Physical Therapy Interventions for Temporomandibular Dysfunction and Craniofacial Pain

This course is an overview of how the physical therapist approaches TMD. Topics include clinical examination and evaluation, pertinent craniovertebral and craniomandibular anatomy and biomechanics, goals of physical therapy for TMD patients, and specific physical therapy interventions for spinal and TMJ pathology including disc displacements, myofascial pain, postural re-education and modalities.

COURSE OBJECTIVES:
- Attendees will have fundamental understanding of anatomy and biomechanics of the TMJ
- Understand the regional interdependence of craniovertebral spine & TMJ
- Understand the goals of PT for patients with TMD
- Have a basic understanding of the manual and exercise therapy interventions for the cervical spine and TMJ

Catherine Lyons, PT, DPT, Chair Mile High District, Colorado Chapter APTA, Regis University School of Physical Therapy

Topics in Medicine: Diabetes, Asthma, Pregnancy, and Dermatology

This session presents four topics in medicine that have oral health implications or may affect dental care. The topics included are diabetes, asthma, pregnancy, and dermatology. Current diagnosis and treatment of these conditions will be reviewed as well as their oral-systemic connections.

COURSE OBJECTIVES:
- Understand current diagnosis, management, and oral health consequences of diabetes and asthma
- Review pregnancy physiology, prenatal care, and oral health implications for mother and infant
- Recognize common skin conditions as they manifest on the head, neck, and in the oral cavity

Karen Chacko, MD, Associate Professor, Department of Internal Medicine, University of Colorado School of Medicine
Mark Deutchman, MD, Department of Family Medicine, Associate Dean for Rural Health, University of Colorado School of Medicine; Professor, University of Colorado School of Dental Medicine
Karen White, MD, Associate Professor, Department of Internal Medicine, University of Colorado School of Medicine

Periodontics and Implant Dentistry for General Dentists

This course will discuss surgical objectives, rationale, complications and their management related to crown lengthening, extraction, site preservation, and dental implants. Dr. Chandrasekaran will also discuss other surgical modalities in periodontics and how a restorative dentist can improve treatment outcomes of periodontal procedures.

COURSE OBJECTIVES:
- Provide participants an overview of the art and science of performing surgical procedures such as crown lengthening, site preservation and implant dentistry
- Provide participants up-to-date evidence related to these surgical procedures
- Provide tools to improve restorative and periodontal treatment outcomes

Sangeetha Chandrasekaran, BDS, MS, MS, Assistant Professor, Department of Surgical Dentistry, University of Colorado School of Dental Medicine
Zirconia Restorations: Current Status and Guidelines for Success

There are many types of zirconia restorations available today, but also a spectrum of opinions and data on the topic. This course will outline the current literature for the use of zirconia in implant and restorative dentistry, present advantages and disadvantages with zirconia restorations in specific situations, as well as provide practical guidelines for the successful use of zirconia in clinical practice. This presentation will cover zirconia implant abutments, both veneered and monolithic fixed restorations, and the zirconia full-arch prosthesis.

**COURSE OBJECTIVES:**

- Provide practitioners with the ability to differentiate between the available zirconia options
- Provide an approach for integrating zirconia into clinical practice
- Provide the tools necessary to minimize risk and improve outcomes

**BRIAN LIMMER, DMD, MS, Assistant Professor, Restorative Dentistry, University of Colorado School of Dental Medicine**

Pharmacology Update 2015: What’s New & What’s Review

This course will review foundational pharmacologic principles that underlie clinical applications in everyday dentistry for pain control, orodental infections, and drug-drug interactions. Pain control will be discussed in the context of the dentists’ role in the “epidemic” of prescription painkiller abuse. A brief review of the prophyaxis and treatment of orodental infections will be provided. Drug-drug and drug-disease interactions in dentistry will be presented on a mechanistic basis by drug – target category – categories covering 33 of the top 50 most prescribed drugs.

**COURSE OBJECTIVES:**

- Apply basic pharmacologic principles to an understanding of common dental pharmacotherapy
- Describe the components of nociceptive pain and neuropathic pain as relevant targets for the pharmacotherapy of acute and chronic pain
- Describe the role of opioid and non-opioid analgesics and adjunctive medications in each type of pain
- Apply general principles of antibiotic prophylaxis to dental practice
- Outline general guidelines for empiric therapy of odontogenic infections
- Describe the major pharmacokinetic and pharmacodynamic mechanisms underlying drug-drug and drug-disease interactions and cite specific examples of import to dental practice

**THOMAS FRENCH, PHD, RPH, Senior Instructor, Department of Pharmacology, University of Colorado School of Medicine**

Dental Pain and Emergencies

This course covers the diagnostic and treatment considerations for managing the patient in pain and other emergency problems encountered in the general dentistry practice. The course will examine dental conditions that cause pain. The protocols reviewed will enable the practitioner to formulate a differential diagnosis of acute pain situations encountered in dental practice and describe an appropriate plan to treat these conditions. The procedures described will be reliable, repeatable, concise, and thorough. It is extremely important for the general practitioner to be comfortable with emergency patients and be able to diagnose and treat their conditions with confidence and efficiency.

**COURSE OBJECTIVES:**

- Pain diagnosis and pulp testing: objective vs. subjective findings in role of endodontic diagnosis and understanding the use of various clinical tests used to obtain your pulp and periodontium diagnoses
- Diagnosis and treat traumatic injuries: describe an orderly clinical exam for facial trauma patients
- Define and explain referred pain from a peripheral and CNS point of view

**SALLY PRESTON, DDS, Associate Professor, Department of Surgical Dentistry, University of Colorado School of Dental Medicine**

**SHIELA STILLE, DDS, Assistant Professor, Department of Surgical Dentistry, University of Colorado School of Dental Medicine**
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CHECK-IN & BREAKFAST: 8:30 – 9:00 a.m.

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Please refer to your confirmation letter for more details on course location and directions.

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