



**HARVARD**  
School of Dental Medicine

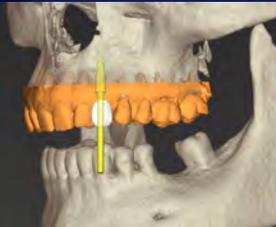
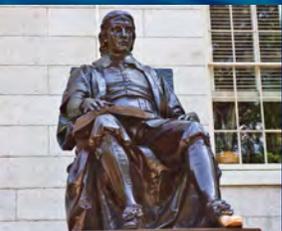
RESTORATIVE DENTISTRY & BIOMATERIALS SCIENCES

# Digital Implant Planning and Guided Surgery

**September 5 – 6, 2019**

8:00 am – 5:30 pm

Boston, Massachusetts



Digital dental implant technology is evolving rapidly. You can be on the cutting edge of these advances by attending an intensive two-day workshop presented by the Department of Restorative Dentistry and Biomaterial Sciences at the Harvard School of Dental Medicine.

This innovative and forward-thinking continuing education course focuses on digital workflow in implant dentistry and features live patient surgeries and hands-on sessions. Attendees will be given the opportunity to develop a treatment plan and implement patient treatment from start to finish entirely with digital technology. The hands-on sessions will be complemented by lectures and workshops.

Attendees will be immersed in new technologies, including digital data acquisition, comprehensive virtual implant treatment planning, and digital designing of surgical guides. CAD/CAM guided surgery, digital restorative approaches, and CAD/CAM restoration manufacturing will be highlighted.

In this course you will learn the skills and expertise necessary to implement the new technologies into your clinical practice. As an added benefit, the workshop is located in Boston, a world renowned medical and educational destination steeped in history, culture, and the arts.



# HARVARD School of Dental Medicine

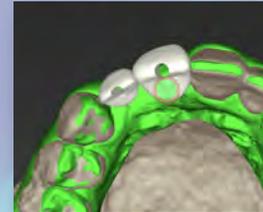
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### Course Objectives

- To be able to recognize the indications & clinical applications of virtual implant planning and guided implant surgery
- To be familiar with the process and requirements for comprehensive virtual implant planning
- To understand the various types of CAD/CAM guided implant surgery and indications for each
- To identify and visualize the digital workflow and techniques seen in the live patient demonstrations
- To be able to perform a hands-on clinical scenario of virtual implant treatment planning, surgical guide design and guided implant surgery
- To be able to appreciate the challenges of guided implant surgery and implement strategies to overcome them

### Course Instructors

#### Dr. German Gallucci



Raymond J. and Elva Pomfret Nagle Associate Professor of Restorative Dentistry and Biomaterials Sciences and Chair of the Department of Restorative Dentistry and Biomaterials Sciences

#### Dr Adam Hamilton



Director of the Division of Regenerative and Implant Sciences, Department of Restorative Dentistry and Biomaterials Sciences

#### Dr Bernard Friedland



Assistant Professor of Oral Medicine, Infection, and Immunity and Clinical Associate in HSDM Clinic

#### Dr Sang Jin Lee



Assistant Professor of Restorative Dentistry and Biomaterial Sciences Director of Advanced Graduate Prosthodontics

#### Dr Dominique Rousson



Instructor in Restorative Dentistry and Biomaterials Sciences

### For more information, contact:

Linda Bisconti  
[Linda\\_Bisconti@hsdm.harvard.edu](mailto:Linda_Bisconti@hsdm.harvard.edu)

**Registration Fee**  
\$2500

[Click Here to Register](#)

### Refund Policy

Written cancellation must be sent to course contact by August 1st, 2019 and must include participant's email address. Acceptable cancellation requests will receive an email confirming cancellation has been approved. An administrative fee of \$500 will be deducted from tuition. Participant will receive a \$2,250 refund.

### 11 CE Credits

The Harvard School of Dental Medicine is an ADA CERP Recognized Provider.

ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry.

The Harvard School of Dental Medicine designates this activity for 11 continuing education credits.

**ADA CERP**® | Continuing Education Recognition Program

### Harvard School of Dental Medicine

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617-432-1488  
[hsdm.harvard.edu](http://hsdm.harvard.edu)



# Digital Implant Planning and Guided Surgery

## Course Program

### Day 1 - September 5th

8:00am - Breakfast

8:45am - Welcome and Introduction

9:00am - Lecture - Current Trends in Digital Implant Technology and Digital Workflow in Implant Dentistry - *Dr. German Gallucci*

This lecture will delve into the most recent advances in digital technologies related to implant dentistry and their impact on clinical practice. It will outline the differences between conventional and digital workflows in implant prosthodontics including benefits, challenges, indications and limitations of each technique. This lecture will enable you to visualize the applications of the digital technology which will be taught throughout the course, and to identify the stages in the implant treatment workflow which can be streamlined with digital means.

10:00am - Coffee Break

10:30am - Lecture - Advances in Virtual Planning and Surgical Guide Design - *Dr. Adam Hamilton*

The focus of this presentation will be on the digital data requirements and acquisition methods for treatment planning cases with varying levels of complexity, including the process of merging and preparing of the raw digital data to become clinically useful. The digital treatment planning process and digital designing of a surgical guide will be illustrated with a discussion on the cutting edge features and advancements in virtual planning and guided implant surgery.

12:00pm - Lunch

1:30pm - Hands On Workshop - Digital Data Acquisition - *Dr. Adam Hamilton & Bernard Friedland*

Course participants will have the opportunity to gain hands on experience with various intra-oral and extra-oral digital data acquisition methods. The various forms of digital data will be collated and combined into the treatment planning software. The participants will develop their skills for handling of digital data in order to prepare the data provided for the clinical scenario into a form which is ready for digital treatment planning.

3:30pm - Coffee Break

4:00pm - Hands on Workshop - Digital Implant Planning and Surgical Guide Design - *Dr. German Gallucci*

In this hands on session participants will perform virtual implant treatment planning for the live surgery scheduled the following day. This will allow for the development of critical treatment planning skills with three dimensional visualization of the proposed implant number and positions based on the planned restorative design and tooth positions. Participants will also have the opportunity to design their own surgical guides, which will be printed for use in the hands on guided surgery workshop.

5:00pm - Course Evaluation and Discussion

5:30pm - End Day 1





# Digital Implant Planning and Guided Surgery

## Course Program

### Day 2 - September 6th

**8:00am** - Breakfast

**9:00am** - Lecture - Simplifying Implant Surgery with Digital Technology - *Dr. Sang Lee*

This lecture will discuss the real life aspects of guided implant surgery and will answer the question “is it really as easy as it looks?”. Digital technology can be a powerful tool in implant dentistry, however simple errors can be made during the transition from the digital realm to the real world. The key elements to successful guided surgery will be presented together with the common mistakes made with guided implant surgery and how to avoid them, to ensure a smooth implementation of digital technology into a new or established implant practice.

**10:00am** - Coffee Break

**10:30am** - Hands on Workshop - Guided Implant Surgery - *Dr. Adam Hamilton*

This workshop will focus on all of the surgical aspects of digital guided implant surgery. The participants will become familiar with the guided implant surgical kit and associated instrumentation, and gain hands on experience with guided implant surgery.

**12:00pm** - Lunch

**1:30pm** - Live Surgery - Guided Surgical Implant Placement - *Dr. Dominique Rousson*

In this live surgery the use of digital planned guided surgery for multiple dental implant placement in an advanced-complex clinical situation will be displayed. This will allow participants to visualize the workflow and benefits discussed in the lectures and hands on workshops in a real live clinical setting.

**3:30pm** - Coffee Break

**4:00pm** - Case Panel Discussion

*Dr. German Gallucci, Dr. Dominique Rousson, Dr. Adam Hamilton, Dr. Bernard Friedland*

This interactive case discussion will feature digital implant treatment cases presented by the course faculty and discussed as a group.

**5:00pm** - Course Evaluation and Discussion

**5:10pm** - Break

**6:30pm** - Closing Dinner at the Harvard Faculty Club

Continuing education credits from Harvard School of Dental Medicine will be issued by the Division of Continuing and Professional Education followed by a 3 course dinner at the prestigious Harvard Faculty Club.

