DIGITAL TECHNOLOGY in FACIAL PROSTHETICS WORKSHOP

June 5-7
2020

Institute for Reconstructive Sciences in Medicine
Edmonton, Alberta Canada
Hosted by:
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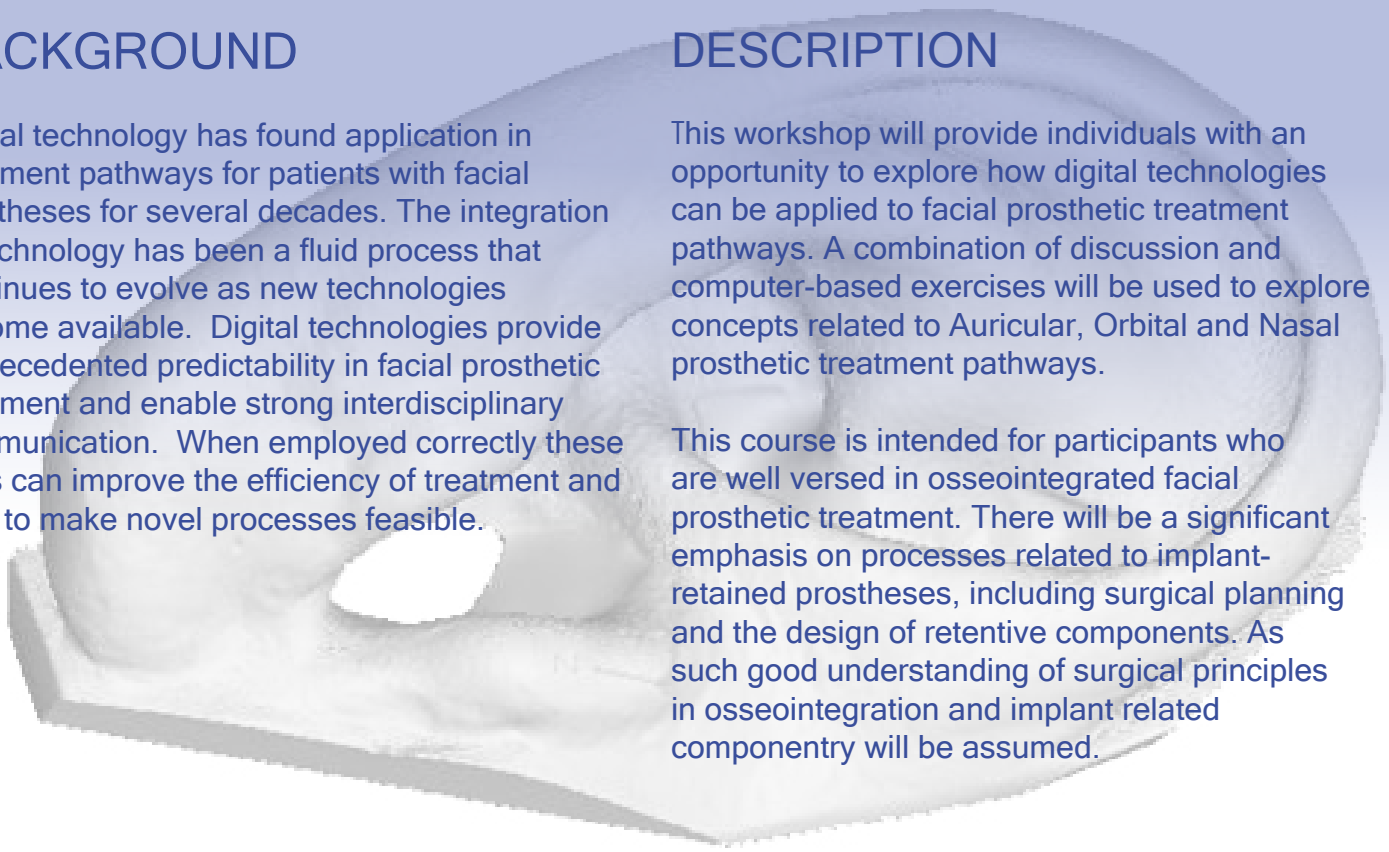
Limited enrollment: 4 spots available



BACKGROUND

Digital technology has found application in treatment pathways for patients with facial prostheses for several decades. The integration of technology has been a fluid process that continues to evolve as new technologies become available. Digital technologies provide unprecedented predictability in facial prosthetic treatment and enable strong interdisciplinary communication. When employed correctly these tools can improve the efficiency of treatment and help to make novel processes feasible.

DESCRIPTION

This workshop will provide individuals with an opportunity to explore how digital technologies can be applied to facial prosthetic treatment pathways. A combination of discussion and computer-based exercises will be used to explore concepts related to Auricular, Orbital and Nasal prosthetic treatment pathways.

This course is intended for participants who are well versed in osseointegrated facial prosthetic treatment. There will be a significant emphasis on processes related to implant-retained prostheses, including surgical planning and the design of retentive components. As such good understanding of surgical principles in osseointegration and implant related componentry will be assumed.

RSM Institute for Reconstructive Sciences in Medicine

Alberta Health Services | Covenant Health | University of Alberta

$1350 USD

Includes:
Lectures
Digital exercises
Daily lunch
AM and PM coffee breaks
Course manual
& Workshop dinner!

SCHEDULE

Day 1: Surgical Planning
- Course overview
- Working with CT scans
- Working with surface scans
- File setup for surgical planning
- Implant placement planning
- Computer generated implant guide design
- Soft tissue reduction guide design
- Anatomical reference models

Day 2: Prosthetic Design
- Prosthesis prototype design
- Custom impression tray design
- Bar and clip retention system design
- Patient-specific abutment design

Day 3: Implementation Considerations
- Working in a hybrid workflow
- Digital colour technology
- Types of digital manufacture
- Regulatory and material considerations

OBJECTIVES

• Explore digital technology workflows in anaplastology from imaging to final application including data acquisition, digital modelling and digital manufacturing.

• Practice principles of design and how to evaluate whether a particular software program is capable of performing a desired function rather than teaching proficiency in any particular software.

• Investigate how to convert physical objects to digital models and vice versa allowing for a hybrid treatment pathway.

• Integrate advanced digital technology into clinical workflows while maintaining a high standard of care.

• Appreciate material and regulatory considerations associated with the use of these technologies in medical applications.

To register or for additional information please contact:

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http://www.irsmyeg.ca/

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