



ortho designers

excellence in education. designed by orthodontists.

Lectures and Workshops Course Catalogue



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I

Orthodontic Techniques Lecture Series

Orthodontic Techniques: Introduction to Orthodontic Techniques

OBJECTIVE – Basic introduction to orthodontic principles and techniques.

This beginners' lecture is the first part of the orthodontic techniques lecture series. Doctors will be introduced to orthodontic terminology including the basic anatomy of an orthodontic twin bracket. Bracket prescriptions will be reviewed and fundamentals of tip, torque, and offset modifications within bracket prescriptions will be analyzed. An introduction to the fundamentals of different wire types and sizes will also be reviewed. This lecture serves as the foundation for all other lecture series as it introduces doctors to the basics and fundamentals of the orthodontic specialty.

Course Hours = 1.5

Course Fee: \$299

Orthodontic Techniques: Fundamentals of Bracket and Wire Placement

OBJECTIVE – Introduction to bracket positioning, armamentarium, and wire placement.

This fundamental course will go through the basics of bracket positioning for each tooth to achieve ideal results. Doctors will go through a step-by-step guide to placing brackets and will be introduced to the armamentarium required to complete the initial bonding appointment. Finally, the placement of wires, elastomeric ligatures, and steel ligatures will be reviewed.

Course Hours = 1.5

Course Fee: \$299

Orthodontic Techniques: Orthodontic Adjustments and Wire Sequencing

OBJECTIVE – Workflow of orthodontic adjustment visits will be reviewed and treatment sequence of wire changes are outlined.

After the initial bonding appointment, regular orthodontic adjustment visits follow a specific sequence of wire changes and modifications. The specifics of using nickel-titanium, beta-titanium, and stainless steel wires of different shapes and sizes will be reviewed. A step-by-step guide will be provided for regular adjustment visits and doctors will be advised on what to look for during each orthodontic adjustment visit. Interproximal reduction techniques are also reviewed.

Course Hours = 1.5

Course Fee: \$299

Orthodontic Techniques: Orthodontic Special Considerations and Troubleshooting

OBJECTIVE – Review of various alterations to the traditional orthodontic adjustment workflow in certain cases as well as troubleshooting strategies.

Not every orthodontic case follows a traditional adjustment workflow. Depending on certain orthodontic malocclusions, certain modifications need to be made to traditional orthodontic adjustment techniques in order to achieve favorable final results. Situations such as ectopic teeth, impacted or blocked out canines, altered tooth size/shape, and supraerupted or tipped teeth are discussed. Considerations that need to be addressed in extraction-based treatment are also discussed regarding space closure. Finally, troubleshooting strategies are reviewed.

Course Hours = 2.0
Course Fee: \$399

Orthodontic Techniques: Orthodontic Finishing, Detailing, and Wire Bending

OBJECTIVE – Doctors will learn the essentials of finishing and detailing after the leveling and alignment stage of orthodontic treatment.

After the leveling and alignment stage of orthodontic treatment and after space closure (if needed) comes the final finishing and detailing portion of orthodontics. Fundamentals of wire bending are reviewed including first, second, and third order bends. Bracket engagement after wire bending is also reviewed.

Course Hours = 2.0
Course Fee: \$399

Orthodontic Techniques: Orthodontic Debonding and Retention

OBJECTIVE – Doctors will learn the steps taken during the final debond appointment as well as different retention protocols.

The final active orthodontic appointment involves debanding all the brackets and delivering the retainers. Deband procedures are reviewed as well as different types of retainers and when they are indicated. Removable Hawley, Essix, and fixed retainers are discussed.

Course Hours = 1.0
Course Fee: \$299

Orthodontic Techniques:

SPECIAL LECTURE: Mastering Clear Aligner and Invisalign Therapy

OBJECTIVE – Doctors will get an in-depth review of the science of clear aligners including Invisalign.

Clear aligners have become a routine option for orthodontic treatment. Clear aligner technology has improved to the point where almost any type of orthodontic mechanic or movement can be accomplished if the intricate science of clear aligners is carefully executed. This in-depth course will review the science of clear aligners and how to incorporate specific mechanics into ClinChecks or clear aligner prescriptions to achieve desired results and movements.

Course Hours = 2.5

Course Fee: \$499

Orthodontic Techniques:

SPECIAL LECTURE: Orthodontic Digital Systems and Indirect Bonding

OBJECTIVE – Doctors will learn how to incorporate digital treatment planning into their orthodontic therapy including the use of indirect bonding techniques to achieve more accurate bracket placement.

Orthodontics has been revolutionized by digital dentistry; from clear aligners to indirect bonding, from incorporating CBCT to 3D printing, digital systems are becoming the gold standard in orthodontic treatment planning. This course will go over different orthodontic digital systems including scanning solutions, indirect bonding trays, and using the digital world to treatment plan clear aligner therapy.

Course Hours = 2.0

Course Fee: \$399

Orthodontic Techniques:

SPECIAL LECTURE: Lingual Braces Treatment and Techniques

OBJECTIVE – Doctors will learn different lingual orthodontic systems and techniques and armamentarium needed for lingual bracketing systems.

Lingual orthodontic brackets have become an esthetic alternative to traditional braces. Doctors will be introduced to different lingual orthodontic systems such as Incognito, Brios and Inbrace. Lingual bracketing and special armamentarium that is needed will be reviewed.

Course Hours = 2.5

Course Fee: \$499

II

Treatment Planning Lecture Series

Treatment Planning: Class I Crowding

OBJECTIVE – Orthodontic treatment mechanics and treatment planning for Class I crowding cases will be reviewed.

This treatment planning lecture will review the fundamentals of treating Class I crowding cases, the most common dental malocclusion. Treatment decisions as to when to determine extraction or non-extraction therapy will be discussed in detail. Different Class I non-extraction treatment modalities will be discussed including the use of fixed appliances, expansion, and IPR. Extraction-based treatment will be briefly discussed.

Course Hours = 1.5

Course Fee: \$299

Treatment Planning: Class II Cases

OBJECTIVE – Different Class II correction strategies are reviewed in detail.

This in-depth course will review the multiple ways of treating Class II dental malocclusions. Strategies such as maxillary distalization, mandibular advancement, headgear therapy, and extraction strategies will be discussed. Class II camouflage treatment will also be analyzed. An overview of the many different types of fixed and removable class II correctors will be reviewed and analyzed.

Course Hours = 2.5

Course Fee: \$499

Treatment Planning: Class III Cases

OBJECTIVE – Class III dental malocclusion correction strategies as well as the limits of Class III correction will be reviewed.

While Class III malocclusions make up the minority of all dental malocclusions, correcting Class III discrepancies can be challenging. Class III camouflage treatment including IPR and extractions is discussed. Use of reverse pull headgear in younger patients will also be reviewed. The limits of Class III non-surgical treatment are emphasized and the role of growth in Class III correction is analyzed.

Course Hours = 1.5

Course Fee: \$299

Treatment Planning: Extraction Cases

OBJECTIVE – Review of different extraction patterns and anchorage strategies are discussed.

Every practitioner should anticipate using extraction-based treatment in orthodontic therapy. When the amount of dental arch crowding is too large to warrant non-extraction treatment, different extraction patterns and strategies need to be employed. This course will go over different premolar extraction patterns including Class I, II, and III extraction patterns. The extraction of first versus second premolars will also be reviewed. Non-traditional extraction patterns of other teeth will be discussed. Finally, a review of anchorage requirements will be emphasized including when and how to use minimal, moderate, or maximum anchorage.

Course Hours = 2.5

Course Fee: \$499

Treatment Planning: Deep Bite Cases

OBJECTIVE – Correcting dental deep overbite cases will be reviewed including the use of intrusion and reverse curve archwire mechanics.

Deep bites are a common type of discrepancy seen in Class I, II, or III malocclusions. This course will go over different treatment modalities in correcting deep overbites. This will include a review of intrusion arch mechanics, differential bracketing strategies, reverse curve archwires and determining whether to intrude anterior teeth, extrude posterior teeth, or employ the mechanics of both strategies.

Course Hours = 1.5

Course Fee: \$299

Treatment Planning: Anterior Open Bite Cases

OBJECTIVE – Anterior open bite correction treatment modalities will be reviewed as well as strategies to avoid open bite relapse.

Anterior open bites can be one of the most challenging malocclusions to treat as they have a high propensity to relapse. An overview of anterior open bite correction strategies is reviewed including determining the etiology of anterior open bites. Habit cessation appliances and strategies, extraction strategies, and posterior intrusion or anterior extrusion mechanics are reviewed.

Course Hours = 2.0

Course Fee: \$399

Treatment Planning: Orthodontic Elastics

OBJECTIVE – Use of orthodontic elastics and an overview of different types of elastics is reviewed.

Orthodontic elastic use is an integral part of orthodontic treatment to correct different types of malocclusion. This course will go over the different types of elastics and when to use each type of elastic. An overview of the diameter size and strength of elastics will be discussed. The course will also analyze how and when to use Class II or III elastics, triangle elastics, and box elastics.

Course Hours = 1.0

Course Fee: \$299

Treatment Planning: Expanders and Functional Appliances

OBJECTIVE – Overview of maxillary expansion appliances and functional appliance therapy.

Functional appliances, such as the use of palatal expanders and mandibular repositioning appliances, are helpful tools in manipulating growth in children and adolescents to correct skeletal malocclusions. The different types of expanders and functional appliances are reviewed and the indications and limits of each appliance will be discussed in detail.

Course Hours = 2.0

Course Fee: \$399

Treatment Planning: Mini-Implants for Anchorage

OBJECTIVE – Overview of using mini-implants or temporary anchorage devices in orthodontics.

TADs, or temporary anchorage devices, have revolutionized orthodontic treatment and have made certain unpredictable or unlikely orthodontic movements possible. The indications and contraindications of TADs are reviewed. TAD placement location will be discussed. Finally, a detailed analysis of using TADs for intrusion, molar protraction, and direct or indirect anchorage is discussed.

Course Hours = 2.0

Course Fee: \$499

III

Doctors' Hands-On Workshops

Doctors' Workshops: Hands-On Doctors' Workshops Levels I to V

OBJECTIVE – Doctors will have a hands-on experience in different orthodontic treatment strategies executed on typodont models.

These comprehensive hands-on workshops will complement the didactic lectures provided by OrthoDesigners. Doctors will have hands-on training on dental typodont models. Doctors can only progress to the next level of workshop training after passing the previous level. An overview of each level of workshop training is described below. Doctors are strongly advised to attend the 'Orthodontic Techniques' lecture series before taking a workshop.

- Level I Workshop: Bracket placement, molar banding, and bonding procedure training.
- Level II Workshop: Wire insertion, elastomeric/steel ligature insertion, colligation, and elastic chain/thread training.
- Level III Workshop: IPR strategies, use of crimp stops and stop advanced wires, and training in extraction space closure strategies.
- Level IV Workshop: Training in insertion of expansion appliances, functional appliances, and retainers.
- Level V Workshop: Orthodontic finishing, detailing, and wire bending workshop.

Course Hours = 3.0 hours each
Course Fee: \$1,279 per workshop

Doctors' Workshops: SPECIAL WORKSHOP: Clear Aligner Workshop

OBJECTIVE – Doctors will learn how to place attachments, deliver aligners, and execute orthodontic aligner therapy in this hands-on workshop.

This special hands-on workshop will train doctors on how to deliver attachments associated with clear aligner therapy. Doctors will also learn how and when to use 'chewies' for aligner seating as well as the use of buttons and precision cuts for elastic use. Participants are highly encouraged to take the special lecture on mastering clear aligners before taking this workshop.

Course Hours = 3.0 hours
Course Fee: \$1,279

Doctors' Workshops:

SPECIAL WORKSHOP: Indirect Bracket Bonding

OBJECTIVE – Doctors will learn how to deliver brackets through an indirect bonding technique.

This special hands-on workshop will train doctors on how to deliver orthodontic brackets through the use of indirect bonding trays. An overview of indirect bonding tray fabrication is discussed. Use of adhesive material and bracket/tooth preparation before IDB tray delivery is reviewed and applied on typodont models.

Course Hours = 3.0 hours

Course Fee: \$1,279

Doctors' Workshops:

SPECIAL WORKSHOP: Lingual Orthodontic Systems

OBJECTIVE – Doctors will learn how to deliver lingual brackets through indirect bonding.

This special hands-on workshop will train doctors on how to deliver lingual brackets through the use of indirect bonding trays. An overview of wire and elastometric ligature placement is discussed and applied on typodonts.

Course Hours = 3.0 hours

Course Fee: \$1,279

Doctors' Workshops:

SPECIAL WORKSHOP: Mini-Implants and TADs in Orthodontics

OBJECTIVE – Doctors will practice placing mini-implants and using them for direct or indirect anchorage on typodont models.

This special hands-on workshop will train doctors on how to place TADs or mini-implants and where to place them to avoid vital structures. Doctors will practice placing TADs on typodont models and will also train on using them for tooth movement and anchorage considerations.

Course Hours = 4.0 hours

Course Fee: \$1,879

Doctors' Workshops:

SPECIAL WORKSHOP: Scanning, 3D Solutions, and 3D Printing

OBJECTIVE – This computer-based workshop will have doctors practice intraoral scanning, digital case set-up and treatment planning, as well as creating aligners and indirect bonding trays for 3D printing.

This special computer-based hands-on workshop will train doctors on intraoral scanning and digital orthodontic case set up. Doctors will scan typodont models and will then train on using digital software to set up diagnostic models, aligner models, and indirect bonding trays for 3D printing.

Course Hours = 4.0 hours

Course Fee: \$1,879

IV

Auxiliary Staff Hands-On Workshops

Auxiliar Staff Workshops: Hands-On Auxiliary Staff Workshops Levels I to II

OBJECTIVE – Dental assistants and dental hygienists will have a hands-on experience in placing orthodontic brackets and placing and removing orthodontic wires.

These comprehensive hands-on workshops are intended for the orthodontic auxiliary staff that are vital to the workflow of an orthodontic office. This workshop is meant for dental assistants and dental hygienists. Participants will have hands-on training on dental typodont models. Participants can only progress to the next level of workshop training after passing the previous level. An overview of each level of workshop training is described below.

Level I Workshop: Bracket placement, molar banding, and bonding procedure training.

Level II Workshop: Wire insertion, elastomeric/steel ligature insertion, colligation, and elastic chain/thread training.

Course Hours = 3.0 hours each

Course Fee: \$679 per workshop