



2024  
TIDC

# ข่าวสารทันตแพทย์ DAT NEWSLETTER

**Modern Dentistry and Beyond**  
**2024 Thailand International Dental Congress**

December 11-13, 2024

23<sup>rd</sup> Floor, World Ballroom, Centara Grand at CentralWorld, Bangkok, Thailand





## MESSAGE OF THE PRESIDENT and Chair of the Scientific Committee

Dear Members

It is my great pleasure to welcome you to the Thailand International Dental Congress 2024 (2024TIDC), which is held during December 11 - 13, 2024 at the Centara Grand at CentralWorld, Bangkok, Thailand. This conference marks a milestone as we bring together leading experts, researchers and practitioners from around the world to update knowledge, innovations and foster collaborations in dentistry.

Our theme this year "Modern Dentistry and Beyond" reflects our commitment to advance into the future of dental science and practice. We are honored to host distinguished speakers from Thailand and internationally renowned experts who will share their insights and experiences. Additionally, this conference has been organized as an international event, which aligns with our mission to promote academic knowledge and excellence. Additionally, the 2024TIDC Research Competition will provide a vibrant forum for researchers to showcase their creative work, promoting scholarly advancement and cooperation among the international dental communities.

We are also excited to offer participants a vibrant exhibition showcasing the latest dental technologies, products and services. This will be an excellent opportunity for you to explore new solutions and connect with industry leaders in the dental field.

We are confident that the insights shared during these three days will inspire and empower us all to elevate the standards of dental health that will leave a lasting impact on our profession.

Dr. Adirek Sriwatanawongsa

President and Chair of the Scientific Committee  
The Dental Association of Thailand



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20

## Modern Dentistry and Beyond 2024 Thailand International Dental Congress

December 11-13, 2024 @World Ballroom, Centara Grand & Bangkok Convention Centre at CentralWorld, Bangkok, Thailand

11 Dec 2024

**Chair: Assoc.Prof.Dr. Kanokporn Bhalang**



9.00 – 12.00

**Assoc.Prof.Dr. Seena Patel**

**Top 10 Pharmacotherapeutics for Orofacial Pain Disorders**

**Chair: Assoc.Prof.Dr. Siribang-on Piboonniyom Khovidhunkit**



13.30 – 15.30

**Asst.Prof.Dr. Ajiravudh Subarnbhesaj**

**Differential Diagnosis and Management of Oral Lesions by Location**



15.30 – 17.00

**Prof.Dr. Anak Iamaroon**

**Current Trends in Oral Potentially Malignant Disorders and Cancer**

12 Dec 2024

**Chair : Assoc.Prof.Dr. Pavinee Padipatvuthikul Didron**



9.00 – 12.00

**Dr. Knut Hufschmidt**

**Advanced Esthetic Restorations**

**Chair: Asst.Prof.Dr. Thanasak Rakmanee**



13.30 – 15.30

**Prof. Piranit Kantaputra**

**Strange Teeth, Strange Gum, Strange Jaws, and Their Clinical Implications**



15.30 – 17.00

**Asst.Prof. Chatchai Kunavisarut**

**Treatment Planning with Dental Implants: Keys to Success**

13 Dec 2024

**Chair: Asst.Prof.Dr. Marnisa Sricholpech**



9.00 – 11.00

**Asst.Prof.Dr. Wichaya Wisitrasameewong  
Asst.Prof. Pimchanok Sutthiboonyapan**

**Root Coverage 101: What to Expect?**



11.00 – 12.30

**Prof.Dr. Phimon Atsawasuwan**

**Interdisciplinary Orthodontics: Periodontal and Restorative Aspects**

**Chair: Asst.Prof.Dr. Yanee Tantilertanant**



13.30 – 15.30

**Assoc.Prof.Dr. Jeeraphat Jantararat**

**Strategies for Effective Management of Root Canal Retreatment Challenges**



15.30 – 17.00

**Assoc.Prof.Dr. Nikos Mattheos**

**The Patient's Journey in Implant Therapy: Dissecting Success and Failure**



**Special  
Topic!**



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***Modern Dentistry and Beyond***  
***2024 Thailand International Dental Congress***  
December 11-13, 2024

**f LIVE**

**11 DEC  
2024**

**13:30 – 15:30**

**At Lotus Suites 1-4**

**Chair: Asst.Prof.Dr. Yanee Tantilertanant**



**Prof.  
Hien Ngo**

***Glass-ionomer cements:  
Alternative Material  
in the Amalgamless Super-aging Era***

**📍 22<sup>nd</sup> Floor, Lotus Suites 1-4,**  
Centara Grand & Bangkok Convention Centre at CentralWorld, Bangkok, Thailand



# Top 10 Pharmacotherapeutics for Orofacial Pain Disorders



**Assoc.Prof.Dr.  
Seena Patel**

Many patients with orofacial pain disorders require pharmacologic intervention. Patient outcomes are dependent on appropriate medication selection, adverse effect profile, and method of administration. This lecture will review the top 10 medications used for arthrogenous, myogenous, and neuropathic conditions. The various topical, oral and injectable medications will be outlined.

Upon completion of this lecture, the participant will be able to:

1. Choose the appropriate medications for arthrogenous, myogenous and neuropathic disorders.
2. Describe the mechanism of action of pharmacotherapeutics for orofacial pain.
3. Describe the adverse effects of common medications in orofacial pain.



# Differential Diagnosis and Management of Oral Lesions by Location



**Asst.Prof.Dr.  
Ajiravudh Subarnbhesaj**

The differential diagnosis of oral and maxillofacial lesions by location is a crucial aspect of clinical practice in dentistry and oral medicine. This talk explores the diagnostic approach based on the anatomical location of lesions within the oral cavity and maxillofacial region. By categorizing lesions according to their specific sites, clinicians can effectively narrow down differential diagnoses, leading to more accurate treatment planning and improved patient outcomes. Key considerations include recognizing common lesions associated with specific oral structures, understanding the clinical presentations, and utilizing diagnostic tools such as imaging and histopathology. This presentation aims to enhance clinicians' ability to systematically evaluate and diagnose oral and maxillofacial lesions, ultimately optimizing patient care and management.

# Current Trends in Oral Potentially Malignant Disorders and Cancer



**Prof.Dr.**  
**Anak Iamaroon**

Oral potentially malignant disorders (OPMDs) are defined as any oral abnormality that is associated with a statistically increased risk of developing oral cancer particularly squamous cell carcinoma (SCC). OPMDs encompass a wide variety of oral lesions or conditions, for example leukoplakia, erythroplakia, proliferative verrucous leukoplakia, oral submucous fibrosis, lichen planus, actinic cheilitis, nicotine palatinus in reverse smokers, etc. OPMDs present diverse genetic, clinical, and histopathologic characteristics, and risks for malignant transformation. Of all, proliferative verrucous leukoplakia, nicotine palatinus in reverse smokers, erythroplakia, oral submucous fibrosis, and non-homogeneous leukoplakia carry a higher risk for cancer development than the others.

Although management for OPMDs is very challenging and often results in disappointing outcomes, recent medical and surgical interventions have been explored and shown interesting results. Novel medical interventions for treatment of leukoplakia/erythroplakia include local/systemic uses of retinoids, vitamin A, carotenoids, green tea extracts, black raspberry, Chinese herbs, Bowman-Birk inhibitor, NSAIDs, bleomycin, erlotinib, and curcumin. Surgical interventions, nevertheless, remain the first-line modality for treatment of leukoplakia/erythroplakia. Surgical excision and ablation of leukoplakia/erythroplakia with various techniques including cold blade, laser, cryotherapy, and photodynamic therapy have been used for treatment. Monitoring and surveillance of patients with OMPDs are essential since recurrences after treatment or development of new lesions may occur over time. Some authorities have suggested a life-long surveillance in patients with a history of leukoplakia/erythroplakia.

Oral cancer remains a devastating disease, globally due to its high mortality and morbidity rates. The patients' quality of life after treatment in general is unfavorable since the disease causes facial disfiguration and functional impairments in swallowing, speech, and taste. According to the Global Cancer Observatory, 377,713 cases were reported in 2020 with the majority of cases in Asia. Alarmingly, it is predicted that the incidence of oral SCC will increase by approximately 40% in 2040. Many risk factors have long been known to be associated with oral SCC especially tobacco uses, heavy alcohol consumption, betel quid chewing, and poor nutrition. Recently, some factors have been linked to development of oral SCC and recognized as emerging risk factors including human papillomavirus (HPV) infection and persistent exposure to PM 2.5. In Thailand, HPV infection particularly HPV types 16/18 has been found to be associated with oral SCC. The rate of HPV infection, however, geographically varies probably due to differences in sexual behavioral activities. Although the relationship between PM 2.5 and oral SCC remains limited in Thailand, recent data from China and Taiwan have shown that increased PM 2.5 exposure levels were associated with higher rates of oral and pharyngeal cancers. These alarming findings are of importance and need to be further explored since Thailand especially the northern and Bangkok regions have faced the serious problem of increased air pollution since the last decade.

In conclusion, dentists and other health care personnel could make a difference in day-to-day routine practice by recognition of OPMDs and early lesions of oral SCC since early interventions of these disorders could prevent development of oral cancer or progressive stages of oral cancer. Moreover, the campaign for reduction or cessation of all risk factors of oral cancer should be involved by all parties of the society. Last but not least, awareness should be raised that in cases of oral cancer, dentists and dental personnel could save patients' lives.

# Advanced Esthetic Restorations



**Dr.**  
**Knut Hufschmidt**

With the advent of the adhesive technique classical retentive preparation was no longer required. This led to a paradigm shift towards minimally invasive dentistry. Direct composite restorations and all-ceramic restorations take this minimally invasive approach into account.

By increasing the number of abutments by means of implant placement procedures, small prosthetic units can be created.

In extensive esthetic rehabilitation, the placement of CAD/CAM-fabricated long-term provisional restorations is an asset. The parameters that have been implemented and checked can be transferred to the final all-ceramic restorations in a 1:1 scale.

To provide esthetic and functional rehabilitation to patients with difficult and complex dental care needs, not only a clearly structured dental treatment plan but also a state-of-the art, multifunctional all-ceramic system is required.

This practical oriented lecture will focus on the important advantages of all-ceramic materials in the fabrication of predictable and high esthetic restorations and the delivery of defect-oriented care.

Supported by **ivoclar**



# Strange Teeth, Strange Gum, Strange Jaws, and Their Clinical Implications



**Prof.**  
**Piranit Kantaputra**

This lecture will cover a variety of rare dental, gingival, and jaw anomalies and how they tell us about the systemic conditions of the patients. The molecular genetics of the smallest and the biggest teeth in the world will be presented. The presence of supernumerary teeth may suggest that patients may have Cleidocranial Dysplasia or Tricho-Rhino-Phalangeal syndrome, Robinow syndrome, Familial adenomatous polyposis syndrome or Hallermann-Streiff syndrome. Mesiodens is the supernumerary tooth in the premaxilla. Recently, our group has identified 8 genes which are associated with the pathogenesis of mesiodens. The presence of gingival fibromatosis may suggest us as dentists to look for other associated conditions including nephrocalcinosis, kidney stones, cherubism-like lesions, hearing loss, hirsutism, or even epilepsy. The lectures will focus on what teeth and gingiva can tell us about syndromes which lead to clinical implications. For the past 2 years, our group has identified and published 8 genes responsible for the formation of mesiodens and oral exostoses.

# Treatment Planning with Dental Implants: Keys to Success



**Asst.Prof.Dr.  
Chatchai Kunavisarut**

"Treatment Planning with Dental Implants: Keys to Success" offers an in-depth exploration of the critical elements required for successful dental implant outcomes. Participants will gain a thorough understanding of patient assessment, clinical and radiographic evaluations, surgical techniques, and long-term maintenance protocols.

## Learning Objectives:

1. Conduct comprehensive patient assessments and align treatment plans with patient expectations.
2. Utilize advanced radiographic techniques to evaluate bone quality and quantity.
3. Select proper timing for implant placement.
4. Choose appropriate implant types and prosthetic designs based on individual clinical scenarios.
5. Implement precise surgical implant placement utilizing digital technology
6. Manage early and late complications effectively.
7. Develop long-term maintenance and follow-up protocols to ensure the longevity of dental implants.
8. Apply knowledge from real-world case studies to improve clinical practice.

## Root Coverage 101: What to Expect?



**Asst.Prof.Dr.**  
**Wichaya Wisitrasameewong**



**Asst.Prof.**  
**Pimchanok Sutthiboonyapan**

Root coverage is one of periodontal surgeries, aimed at treating gingival recession. This presentation aims to clarify the root coverage procedure for natural teeth, providing a comprehensive overview. Attendees will learn about the causes of gingival recession, indications for root coverage, and the various techniques employed, such as connective tissue grafts, free gingival grafts, and others. The session will also cover patient selection criteria, expected outcomes, and post-operative care to ensure optimal results. By understanding the fundamentals of root coverage, attendees will be better equipped to make decisions, as an operator or a referral dentist, and achieve successful clinical outcomes.

# Interdisciplinary Orthodontics: Periodontal and Restorative Aspects



**Prof.Dr.  
Phimon Atsawasuwana**

This lecture provides an overview of interdisciplinary orthodontic concepts. The philosophy and treatment strategy in orthodontics involves other dentistry specialties as an integrated treatment approach for complex clinical situations to improve the overall treatment prognosis and enhance the treatment results.

Learning objectives:

1. Understand the treatment philosophy and concept of interdisciplinary orthodontic treatment.
2. Develop the proper treatment plan with other specialties to manage complex clinical situations.
3. Promote communication with other specialties to obtain proper treatment plans and sequences.



# Strategies for Effective Management of Root Canal Retreatment Challenges



**Assoc.Prof.Dr.**  
**Jeeraphat Jantararat**

This lecture aims to provide a detailed examination of strategies for effective management in root canal retreatment, emphasizing precision in diagnosis, technological innovations, and clinical skills. Key topics include the identification and negotiation of complex canal systems, removal of obturation materials such as gutta-percha or bioceramic sealers, management of procedural complications, and the role of contemporary tools such as cone-beam computed tomography (CBCT) and dental operating microscopes. Through a review of current literature and clinical case studies, the lecture will highlight evidence-based approaches and practical tips to enhance the predictability of retreatment outcomes.

## Learning objectives:

1. This presentation aims to equip practitioners with the knowledge and skills necessary to overcome the challenges of root canal retreatment.
2. Master the latest technologies to improve retreatment technique.
3. Learn strategies for handling complications for better clinical results.

# The Patient`s Journey in Implant Therapy: Dissecting Success and Failure



**Assoc.Prof.Dr.**  
**Nikos Mattheos**

We often say that "every patient is a story, and every treatment is a journey" and the implant patient is a patient with a long journey indeed. For many patients the journey started many years before our initial examination: Maybe when they were first diagnosed with periodontitis, when they underwent treatment or when they lost teeth and started contemplating replacement. Every station of this journey brings along new luggage, emotions, perceptions. To make sure we walk in sync with our patients the part of the journey of implant therapy that we will share, it's important to better understand the patients' point of view and how they approach success and failure.

As clinicians, we have developed sophisticated measurements to assess success of treatment with dental implants, based on soft and hard tissue outcomes, esthetics and function. It is evident however that our patients have very different parameters to perceive success. It is not uncommon, when it comes to larger oral rehabilitations that successful clinical outcomes are experienced by the patient as unsuccessful treatments and vice versa. Such problems have been recently addressed by the increasing application of some sophisticated supplement to clinical research: Patient Reported Outcomes Measures, or PROMs.

With a clinical focus in implant dentistry, this lecture will aim to investigate the often-neglected mechanisms that influence patient satisfaction. Based on recent evidence from psychology and clinical dentistry, we will discuss how patient's perceptions and expectations can impact implant therapy and affect their satisfaction with the outcome. Furthermore, this presentation will attempt to describe patient assessment and communication strategies which will help the clinician to early identify and correct dangerous misperceptions, communicate effectively and share the responsibility of decision making with the patient.

# Glass-ionomer cements: Alternative Material in the Amalgamless Super-aging Era

**Special Topic!**



**Prof.  
Hien Ngo**

In July 2024, the European Commission announced a proposal to phase out dental amalgam by January 1, 2025, a move set to happen five years earlier than previously planned. This includes a complete ban on the manufacture and export of amalgam within the EU. Although dental amalgam has been a reliable and cost-effective choice for direct restorations, particularly for underserved populations, the impending phase-out raises concerns about potential cost increases, clinical uncertainties, and possible barriers to patient access.

Despite ongoing efforts by dental manufacturers to develop alternatives, progress in this area has been limited. Currently, the main substitutes for dental amalgam are composite resins and glass ionomer cements. This lecture aims to equip clinicians with the knowledge to adapt to a post-amalgam landscape, highlighting notable advancements in glass ionomer technology, particularly glass hybrid technology. This innovation enhances the effectiveness of glass ionomer, making it suitable for specific Class II restorations.

Additionally, the presentation will outline practical steps clinicians can take to ensure the performance of these alternative materials, while also delving into tooth-preserving restorative techniques. By embracing these advancements, dental professionals can continue to provide high-quality care despite evolving regulatory frameworks.

## 22<sup>nd</sup> FLOOR PLAN



Update: 1 NOV 2024



## 23<sup>rd</sup> FLOOR PLAN



Update: 1 NOV 2024

# DETAIL

## 22<sup>nd</sup> FLOOR

- **Trade Exhibition**
- **LOTUS SUITE 1 - 4 :**
  - Meeting Room (11 Dec 24)
  - NDA Forum (12 Dec 24)
- **LOTUS SUITE 5 - 7 :**
  - Conference Badge (Dentist / 65+ / Graduated)
  - Receipt + Bag (Dentist)
  - Visitor (Non-Dentist)
- **LOTUS SUITE 12 :** Baggage drop-off
- **Information + Visitor Dentist**
- **Apply for membership**

Contact: The Dental Association of Thailand  
(Registration area)

## 23<sup>rd</sup> FLOOR

- **Conference Hall**
- **LOTUS SUITE 15**
  - VIP Room
- **Poster Competition**

### Badge pick up

- **VIP**
- **Speaker**
- **DAT Executive**



# CRITERIA FOR COLLECTION CE CREDIT



Total 20 CE CREDITS

11  
DEC

Top 10 Pharmacotherapeutics for Orofacial Pain Disorders

3

Differential Diagnosis and Management of Oral Lesions  
by Location

2

Current Trends in Oral Potentially Malignant Disorders  
and Cancer

1.5

12  
DEC

Advanced Esthetic Restorations

3

Strange Teeth, Strange Gum, Strange Jaws and Their  
Clinical Implications

2

Treatment Planning with Dental Implants: Keys to Success

1.5

13  
DEC

Root Coverage 101: What to Expect?

2

Interdisciplinary Orthodontics: Periodontal and  
Restorative Aspects

1.5

Strategies for Effective Management of Root Canal  
Retreatment Challenges

2

The Patient's Journey in Implant Therapy: Dissecting  
Success and Failure

1.5

**Special  
Topic!**

11 DEC : LOTUS SUITE 1 - 4

Glass-ionomer cements: Alternative Material in the  
Amalgamless Super-aging Era

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# DAT NEWSLETTER

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