Arthur R. Volker, DDS, MSc, MSEd

- Diplomate, World Congress of Minimally Invasive Dentistry
- Fellow, American College of Dentists
- Fellow, Academy of General Dentistry

Full / Half-Day and Hands-On Programs:

Minimal Intervention, Maximal Outcomes:

The use of minimally-invasive dentistry to maximize esthetic and functional outcomes

Ceramic Restorations From Start to Finish:

Making Predictable Happen

POWERlooking: Strengthening the Dental Eye

A guide to assessing esthetic smiles

Modern Anterior Composite Techniques

In-Office Digital Dentistry: Disrupting the Status Quo?

Rise of a Cottage Industry

About Dr. Volker

Dr. Volker graduated from the Columbia University School of Dental and Oral Surgery. He is the Chairman of the New Dentist Committee and a member of the Continuing Education Committee for the New York State Academy of General Dentistry. He was a clinical attending at the Coler-Goldwater Specialty Hospital and Nursing Facility on Roosevelt Island, and is in private practice in New York. Dr. Volker has published articles and lectures on various topics, including cosmetic dentistry, minimally invasive dentistry, dental materials, and dental implants.

Dr. Volker is a Key Opinion Leader for several dental manufacturers, and has been involved in the testing and development of dental products and materials. He has also served as a consultant to dental laboratories. Additionally, Dr. Volker is involved in dental materials research, particularly in the field of ceramics and dental implants.

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Minimal Intervention, Maximal Outcomes:
The use of minimally-invasive dentistry to maximize esthetic and functional outcomes

Introduction

"Minimally-invasive dentistry" is a hot topic in dentistry. It's very easy to talk about taking away less tooth structure, but it is more difficult to apply this concept to achieve predictable esthetic and functional results. This course aims to give clinicians the tools needed to successfully and immediately expand the use of minimally-invasive dentistry in daily practice.

Course Objectives

- Understand and apply principles of smile design and analysis of proportions
- Gain familiarity with several minimally-invasive direct and indirect restorative treatments, techniques and materials
- Learn how to best utilize transitional composite restorations
- Understand and implement marginal refinement techniques for indirect restorations
- Gain familiarity with orthodontic options, including treatment for periodontally compromised patients
- Understand how to apply the protocol of combining orthodontics and restorative modalities for esthetic improvement while minimizing tooth reduction

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Ceramic Restorations From Start to Finish:
Making Predictable Happen

Introduction

The world of dental ceramics can be difficult to navigate. This course aims to explain the proper selection criteria and usage of ceramic materials and ancillary components. Attendees will participate in a hands-on preparation, impression, fabrication and cementation of an indirect ceramic restoration. Additionally, effective communication with the dental laboratory to predictably ensure a desired result will be discussed.

Course Outline

- Material Selection – rationale and scientific evidence
- Retraction & Hemostatsis—techniques and materials
- Preparation & Impression—techniques and guidelines
- Communication with the laboratory – what information is needed for predictability
- Treatment of intaglio – techniques and materials
- Bonding / Cementation – techniques and materials

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POWERlooking: Strengthening the Dental Eye

A guide to assessing esthetic smiles

Introduction

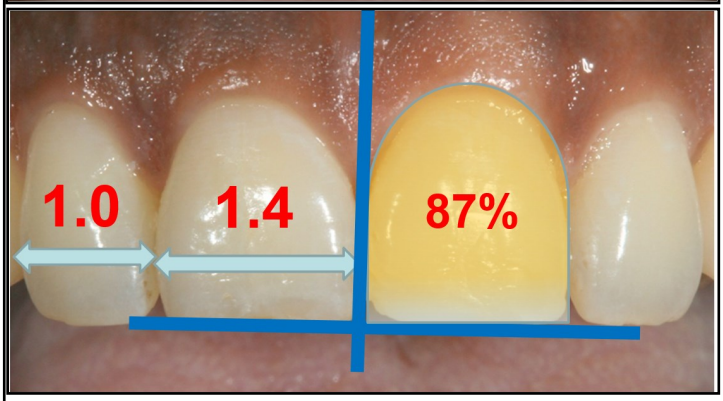
You need to understand what an esthetic smile is before you can create one.

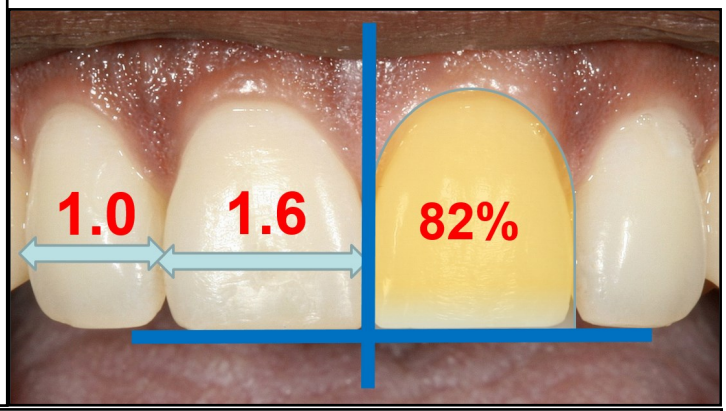
There are a number of variables that must be mastered and implemented in order to achieve an esthetic result . This course will provide attendees with the foundation necessary to objectively evaluate dental esthetics and immediately apply these principles to daily practice.

Course Objectives

Course attendees will learn to:

- Apply principles of smile design and analysis of proportions
- Integrate mathematical algorithms of dental esthetics to smile design
- Understand the impact of shape and texture on tooth form
- Utilize hue, value and chroma to determine color for anterior restorations
- Understand the components of the polychromatic incisal edge
- Effectively communicate desired outcomes to the patient and laboratory
- Correct the “non-esthetic” smile





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Modern Anterior Composite Techniques

Making Predictable Happen

Introduction

There are a plethora of composite materials and matrices available on the market. This course aims to give the practitioner insight into some of the modern techniques available today to make modern direct composite simple and predictable.

Course Objectives

Course attendees will learn to:

- Apply principles of smile design and analysis of proportions
- Integrate mathematical algorithms of dental esthetics to smile design
- Discuss composite options as well as determinants for matrix selection
- Systematize preparation protocols such as isolation and particle abrasion for carious and non-carious restorations
- Understand the methodologies available for direct composite including layering and injection molding
- Discuss polishing techniques

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In-Office Digital Dentistry: Disrupting the Status Quo?

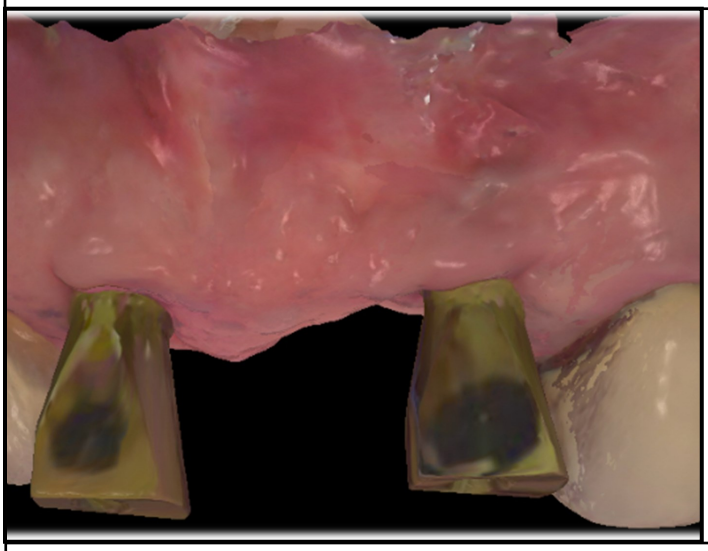
Rise of a Cottage Industry

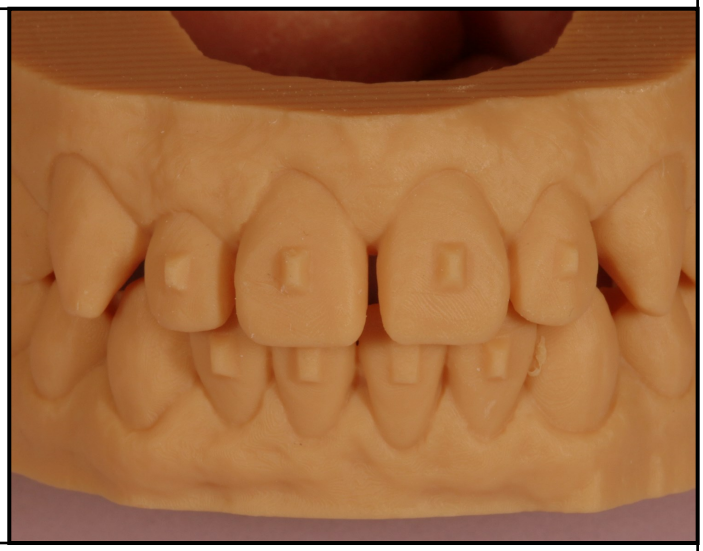
Introduction

The advent of digital dentistry has irreversibly changed the workflow of patient care. From intra-oral scanning to 3D printing to CAD / CAM milling, technology has opened new avenues for the accuracy and timeliness of treatment outcomes. This course will provide attendees with an introduction to the tenable results that digital workflows can offer, as well as an insight to an emerging relationship between provider and laboratory.

Course Outline

- CAD / CAM restorative materials
- Printed vs milled restorations
- Integrating digital workflows from material selection to delivery
- Available and developing treatment modalities
- The development of single provider CAD/CAM in-office laboratories





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Face Forward: Matrixing Strategies

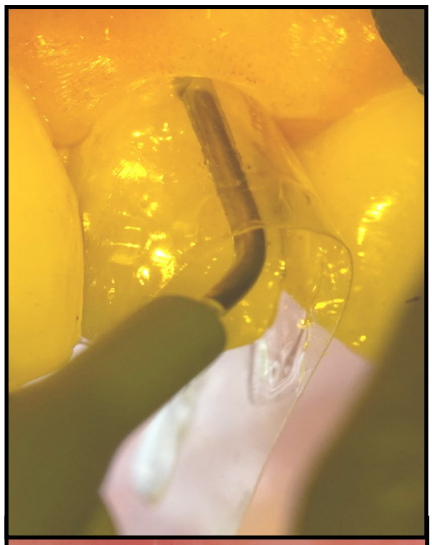
Simplifying Facial and Buccal Composite Restorations

Introduction

The purpose of a matrix is to function as a shape-former and facilitate the placement of materials such as amalgam or composite resin. Many options are available in terms of material selection and scope; this course will discuss various matrixing options as applied to anterior or facial composite restorations. Metal and plastic matrices will be discussed, specifically, as well as sectional and “full-contour” ones.

Course Outline

- Discuss composite material options
- Gain familiarity with esthetic criteria
- Understand the advantages of using heated composite
- Employ strategies for the use of metal Sectional and Full-Contour Matrices
- Employ strategies for the use of plastic Sectional and Full-Contour Matrices



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Further Information on Dr. Volker

RECENT PUBLICATIONS

- **VOLKER AR, DEVOTO W, PUTIGNANO A, KOKEN, S. SIMPLIFIED PROTOCOL FOR CREATING SYMMETRY AND ANATOMY IN DIRECT COMPOSITE VENEERS. *THE GP*. IN PRINT.**
- **VOLKER AR, ABDELHADY S, TANGABETANI C. SHOW YOUR WORK: FULL CONTOUR VENEERS AND A FANTASTIC HYGIENIST. *DENTALTOWN MAGAZINE*. MAY 2024: 18-21.**
- **ABELSON D, VOLKER AR. A TECHNIQUE FOR THE MANAGEMENT OF DEEP AND SUBGINGIVAL CARIES USING A BIOCLEAR EVOLVE MATRIX. *THE GP.* SPRING 2024: GP 13-14.**
- **VOLKER AR, ABDELHADY S, ZAHRAN N. STRIKE UP THE BAND: HOW TO USE A MODIFIED MATRIX BAND WHEN CREATING DIRECT COMPOSITE ANTERIOR VENEERS. *DENTALTOWN MAGAZINE*. OCTOBER 2023: 45-49.**
- **VOLKER AR. LIPPE M. CHAPTER 5.5: THE SURGICAL MICROSCOPE FOR DIAGNOSIS AND TREATMENT OF CARIES. *MINIMALLY INVASIVE DENTISTRY, 1ST EDITION*. JAY-PEE, 2020.**

RECENT AND UPCOMING PRESENTATIONS

- Bibodent Meeting, Cairo, Egypt
- Greater New York Dental Meeting
- ADA National Meeting
- Success Stairs, Warsaw, Poland
- RIPE Conference, Dubrovnik, Croatia
- Atlantic AGD, Moncton, Canada
- AACD National meeting
- New York University—Aesthetic Symposium

RELATED POSITIONS

Vice-President, New York State Academy of General Dentistry

Vice-Chairman, Graduate Medical Education Committee, Coler-Goldwater Specialty Hospital and Nursing Facility

Faculty, DentalCEtoday.com, Dentistry Today Magazine

Board Member, Clinical Education Committee, Center for Excellence in Dentistry,

Chairman, New Dentist Committee, New York State Academy of General Dentistry

Area Vice-President, Queens, NY, New York State Academy of General Dentistry

Clinical Attending, Coler-Goldwater Specialty Hospital and Nursing Facility

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