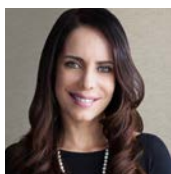
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Magda Feres, Bernal Stewart, Zilson Malheiros, Carlos Benitez, with the collaboration of Richard Hogan and Julio Barrios

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# Site Visit Program

Started this year, LAOHA affiliated Universities visited the Colgate Palmolive Brazilian Global Technology Center (GTC). The objective of this program is to improve the relationship between LAOHA Universities and the Brazilian GTC Team. During the visits, professors and PhD students are hosted by the GTC Director, Abraham Cazes and his team.

While at the site, visitors received a general introduction about the Colgate Palmolive Company. They learn about the company's commitment to deliver high quality products to consumers. They also receive a guided tour to the laboratories and production plant.

As a result, the LAOHA visitors have a deep understanding of the strong commitment to both quality and innovation demonstrated by the Colgate researchers. In 2018, more than 100 visitors from four Universities in Brazil have participated in this Program.



Campinas University (UNICAMP)



Sao Paulo University (USP)



Guarulhos University



Federal University of Rio Grande do Sul (UFRGS)

# Task Force Academia

In 2018, the Task Force Group, Academia, conducted a pilot survey among 13 affiliated institutions. The purpose of this pilot survey was to observe the pedagogical contents of periodontics applied to clinical and community practice and its relevance. The pilot study had two objectives:

- Explore if in the areas that involved attention of patients (clinical or community) the learned theoretical contents of periodontics are applied.

- Determine the relevance given to the different periodontics contents.

The results of this pilot survey were presented at two of main dental education meetings in Latin America:

- Latin-American Organization of Dental Schools / Organizacion de Facultades, Escuelas y Departamentos de Odontologia (OFEDO/UDUAL)
- Brazilian Association of Dental Education (ABENO)

## Among the survey main conclusions:

TO HIGHLIGHT	TO REVIEW
<ul style="list-style-type: none"> <li>• High clinical applicability of the periodontal contents in the 3 blocks (diagnosis, risk and education in oral hygiene).</li> </ul>	<ul style="list-style-type: none"> <li>• Less applicability of the contents in community activities.</li> </ul>
<ul style="list-style-type: none"> <li>• High relevance of the contents in clinic and in community.</li> </ul>	<ul style="list-style-type: none"> <li>• The minor emphasis is given to the care of periodontal health and the control of risk factors in community activities.</li> </ul>
<ul style="list-style-type: none"> <li>• Students and teachers attach special importance to the assessment of local and systemic risk.</li> </ul>	<ul style="list-style-type: none"> <li>• The use of technological tools in dental education.</li> </ul>



**OFEDO/UDUAL** | Dr. Yilda Rivera shared the findings of the survey during a workshop.



**ABENO** | Dr. Cassiano Rösing presented the survey findings.

**GENERAL RECOMMENDATIONS:**

- Expand the size of the sample and the number of universities.
- Explore in depth survey conclusions and their applicability.
- Evaluate separately the clinical activities of the community in terms of applicability and relevance.

# Applying Evidence Based Dentistry

The objective of the Task Force, Evidence Based Dentistry, is to use scientific evidence to engage the dental professionals. In 2018, they conducted a literature review on the mechanism of dentifrices containing **amine fluoride**, as well as their role in the remineralization processes and the evaluation of their clinical efficacy in the prevention of dental

caries. The resulting article was published at the Brazilian Journal Periodontology and it is available in Portuguese and Spanish. In September, more than 2.000 copies were handed out at the Brazilian IADR Meeting. Similarly, in January 2019, thousands of copies will be handed out at CIOSP Dental Meeting in São Paulo.

PERIODONTIA Braz J Periodontol - June 2018 - volume 28 - Issue 02



### DENTIFRÍCIO COM FLUORETO DE AMINA NA PREVENÇÃO DE CÁRIE DENTÁRIA: UMA REVISÃO DA LITERATURA

Amine fluoride dentifrice in dental caries prevention: a literature review

Claudio Mendes Parruti<sup>1</sup>, Izabel Monteiro D'Hyppolito<sup>2</sup>, Laís Rueda Cruz<sup>2</sup>, Carlos Guillermo Benítez Silva<sup>3</sup>, Giuseppe Alexandre Romito<sup>4</sup>

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<sup>2</sup> Mestranda do programa de Pós-Graduação em Odontologia da UNESP, Rio de Janeiro, Brasil  
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<sup>4</sup> Professor Titular do departamento de Periodontia da FOOZ, São Paulo, Brasil

Recebimento: 02/04/18 - Correção: 04/05/18 - Aceite: 07/06/18

PERIODONTIA Braz J Periodontol - September 2018 - volume 28 - Issue 03



### PASTA DENTAL CON FLUORURO DE AMINA EN LA PREVENCIÓN DE CÁRIE DENTAL: REVISIÓN DE LA LITERATURA

Amine fluoride dentifrice in dental caries prevention: a literature review

Claudio Mendes Parruti<sup>1</sup>, Izabel Monteiro D'Hyppolito<sup>2</sup>, Laís Rueda Cruz<sup>2</sup>, Carlos Guillermo Benítez Silva<sup>3</sup>, Giuseppe Alexandre Romito<sup>4</sup>

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<sup>2</sup> Alumno de Maestría del programa de Posgrado en Odontología de la UNESP, Rio de Janeiro, Brasil  
<sup>3</sup> Alumno de doctorado del programa de Posgrado en Odontología de la FOOZ, São Paulo, Brasil  
<sup>4</sup> Profesor Titular del departamento de Periodontia de la FOOZ, São Paulo, Brasil

Recebimento: 02/04/18 - Correção: 04/05/18 - Aceite: 07/06/18

**RESUMO**

**Objetivos:** Dentifricios com fluoreto de amina têm sido propostos como uma alternativa superior a outros fluoretos devido à sua estrutura molecular. Assim, o objetivo dessa revisão foi descrever o mecanismo de ação dos dentifricios contendo fluoreto de amina, assim como seu papel dentro dos processos de remineralização e a avaliação da sua eficácia clínica na prevenção da cárie dentária.

**Material e métodos:** Dois investigadores pesquisaram de forma independente as bases de dados eletrônicas MEDLINE e EMBASE, sem restrição de data. Foram incluídos apenas estudos *in vitro*, *in situ* ou ensaios clínicos controlados. Após a leitura dos textos, foi feita a extração de dados. A avaliação do risco de viés dos ensaios clínicos foi realizada pelos mesmos investigadores.

**Resultados:** Estudos *in vitro* e *in situ* mostraram que AmF reduziu a desmineralização e promoveu remineralização, sendo que em alguns estudos a remineralização foi maior no grupo que utilizou AmF. Quatro ensaios clínicos incluídos nessa revisão sugerem que existe alguma evidência de superioridade de dentifricios com fluoreto de amina em relação à redução de incremento de cárie, comparados com os grupos controle.

**Conclusão:** Existe evidência que dentifricios contendo fluoreto de amina agem no processo de cárie dentária diminuindo a desmineralização, promovendo a remineralização e reduzindo a formação de lesões cavitadas.

**UNITERMOS:** Unitermos: Cremes dentais; Fluoreto; Cárie dentária. R Periodontia 2018; 28: 43-52.

**RESUMEN**

**Objetivos:** Las pastas dentales con fluoruro de amina han sido propuestas como una alternativa superior a otras con distintos fluoruros debido a su estructura molecular. Por tanto, el objetivo de esta revisión fue describir el mecanismo de acción de las pastas dentales que contienen fluoruro de amina, así como su papel dentro de los procesos de remineralización y la evaluación de su eficacia clínica en la prevención de la caries dental.

**Material y métodos:** Dos investigadores realizaron búsquedas de forma independiente en las bases de datos electrónicas MEDLINE y EMBASE, sin restricción de fecha. Fueron incluidos solo estudios *in vitro*, *in situ* o ensayos clínicos controlados. Después de la lectura de los textos, fue realizada la extracción de datos. La evaluación del riesgo de sesgo de los ensayos clínicos fue realizada por los mismos investigadores.

**Resultados:** Estudios *in vitro* e *in situ* mostraron que el AmF redujo la desmineralización y promovió la remineralización. En algunos estudios, AmF promovió mayor remineralización que los otros tratamientos. Cuatro ensayos clínicos que fueron incluidos en esta revisión sugieren que existe cierta evidencia de la superioridad de las pastas dentales con fluoruro de amina con relación a la reducción en el incremento de caries, comparados con otros grupos control.

**Conclusión:** Existe evidencia de que las pastas dentales que contienen fluoruro de amina actúan en el proceso de la caries dental disminuyendo la desmineralización, promoviendo la remineralización y reduciendo la formación de lesiones cavitadas.

**PALABRAS CLAVE:** Pastas dentales; Fluoruro; Cáries dental. R Periodontia 2018; 28: 26-35.

Access to the Portuguese version

Access to the Spanish version

# Manchester Dental Health Unit

## 50th anniversary

The Manchester Dental Health Unit (DHU) was first contemplated in 1967 during a conversation between two dentists: Dr. Graham Davies and Dr. Phil Holloway. Following a teaching session in 1967, Dr. Davies asked Dr. Holloway whether he would be interested in joining him to form a research unit with the aim of conducting dental epidemiological studies and clinical trials.

In September 1968 the contract agreement between Manchester University and Colgate-Palmolive was signed. This same collaboration has continued uninterrupted for over 50 years, representing a unique and long-standing partnership between an eminent research University and a leading oral care company.

The original mission of the DHU was to advance dental public health, create new capabilities and capacity for both parties and to conduct clinical trials aligned to Colgate-Palmolive's with a public health benefit. Fifty years later, this overarching mission remains largely unchanged; the approach to achieving these aims, however, has evolved to include the development of new methodologies and diagnostics to push the boundaries of oral

health research. In addition, the DHU has maintained a PhD training programme for 5 decades, building generations of research leaders who have went on to forge illustrious careers around the globe.

At present, the DHU is working on multiple large-scale epidemiology studies in tandem with a series of diagnostic development studies exploring the use of novel imaging methods and connected health devices in dental research.

The formation of the LATAM DHU represents an exciting milestone in the collective DHU history and offers the opportunity to widen the remit of Colgate's Public Health work, to nurture talent from and collaborate with leading institutions and to ultimately improve the lives of a truly global population.

The enduring partnership between Colgate-Palmolive and the University of Manchester was marked by a 50<sup>th</sup> Anniversary Celebration, held in Manchester. Current DHU students and staff were joined by DHU alumni, collaborators and Colgate-Palmolive colleagues from as far afield as Brazil,

India and Thailand – including the first DHU PhD student Prof. Andrew Rugg-Gunn and Global Technology Center Leadership Team of Colgate-Palmolive: Patricia Verduin, Raj Kohli, Terrel Partee, Latonya Kilpatrick and Dr. Maria Ryan, Chief Dental Officer. Guests attended an afternoon symposium which reflected on

50 years of collaboration with the event culminating in a celebratory dinner at the University’s Christie’s Bistro.

Recognition should always be given to the indomitable Co-Directors who have shaped and guided the DHU and its staff & students over the past 50 years.



50 years of research excellence



The University of Manchester

Colgate-Palmolive Co-Directors		Academic Co-Directors	
Graham H. Davies	1968 – 1991	Philip J. Holloway	1968 – 1992
Robin M. Davies	1991 – 2005	Mike Lennon	1987
Roger P. Ellwood	2005 - Present	Anthony S. Blinkhorn	1992 – 2007
		Iain A. Pretty	2007 - Present

# III LAOHA Seminar

In October 2018, the 3<sup>rd</sup> LAOHA Seminar series took place, along with the 7<sup>th</sup> International Symposium on Periodontics, UNG. This year, we had the honor to feature a keynote lecture by Dr. Wim Teughels, Professor of Periodontics and co-director of the Post-Graduate Program in Periodontics at Leuven University (Belgium).

Dr. Teughels has more than 120 published scientific articles, is an associate editor of the Journal of Periodontal Research and Carranza's Clinical Periodontology. His

main areas of research are Periodontics and Oral Microbiology, with emphasis on bacterial adhesion, microbial, antimicrobial and probiotic interactions. He is the world's leading researcher on the topic "probiotics in periodontics".

The lectures dealt with the topics: "Concept, logic, mode of action and clinical evidence of probiotics", and "Clinical evidence and future perspectives: prebiotics, and bacterial predators". The event was attended by students, dental professionals and researchers.



Dr. Teughels



Dr. Feres, Dr. Malheiros and PhD students with Dr. Teughels.



# AMIC Dental Expo, Mexico City

In November, the main event of Mexican dentistry, the AMIC (Mexican Association of Industry and Commerce) Dental expo, was a resounding success, judging by the considerable amount of people in attendance. It was estimated that more than 5,000 people attended the scientific congress.

One of the highlights of the meeting was the Colgate Palmolive Symposium on **"Inflammatory diseases progress, new trends and classification"** moderated by Dr. Jose Viales.

Among the invited speakers was Dr. Carlos Benitez, LAOHA Phd student at São Paulo University. Dr. Carlos Benitez, graduated from the National Autonomous University of Mexico (UNAM), talked about the high prevalence of gingivitis in Mexico City and in Latin America.

As reported by Dr. Julio Barrios, Academic Affairs Manager for Colgate Mexico, more than 700 people attended the symposium. Social media interactions were a key element for the success of this symposium.

**f Facebook Campaign:**

- +9 K people reach
- 135 Interactions

**Live feed in social media:**

- 19K Reach
- 7.2 K Reproductions





Dra. Marisol Pérez Gasque

Dra. Ana Gabriela Sifuentes Carrillo

Dr. José Humberto Viales Sosa

Dr. Eduardo Medina García

Dr. Carlos Guillermo Benitez Silva

Dr. Mario García Briseño



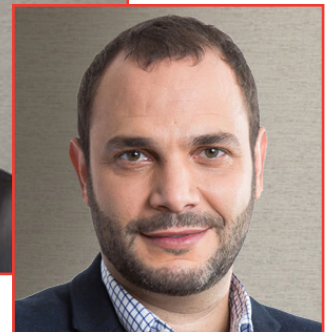
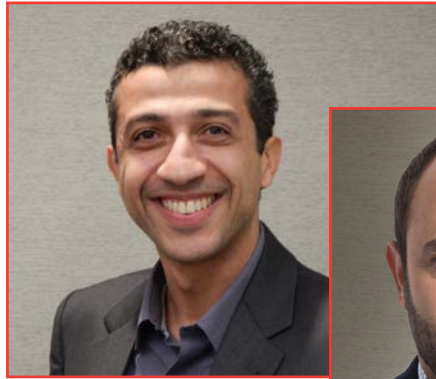
“Being part of this event was a life-changing experience. Having the opportunity to share my experiences with the students, dentists and specialists at the largest dental congress of my country made me think about all the things that can be explored in the future. I think that with participation on the LAOHA PhD program at São Paulo University has given me a new vision and another set of skills that could be of great use for the communication of new methodologies of clinical practices and also the possibility for the elaboration of clinical studies,” says Dr. Carlos Benitez.



**Dr. Carlos Benitez**  
PhD Student  
Sao Paulo University

# Acknowledgment

We would like to express our gratitude to Dr. Jamil Shibli and Dr. Cassio Carvalho for their contributions and leadership during their tenure as Directors on the Board.

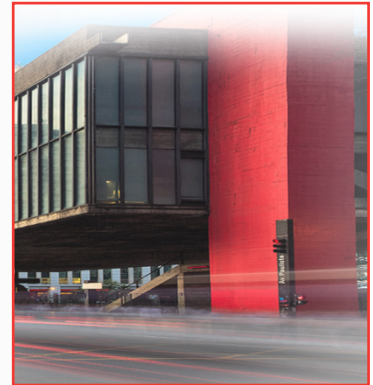


# Events 2019

## Latin American Oral Health Association

Periodontal disease and the impact on general health in Latin America

**JAN. 30, 2019**  
**São Paulo, Brazil**



## International Summit

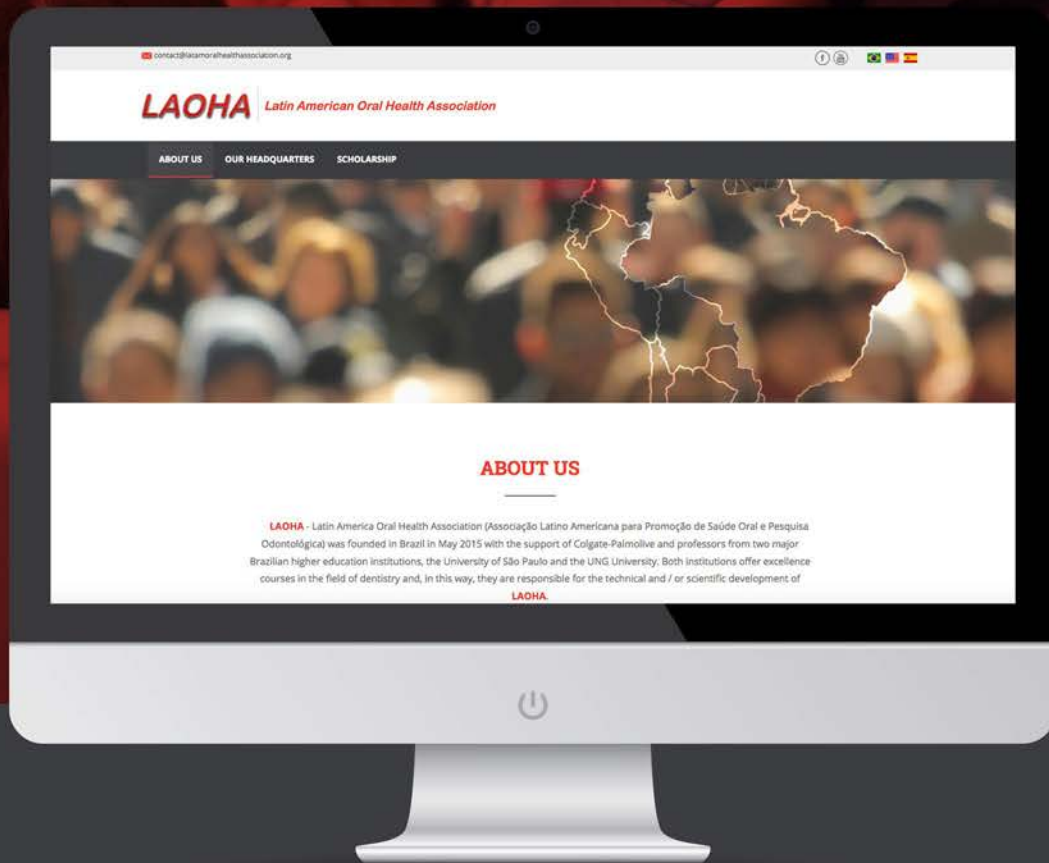
Moving from Research to Policy-making and Practice

**MAY. 2019**  
**São Paulo, Brazil**



# LAOHA WEBSITE

**Our website is online!** It is possible to visualize our mission, vision, objectives and all information about scholarships, Universities and the Board.



[www.latamoralhealthassociation.org](http://www.latamoralhealthassociation.org)

**LAOHA** | Latin American Oral Health Association

