

THOMAS VIOLA, R.PH., C.C.P.

A collection of various pills and capsules in different colors (white, blue, orange, pink, yellow) and shapes (round, oval, capsule) scattered across the right side of the page.

2023 SPEAKER PACKET

Knowledge of dental
pharmacology has never
been more essential to
patient care.

The challenge faced by all dental professionals today is to provide safe and effective treatment to our medically complex patients.

As dental professionals, we must be equally aware of the medical considerations of agents commonly used in the practice of dentistry as well as the dental considerations of the medications frequently prescribed for the treatment of multiple systemic diseases.

In his dynamic, information-packed programs, Tom Viola, R.Ph., C.C.P. draws from his 30+ years' experience as a pharmacist, educator, speaker and author to offer a complete overview of the principles of dental pharmacology.

**Make Pharmacology what it was always meant to be:
your most valuable instrument in treating today's
medically complex patient.**



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TOM VIOLA
PHARMACOLOGY DECLASSIFIED

PRESENTATIONS

DENTAL PAIN MANAGEMENT

"I Haven't Got Time For This Pain"

Dental Pain Management For The Entire Team!

"Hurts So... Swell!"

Management of Acute Dental Pain and Appropriate Opioid Prescribing

"I Have Become...Profoundly Numb!"

Local Anesthetics, Vasoconstrictors and Clinical Dental Considerations

MEDICALLY COMPLEX PATIENT MANAGEMENT

"It's (Medically) Complicated!"

Essential Pharmacology for Treating Medically Complex Dental Patients

"Mysteries Of The Medical History"

Every Dental Professional's Toolkit in Successfully Interpreting A Patient's Medical History

"The Chamber Of Secrets"

Self-Medication: Dental Considerations and Patient Care Planning

DISEASE STATE MANAGEMENT

"Sugar? Yes, Please!"

Diabetes Mellitus, Dental Considerations and Patient Care Planning

"Un-Break My Heart"

Cardiovascular Disease: Dental Considerations and Patient Care Planning

SUBSTANCES OF ABUSE

"Take It On The Run, Baby!"

Street Drugs and Other Substances: Patient Care Considerations

"Waiting To Inhale?"

The Rise of Cannabis, Cannabinoids and Terpenes

"Something In Our Mist"

Will Vaping Challenge The Dental Professions as Smoking Has In The Past?

"I Haven't Got Time For This Pain"

Dental Pain Management for The Entire Team!

**Could optimizing safe, effective,
and appropriate pain control
help you to retain
and acquire patients?**

Management of acute odontogenic pain is accomplished through a clinical approach that successfully incorporates intraoperative local anesthesia and a postoperative regimen of non-opioid and opioid analgesics. However, improper and inappropriate use of both local anesthetic agents and analgesics have the potential to produce adverse outcomes for our patients. Thus, it is critical for clinicians to accurately evaluate the need for pain control, identify associated risks, and assess the efficacy of the agents to be administered.

This program will provide participants with a comprehensive understanding of the pharmacology and therapeutics of local anesthetic agents and analgesics. Special emphasis will be given to effective perioperative pain management and best practices for prescribing analgesics for postoperative pain control.

Suggested Audience: Dentist, Dental Hygienist, Full Team

Suggested Format: Full or Partial Day; Lecture, Workshop, Keynote

Learning Objectives

- Discuss local anesthetic agents with respect to their mechanisms of action, adverse effects, contraindications and clinical considerations.
- Differentiate between the two major classes of local anesthetic agents with respect to their distribution, metabolism, adverse effects, drug interactions and contraindications.
- Specify the various local anesthetic agent combinations most commonly used in dentistry and the rationale for their use in specific clinical situations.
- Explain the rationale for the use of vasoconstrictors and potential adverse effects.
- Describe the pharmacology and mechanism of action of analgesics used in the management of acute dental pain, including situations which may preclude their use.
- Examine the intended role of opioid and non-opioid analgesics in the treatment of acute dental pain, as well as situations which may preclude their use.
- Discover best practices for prescribing analgesics, as well as proper storage and disposal of unused dosages.
- Identify techniques useful in recognizing and identifying potential opioid addiction and current protocols for its treatment.



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“Hurts So... Swell!”

Management of Acute Dental Pain and Appropriate Opioid Prescribing

Every day, more than 115 Americans die after overdosing on opioids.
- National Institute on Drug Abuse

Management of acute odontogenic pain is accomplished through a clinical approach that successfully incorporates both opioid and non-opioid analgesics. However, moderate to severe dental pain often occurs well after office hours and away from our immediate supervision. Thus, it is critical for clinicians to be able to accurately identify a patient's need for pain control, develop an individualized pain management plan and assess the efficacy of analgesic agents employed.

This program will provide strategies for effectively managing dental pain with opioid and non-opioid analgesics and analgesic adjuvants, while also mitigating associated risks. Special emphasis will be given to appropriate practices for prescribing analgesics as well as identification and treatment of opioid analgesic abuse.

Suggested Audience: Dentist, Dental Hygienist, Full Team
Suggested Format: Full or Partial Day; Lecture, Workshop, Keynote

Learning Objectives

- Understand the pharmacology and mechanism of action of opioid and non-opioid analgesics, as well as their potential for abuse.
- Identify the intended roles of these analgesics in the treatment of acute dental pain, as well as situations which may preclude their use.
- Discuss best practices for prescribing opioid analgesics as part of an individualized patient pain management plan.
- Describe techniques useful in recognizing and identifying potential addiction as well as avoiding potential drug diversion.
- Learn current protocols for the management and treatment of opioid addiction.
- Examine guidelines for proper storage and disposal of unused dosages.

“So much practical information! So many, many laughs! You held my attention every second! I’m blown away!”

—M.B., Yankee Dental Congress



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“I Have Become... Profoundly Numb!”

Local Anesthetics, Vasoconstrictors, and Clinical Dental Considerations

More than 54% of medical emergencies occur during or immediately following local anesthesia administration.

-JADA

Management of odontogenic pain may be accomplished through a clinical approach that successfully incorporates intraoperative local anesthesia. However, improper and inappropriate use of local anesthetic agents has the potential to produce life-threatening, systemic adverse reactions. Thus, a thorough knowledge of the pharmacology and therapeutics of local anesthetic agents is essential for their safe and effective use.

This program will provide participants with an overview of local anesthetic agents commonly used in dental practice. Special emphasis will be given to developing strategies and techniques essential to accurately identify the need for pain control, individualize patient care, and assess the efficacy of the local anesthetic agents administered.

Suggested Audience: Dentist, Dental Hygienist, Full Team

Suggested Format: Full or Partial Day; Lecture, Workshop, Keynote

Learning Objectives

Explain the basic mechanism of action of local anesthetic agents.

Differentiate between the two major classes of local anesthetic agents with respect to their distribution, metabolism, adverse effects, drug interactions and contraindications.

Discuss the rationale for the use of vasoconstrictors in local anesthetic solutions and their potential effects in common organ system disease states.

Specify the various local anesthetic agent combinations most commonly used in dentistry and the rationale for their use in specific clinical situations.



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“It’s (Medically) Complicated!”



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Essential Pharmacology for Treating Medically Complex Dental Patients

Are you confident in your knowledge of medications and dietary supplements, as well as their drug interactions, adverse reactions and effects on patient management and treatment planning?

Dental professionals must frequently draw upon their knowledge of pharmacology for optimal care of today’s medically complex dental patients. However, pharmacology often represents only a small portion of most dental degree programs. Armed with a relatively brief exposure to this vast subject, many dental professionals simply cannot keep up with the latest trends in disease state management.

This comprehensive program explores the dental implications of the prescription medications, non-prescription medications, herbal products, nutritional supplements and substances of abuse most frequently used by patients. Participants receive this essential information in a format which is not only practical and applicable but also highly entertaining for the entire dental team.

Suggested Audience: Dentist, Dental Hygienist, Full Team

Suggested Format: Full or Partial Day; Lecture, Workshop, Keynote

Learning Objectives

- Identify the prescription medications most frequently encountered on a patient’s medical history and discuss their indications for use, adverse reactions and impact on dental therapy.
- Discuss the non-prescription medications most often used by dental patients and explain their impact on dental therapy, including situations which preclude their use.
- Explore the most popular herbal products and nutritional supplements and discuss their purported uses and dental considerations.
- Know the most common substances of abuse and describe their oral manifestations and dental treatment considerations.
- Discover techniques for identifying and managing self-medicating and substance-abusing patients.



“Mysteries of the Medical History!”

Every Dental Professional's Toolkit in Successfully Interpreting A Patient's Medical History

Do you have what it takes to read and interpret a patient's medical history and identify potential contraindications to dental treatment and/or treatment plan modifications?

What potential complications lurk behind the patient's medical history that may impact dental therapy, alter treatment plans and perhaps even result in medical emergencies? Armed only with a summary of past and current disease states and a list of current medications, will you be able to decipher the clues, solve the mystery and employ innovative treatment strategies to save the day?

This program will provide practical tools every dental professional can use every day to assist them in interpreting the information about medications, supplements and substances of abuse contained in a patient's medical history and understanding their impact on dental treatment planning and patient care.

Suggested Audience: Dentist, Dental Hygienist, Full Team

Suggested Format: Full or Partial Day; Lecture, Workshop, Keynote

Learning Objectives

- Discuss the medications, supplements and substances of abuse most frequently encountered on a patient's medical history and their impact on dental therapy.
- Describe medication-induced and systemic illness-induced xerostomia and specific clinical technologies dental professionals may employ to combat its negative effects.
- Explore innovative treatment options available with injectable and topical anesthetics for managing pain in medically complex patients.
- Identify the clinical signs and symptoms of undiagnosed systemic illness which may be present during routine oral examination.



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Self-Medication: Dental Considerations and Patient Care Planning

**What is your patient NOT telling you
about what's in their medicine cabinet?**

Armed with limited information and faced with rising prescription drug costs, many patients self-medicate with prescription and OTC drug products. Often this is not mentioned during their exam and review of their medical history. Unfortunately, this may put patients at risk for potentially serious interactions and adverse outcomes.

This program provides participants with an overview of the dental considerations of the most popular prescription and non-prescription drugs and supplements which patients use to self-medicate. Special emphasis will be given to techniques useful in successfully identifying self-medication and obtaining a complete patient medication history.

Suggested Audience: Dentist, Dental Hygienist, Full Team

Suggested Format: Full or Partial Day; Lecture, Workshop, Keynote

Learning Objectives

Identify and evaluate the potential considerations and impact on dental therapy from self-medication with:

- **Prescription and over-the-counter drugs**
- **Herbal and nutritional supplements**
- **Licit and illicit substances**

Learn techniques for successfully recognizing and managing self-medicating patients

Discover effective communication strategies for obtaining a complete medical history.



“Sugar? Yes, Please!”

Diabetes: Dental Consideration and Patient Care Planning

While millions of Americans with diabetes have been diagnosed, a significant number remain undiagnosed.

Diabetes and its co-morbidities remain a leading cause of death and their systemic complications have a significant impact on dental therapy. *Would you know the symptoms if you saw them?*

This program explores diabetes, the arsenal of medications used in its treatment and the impact of both the disease and its treatment on dental therapy. Participants will explore patient management strategies essential for successful treatment planning and proper care of our diabetic patients. Special emphasis will be placed on the complex interplay between diabetes and the oral-systemic connection.



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Suggested Format: Full or Partial Day; Lecture, Workshop, Keynote

Learning Objectives

- Identify the different types of diabetes, including symptoms and differential diagnosis.
- Describe the complex interplay of diabetes and the oral-systemic connection.
- Review the classes of medications used in the treatment of diabetes and its co-morbidities.
- Explore patient management strategies essential for successful treatment planning and proper patient care.

“Thank you for making me laugh AND learn! Only you could make pharmacology THIS enjoyable and useful!”

—D.H., Greater New York Dental Meeting

“Un-Break My Heart!”

Cardiovascular Disease: Dental Considerations and Patient Care Planning

Did you know that cardiovascular disease is often asymptomatic and undiagnosed, only to be discovered during a routine medical or dental check-up?

Cardiovascular disease and its systemic complications remain the leading cause of death for both men and women and has a significant impact on dental therapy.

This program explores the family of cardiovascular diseases (including hypertension, coronary artery disease, hyperlipidemia, and congestive heart failure) and the medications used in their treatment. Participants will explore patient management strategies essential for successful treatment planning. Special emphasis will be given to newly approved anticoagulant agents and their effect on dental therapy.



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Suggested Audience: Dentist, Dental Hygienist, Full Team

Suggested Format: Full or Partial Day; Lecture, Workshop, Keynote

Learning Objectives

- Identify the different cardiovascular diseases and classes of medications used in their treatment.
- Explore the clinical implications of these medications including adverse reactions and contraindications to dental therapy.
- Discuss the newest anticoagulants available including their adverse reactions and patient care considerations.
- Describe the treatment modifications and care planning strategies recommended for dental patients with cardiovascular disease.

“This was by far the BEST presentation I’ve been to in 30 years of practice! I didn’t want it to end! Really!”

—D.H., Greater New York Dental Meeting

“Take It On The Run, Baby!”

Street Drugs and Other Substances of Abuse: Patient Care Considerations

It’s a fast-paced world and many patients may seek the assistance of substances to cope and get through their busy, trying days.

The use and abuse of both licit and illicit substances has the potential to produce adverse reactions and life-threatening medical emergencies during dental treatment.

This comprehensive program will explore strategies for identifying the dental patient using and abusing substances, as well as techniques for effective patient management and treatment. **Special emphasis will be given to a discussion of patients with previously existing or current substance abuse and the impact on patients using cannabis for medical and recreational purposes.**

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Suggested Format: Full or Partial Day; Lecture, Workshop, Keynote

Learning Objectives

- Discuss the impact of substance dependence and abuse on dental therapy and on overall patient health.
- Identify the most common illicit and licit substances of abuse and dependence and discuss:
 - Street names
 - Common adverse effects
 - Oral manifestations
 - Dental treatment considerations
- Describe techniques useful in identifying and successfully managing patient substance use and dependency.

**Bath Salts.
Gravel.
Cheese.**

Think you know what these are?

These are names for some of the most common street drugs.

“Waiting To Inhale?”



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The Rise of Cannabis, Cannabinoids and Terpenes

**Do you know enough about cannabis
to have THAT conversation
with your patients?**

The DEA considers cannabis to have no accepted medical use. Therefore, it is illegal to possess. Yet, almost every state has enacted legislation aimed at legalizing or decriminalizing cannabis for medical or recreational use. Despite this rise in social and legal acceptance, public health concerns regarding the use of cannabis remain, especially among dental professionals since the major routes of administration of cannabis involves the oral cavity.

This program will introduce dental professionals to the pharmacology of cannabis, including its various dosage forms, routes of administration and adverse reactions. Special emphasis will be placed on the effects of cannabis use on oral health and dental treatment, as well as the proposed use of cannabis in dentistry for the management of patient anxiety and odontogenic pain.

Suggested Audience: Dentist, Dental Hygienist, Full Team

Suggested Format: Full or Partial Day; Lecture, Workshop, Keynote

Learning Objectives

- Discuss the history and various types of cannabis, as well as its current legal status and proposed uses in dentistry.
- Describe the pharmacology of cannabis, including its mechanism of action, routes of administration and available formulations.
- Identify the effects of cannabis on major organ systems.
- Explain the clinical considerations of cannabis use, including adverse reactions, drug interactions and contraindications.
- Explore the dental considerations of cannabis, including potential treatment modifications, and strategies for patient care planning.



“Something In Our Mist”

Will Vaping Challenge The Dental Professions as Smoking Has in The Past?

Is Vaping Really A Safe Alternative to Smoking Tobacco?

Although conventional cigarette smoking among young adults has declined markedly over the past several decades, there has been a substantial increase in the use of vaporizing devices. While originally designed as alternative delivery vehicles for nicotine in place of tobacco, advances in technology and lack of strict regulation has given rise to the use of these devices as delivery vehicles for a variety of substances, especially cannabis. Unfortunately, very little information is available about the safety of the active and inactive ingredients present in products used for vaping.

This course will provide participants with an overview of cannabis, vaping, and their overall systemic adverse effects. Special emphasis will be given to the oral complications associated with vaping, as well as patient care planning strategies.

Suggested Audience: Dentist, Dental Hygienist, Full Team

Suggested Format: Full or Partial Day; Lecture, Workshop, Keynote



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Learning Objectives

- Describe the pharmacology of cannabis, including its mechanism of action, routes of administration and available formulations.
- Compare smoking and vaping as alternate delivery systems for introducing drugs like nicotine and cannabis into the lungs.
- Describe the oral and systemic complications encountered by patients who vape.
- Explain current available treatment strategies and patient care planning techniques for patients who vape cannabis.



Presentations

- Academy of General Dentistry
- American Dental Association
- American Dental Hygienists Association
- Chicago Midwinter Meeting
- Florida Dental Convention
- Greater Long Island Dental Meeting
- Greater New York Dental Meeting
- Hinman Dental Meeting
- Oregon Dental Conference
- Pennsylvania Dental Association
- RDH Under One Roof
- Rocky Mountain Dental Convention
- Southwest Dental Conference
- Star of the North Meeting
- Star of the South Meeting
- The Texas Meeting
- Western Regional Dental Experience
- Yankee Dental Congress

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Dental professionals are tasked with the safe and effective management of medically complex patients.

Knowledge of dental pharmacology has never been more essential to patient care.

With over 30 years' experience as a board-certified pharmacist, clinical educator, professional speaker and published author, Tom Viola, R.Ph., C.C.P. has earned his national and international reputation as the go-to specialist for making pharmacology practical and useful for all members of the dental team.

As the founder of Pharmacology Declassified, Tom provides valuable insight on the complex interplay between pharmacology and physiology so that clinicians may be knowledgeable about not only the dental considerations of medications used to treat systemic illness but also the systemic considerations of medications used to provide dental treatment. As an educator, Tom is a member of the faculty of over 10 dental professional degree programs and has received several awards for outstanding teacher of the year.

As an author, Tom is well known for his contributions to several professional journals, has served as a contributor, chapter author and peer reviewer for several pharmacology textbooks and currently serves as a consultant to the American Dental Association's Council on Scientific Affairs.

As a speaker, Tom has presented over 1000 informative, humorous and engaging continuing education seminars and webinars to dental professionals internationally since 2001. Meeting planners and attendees agree that Tom is their choice to educate within this dental specialty.

