

Fernando Autrán Mateu

DIRECT ANTERIOR COMPOSITE RESTORATIONS



Direct Anterior Composite Restorations - ENG

By Dr. Fernando Autrán Mateu



SUMMARY



Topic:

Composite veneers: explore the biological rationale, innovative protocols and materials, use indications and all treatment stages



Objectives:

Understand the most innovative and recent developments in stratification protocols
Conduct a comprehensive and efficient preliminary aesthetical planning
Transform the smile analysis into a 3D design to create a digital Wax-Up and finally convert it into a digital model via 3D printing
Create both direct and indirect Mock-Up
Have a comprehensive understanding of colors: hue, chroma and value
Choose the proper color for your veneers according to enamel and dentin color
Check the occlusion and the canine guide
Execute final adjustments
Manage complex and highly challenging cases



WHY TO ENROL:

- 1- You will learn how to manage both everyday and complex restorative cases using composite veneers in a simple, minimally invasive manner, with little to no preparation and 100% reversibility.
- 2- You'll discover innovative protocols and modern, effective materials that enable you to achieve the best blending effect to seamlessly camouflage restorations with natural teeth.
- 3- You'll gain immediately implementable skills through detailed explanations of all treatment phases and presentations of various complete clinical cases.

LEVELS

Difficulty Advanced

Theory ●●●●●

Practice ●●●●●

KEY INFO



English



On Demand



Restorative Dentistry



9h



17 Video Lectures

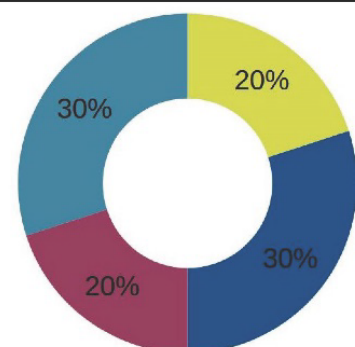


Clinical Yes



NO

SKILLS YOU WILL LEARN



■ Composites Structure and Indications

■ Veneer Color Management

■ Protocols and Materials

■ Treatment Planning



Channel Description:

Dr. Fernando Autrán and **osteocom** are delighted to welcome you to "**Direct anterior composite restorations**", a comprehensive learning experience focused on the **latest** and **most effective** restorative **protocols** and **materials**.

Composite veneers offer an **accessible tool** that, despite an initial learning curve, enables you to **transform your patients' smiles** in a **minimally invasive**, predictable, and safe manner, with **long-term maintainability** and a **100% reversibility** degree.

Dr. Autrán will guide you through a thorough exploration of **every stage** of restorative treatment. This includes **planning**, minimal **tooth preparation**, **Mock-Up** creation, silicone **guides**, composite application and **finalization**, followed by long-term **Follow-Up**.

You will learn about **cutting-edge techniques**, such as the "**Infinite Bevel Technique**" for class IV restorations, and explore advanced materials like **Omnichroma**.

This learning experience is crafted to provide you with both **practical and theoretical expertise** in **composite use** for restorative dentistry.

You will review **complete clinical cases** and address **complex scenarios** and **common complications**, including **color** challenges.

Join Dr. Autrán and **elevate your restorative practice** to the next level!

In particular, this course will focus on:

- **Anatomy** and **design** of the smile
- The **rationale** behind the use of composites
- **Direct** and **indirect composites** structure, properties and use indications
- Composite **blending effect** to camouflage the restoration
- **Treatment planning**: smile analysis and smile design
- **Adhesive** workflow
- Basics of **color study**
- **Best materials** available on the market

- **Mock-Up test** to previsualize the final outcome
- Minimally invasive **tooth preparation**
- Composites **positioning**

At the end of the course, you'll be able to:

- Understand the most **innovative** and **recent developments** in **stratification** protocols
- Conduct a comprehensive and efficient **preliminary aesthetical planning**
- Transform the **smile analysis** into a **3D design** to create a digital Wax-Up and finally convert it into a digital model via **3D printing**
- Create both **direct** and **indirect Mock-Up**
- Have a comprehensive understanding of **colors**: hue, chroma and value
- **Choose** the **proper color** for your veneers according to enamel and dentin color
- Check the **occlusion** and the **canine guide**
- Execute **final adjustments**
- Manage **complex** and **highly challenging cases**

Who is the course for?

This course is highly recommended for **restorative dentists** looking to receive a **comprehensive update** on the **latest materials** and **protocols**.

Step-by-step presentations and discussions will cover complex and **challenging clinical cases**, focusing on the precise management of **composite veneer coloration**.

You'll also learn advanced techniques for treating **class IV restorations**, **non-carious cervical lesions**, **diastemas**, **embrasure** closures, and restorations in the **posterior region**.

Ok, but how does it work?

This **9 hour** course is divided into **17 video lectures** that you can find by accessing your personal osteocom area from any device and downloading from the osteocom mobile app, available on iOS and Android.



Video Lecture 1 - Anterior composites state of the Art (40min)

Description:

This **first video lesson** aims to **introduce** participants to **the topics** that will be covered during the course.

In particular, Dr. Autrà will focus on the **definition** and **composition** of **composites**, explaining how they are **simple materials** capable of totally **changing patients' smiles** while maintaining a **100% reversibility degree** and guaranteeing aesthetically optimal results.

Restorative treatment using composites is indeed a **minimally invasive treatment** option and participants will appreciate how the key objective of this treatment is **mimicry** and **camouflage** between composite veneers and **adjacent natural teeth**.

The different **types of particles** that can make up composites will be discussed, and for each one the **characteristics**, advantages and disadvantages will be explained.

In particular, this lesson covers the following topics:

- The importance of **smile analysis** to achieve restorative success
- How to execute restorative treatments with **little or no preparation** at all
- Composites: how are they **useful**? What's the **rationale** behind their usage? Which are composite **characteristics**?
- Composite **blending effect**
- **Types of particles**: definitions, degree of resistance and ease of cleanliness
- **Micro**-particles, **hybrids**, nano-hybrids and **supra-nano spherical** particles

Video Lecture 2 - Treatment planning (27min)

Description:

Dr. Autrà will present an **overview** of today's philosophy regarding **stratification techniques**.

He will begin this discussion by talking about the preliminary phase of **aesthetic planning**, emphasizing the aspects that need to be assessed by the clinician in order to understand the **objectives** of each specific case.

All planning phases will be examined: from **smile analysis** to 3D design, via **digital wax-up** and the creation of a digital model through **3D printing**.

Finally, participants will understand the importance of performing a **Mock-Up**, both **direct** and **indirect**, as well as the advantages of using **silicone guides** for composite restorations.

In particular, this lesson covers the following topics:

- Introduction to **aesthetic planning**
- Understand and know the **natural look** of a **smile**
- The necessity to have a good **additive Wax-Up** to not have to prepare the tooth before veneers placement
- Teeth **measurement** and **dental exposure** assessment
- How to execute **direct** and **indirect Mock-Up**
- How to create the **silicon guide** for composite restorations in a very precise way
- How does the **restoration thickness** influence **tooth preparation**?

Video Lecture 3 - Smile anatomy and design (40min)

Description:

Dr. Autrà will explain how important it is to know the **anatomy of teeth** in depth by discussing **primary**, **secondary** and **tertiary** anatomical **parameters**.

In a general way, the course presenter will introduce concepts such as mesial and distal **edges**, the differences between **triangular and square** teeth, **contact points**, incisal edges and **transition lines** and even discuss tooth **texture**.

The second part of this presentation will discuss the **site-specific anatomical characteristics** of each different type of dental element from incisors to laterals, canines and premolars.

In particular, this lesson covers the following topics:

- **Translucency**, layers, **opacity**, **color** and thickness assessment
- Primary, secondary and tertiary **dental anatomy**
- **Central** superior incisors, **lateral** superior incisors, superior **canines** and superior **premolars** anatomical traits
- When to **include** and when to **not include premolars** in the smile reconstruction
- The proper **incisors positioning**
- The need to execute **phonetic texts**

Video Lecture 4 - Basics of color study (38min)

Description:

Dr. Autrà will explain to participants how it is essential to have a **complete** and thorough **understanding of colors** in order to be successful in restorative treatments with composites.

Parameters such as **hue**, **chroma** and **value** will be discussed and **VITA Classical**, a dental guide for veneer coloring, will be presented.

At the end of the lecture, participants will be able to independently manage the **choice** of the **right color** for their **veneers** in relation to **enamel** and **dentine** specific colors.

In particular, this lesson covers the following topics:

- Color **perception**
- **Additive** and **subtractive** color system
- **VITA Classical** features
- **Translucency** and **opacity** assessment
- **Fluorescence** and **opalescence** assessment

Video Lecture 5 - Adhesive treatment overview (34min)

Description:

In **this lecture** Dr. Autrà will guide participants through the viewing of a **full procedure** for a **total adhesive technique** protocol to achieve the best and safest **bonding**.

The focus will be on the adhesive workflow, which represents a **minimally invasive** and **long-term stable** operational practice.

Participants will appreciate Dr. Autrà's complete adhesive workflow **gold standard**; starting with the use of **acid**, **primer** (a hydrophilic resin), and **bonding agent** (a hydrophobic resin).

In the second part of the lesson, the speaker will show some **small variations** to the treatment that can be performed in specific cases and will discuss the differences between **bonding to dentin** and bonding to **enamel**.

In particular, this lesson covers the following topics:

- The **gold standard** for adhesive workflow
- Adhesion on **dentine** or **enamel**
- **Structure differences** between dentine and enamel
- The protocol to achieve the **best** and **safest bonding**
- **Total-edge** bonding and **self-edge** techniques
- Different types of **primers** according to **different materials**
- Photopolymerization: **DUAL technique**

Video Lecture 6 - Step-by-step stratification protocol - Part I (19min)

Description:

In **this** and the **next two video lectures**, Dr. Autrà will show a complete **stratification case**, starting from the **planning** phase and going all the way to **polishing** and **finalization** of the case.

The patient in question has a **unilateral agenesis** of the **upper lateral incisor**, which has caused a shift in the **midline** and the **movement of the canine** in position 2.2.

In particular, this lesson covers the following topics:

- **Spaces** and **volumes design** during treatment planning phase
- **Isolation** techniques
- **Digital Wax-Up** and 3D printing
- **Gingivectomy** with an electric scalpel

Video Lecture 7 - Step-by-step stratification protocol - Part II (34min)

Description:

In this lesson, the treatment of the patient from the previous lesson continues.

Specifically, this module focuses on the **placement** of the **composite** and its **removal** after the **isolation phase**, then moving on to the preparation of the **first layer** and **polymerization**.

In particular, this lesson covers the following topics:

- **Flattening of the surface** of the 2.2 element
- How to perform a very **minimal invasive** tooth **preparation**
- Consideration about the **bonding** between the **enamel** and the **tooth**
- **Dentine placement** to restore the right volume thickness
- **Interproximal contact** checking
- Positioning of the **chromatic enamel**

Video Lecture 8 - Step-by-step stratification protocol - Part III (26min)

Description:

This final video lecture on the treatment of the patient with unilateral agenesis shows the **polishing** and **finalization** phases.

Particular attention will be given to the **final adjustments** in the **palatal area**, achieving a similar **emergence profile** across all the teeth, and checking the **transition lines** and **interproximal surfaces**.

In particular, this lesson covers the following topics:

- **Polishing, finalization** and final **adjustment** phases
- **Follow-Up** and immediate fixing of little defects
- **Occlusion** and **canine guide** checking

Video Lecture 9 - Class IV restorations (28min)

Description:

Participants will appreciate the **restoration** of **Class IV cases** using **composites**.

Dr. Autrán will highlight the importance of **hiding fracture lines** and will show the innovative technique called the **"Infinite Bevel Technique"**.

In particular, this lesson covers the following topics:

- **Specific techniques** to manage class IV restorations
- How to hide **fracture lines**?
- **Dentine positioning** in relation to the bevel

- **“Infinite Bevel Technique”** rationale and execution
- **Sandblasting** a good proportion of the tooth surface
- When and how to use **interproximal strips**?

Video Lecture 10 - Colors management (15min)

Description:

Thanks to this video lesson, Dr. Autrán returns to the key topic of **color management** in **restorative cases**.

In particular, the **complete protocol** for **treating stained teeth** will be shown and discussed, and some **clinical cases** will be reviewed step-by-step, starting from simpler ones and progressing to very complex cases.

In particular, this lesson covers the following topics:

- **Colors** management
- Treatment of **stained teeth** with composites
- The use of a **bur** to remove the stain
- When to place the **chromatic enamel** and when to place the **achromatic** one?

Video Lecture 11 - How to manage complex color cases (45min)

Description:

In this video lesson, participants will observe how to manage **highly challenging cases** from the perspective of **tooth color** in patients being treated with **composite veneers**.

Dr. Autrán will demonstrate the treatment of **very unfavorable colors**, where achieving **blending** and **camouflage** with the adjacent teeth is particularly difficult.

In particular, this lesson covers the following topics:

- Preparation and **color analysis**
- The necessity to **mimicry the color** of the neighboring teeth
- **Translucent enamel** positioning
- **Color value** assessment

Video Lecture 12 - Very unfavorable color situations (20min)

Description:

The management of **complex cases** from a **color perspective** continues in this video lesson, where Dr. Autrà will show the treatment of **tetracycline teeth discoloration** using composites.

In particular, this lesson covers the following topics:

- Very **unfavorable color situations**
- **Minimally additive** Wax-Up
- **Camouflage** of the color

Video Lecture 13 - Diastema and closure of embrasures (35min)

Description:

This presentation is dedicated to the treatment of **diastemas** and the **closure of embrasures**.

Dr. Autrà will demonstrate **tooth preparation** through **sandblasting** and the creation of **new transition lines**.

Participants will understand how **proportions** and **aesthetics** are truly key factors in the treatment of diastemas and embrasures.

In particular, this lesson covers the following topics:

- Treatment of **diastemas** on the **midline**
- **Tooth preparation** through sandblasting
- Creation of **new transition lines** and correct palatal **emergence profiles**
- When to do and when not to do **full veneers** to treat a diastema

Video Lecture 14 - Total restoration with direct composites (20min)

Description:

In this video lesson, Dr. Autrà will demonstrate to participants the **complete restoration** with **direct composites**.

The methods to **increase** the **vertical dimension** and to create a **new occlusal plane**, as well as the **reconstruction** of **cusps**, will be discussed.

In particular, this lesson covers the following topics:

- Anatomical **Wax-Up**
- Creation of a **new occlusal plane**

- Restoration of the **posterior area** with direct composites
- **Cuspids** reconstruction

Video Lecture 15 - Clinical cases: from simple to very complex ones (1h 11min)

Description:

This lecture is dedicated to the **presentation** and **discussion** of various **clinical cases** that will exemplify **all the possibilities** available to the clinician when working with **composites**.

Topics will include **treatment planning**, minimally invasive **tooth preparation**, and the possibility of performing **combined treatments** (for example, with preliminary orthodontic treatment) as well as **multidisciplinary treatments** finished with composite veneers to achieve the best possible **aesthetic outcome**.

In particular, this lesson covers the following topics:

- **Tooth preparation** before whitening
- **Orthodontic treatments** before composite veneers
- **When is it necessary** to perform an orthodontic treatment before restorative dentistry?
- **Combined** and **multidisciplinary** treatments

Video Lecture 16 - A special composite: Omnichroma overview (32min)

Description:

This lecture is dedicated to the presentation of **Omnichroma**, an **innovative composite** that ensures the **best blending effect** among all composites available on the market.

Participants will receive a **complete overview** of this product and will learn about its **advantages** and **indications** for use.

In particular, this lesson covers the following topics:

- Omnichroma **blending effect** to **camouflage** the restoration
- **Composition** of Omnichroma **resin**
- **Filler particles** of Omnichroma
- Omnichroma **use indications**

- When to use the Omnichroma **blocker**
- Omnichroma **polishing degree**

Video Lecture 17 - Practice on model: the use of Omnichroma (50min)

Description:

This learning experience concludes with the presentation of a **hands-on** exercise on a **model**, through which Dr. Autrà will demonstrate and discuss the **restoration** of **Class IV** cavities, **posterior teeth**, and **non-carious cervical lesions** using **Omnichroma** composite.

In particular, this lesson covers the following topics:

- **Step-by-step procedure** on a model to see how to use Omnichroma composite



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course



Author's Bio:

Dr. Fernando Autrán Mateu has a private practice in Aesthetics and Cosmetic Dentistry at the Autrán Dental Clinic of which he is also a founding partner and is the Director of the Autrán Dental Academy. He specialized in Restorative and Conservative Dentistry and his extensive curriculum includes participation as a lecturer in different national and international congresses.

