A SYSTEMATIC APPROACH TO FIXED PROSTHODONTICS:
FROM SMILE DESIGN TO DELIVERY OF FINAL RESTORATIONS

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Similar to many other areas of dentistry, fixed prosthodontics has evolved significantly over the past few decades. Advancements in science of dental materials, and availability of digital technologies for design and manufacturing of the restorations together, have taken the field of fixed prosthodontics to new levels of accuracy and predictability. Today’s restorative dentist has access to a vast array of tools and methods from more traditional work flows for simple and complicated dental reconstructions to newer digital smile design methods, and accurate and reliable CAD/CAM and 3D printing technologies. Advancements in dental ceramics in terms of manufacturing and clinical performance have also helped today’s dentist to provide a wide range of restorative services for their patients. More importantly, these treatments can be provided to patients with a much better predictability. It is the golden time of restorative dentistry.

Different fixed restorative options are available today including: Ceramic inlay and onlay, Porcelain veneer, full-coverage crown and bridge, and resin-bonded bridge (Maryland Bridge). These treatment modalities offer our patients reliable options to replace missing tooth structures, and improve the colour, shape and alignment of their teeth. However, it is essential for a successful treatment to follow an appropriate case selection and to implement specific clinical protocols. Clinicians need to master how to properly treat plan and execute design, tooth preparation, impression, temporization and cementation to achieve expected outcomes.

The focus of this hands-on program is to provide general dentists with key factors in achieving predictable aesthetic and functional outcomes with different types of fixed prosthesis on natural teeth. In the didactic section of this full day course, a comprehensive review of prosthodontic treatment planning as well as indications and contraindications for different types of ceramic restorations will be provided. A systematic approach to smile design, tooth preparation, impression, temporization and cementation will be discussed. Participants will be introduced to techniques that can help them be more efficient and successful in their practices. The hands-on component will focus on preparation, impression and temporization of toothponts, and introduction to digital technology including intra oral scanners, and smile design software.

EDUCATIONAL OBJECTIVES

- Review of principles of restoration for endodontically treated teeth
- Review of indications and contraindications for different ceramic restorations: inlay, onlay, porcelain veneers, full-coverage crown and bridge, and resin-bonded bridge (Maryland Bridge)
- Introduction to smile design: concepts of facially-generated smile design and digital software approach
- Review of appropriate treatment planning for different fixed restorations
- Review clinical protocols for tooth preparation, impression, temporization and cementation: inlay, onlay, porcelain veneers, full-coverage crown and bridge, and resin-bonded bridge (Maryland Bridge)
- Review of dental materials: a simple approach to choosing restorative materials
- Hands on practice with: intra-oral scanning, digital smile design, preparation of matrix, tooth preparation, and temporization

CLINICIAN

NARIMAN AMIRI, DMD, MHI, CERTIFICATE IN PROSTHODONTICS, FRCD(C) is a graduate of the University of British Columbia in dentistry and is a board certified specialist in Prosthodontics from the University of Iowa. Dr. Amiri is in full-time private practice in Vancouver and North Vancouver. His practice is focused on Prosthodontics and Implant dentistry. Dr. Amiri also teaches at the department of prosthodontics at UBC as a part-time clinical professor.

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