Dental Implant Continuum: Surgical Program

Receive hands-on training from the masters of dental implants, including Carl E. Misch, DDS, MDS, Ph.D. (h.c.).

SESSION 1
January 13–14, 2017

SESSION 2
February 10–11, 2017

SESSION 3
April 21–22, 2017

SESSION 4
June 2–3, 2017

LOCATION:
Delta Toronto East
2035 Kennedy Road, Scarborough, ON M1T 3G2

Clinical dentistry and images by Paresh B. Patel, DDS
About Carl E. Misch, DDS, MDS, Ph.D. (h.c.)

Dr. Carl Misch is a clinical professor in the department of periodontology and oral implantology, and past co-director of oral implantology, at Temple University Kornberg School of Dentistry. He served on the board of trustees at the University of Detroit Mercy School of Dentistry, where he is also an adjunct professor in the department of prosthodontics. Dr. Misch is adjunct professor at the University of Michigan School of Dentistry in the department of periodontics/geriatrics and at the University of Alabama at Birmingham School of Engineering in the department of biomechanics. He is currently co-chairman of the board of directors for the International Congress of Oral Implantologists (ICOI), which is the world's largest implant organization and has more than 90 countries represented. Dr. Misch holds diplomate status and served as board president of the examining committee in the American Board of Oral Implantology/Implant Dentistry.

Dr. Misch graduated magna cum laude from the University of Detroit School of Dentistry in 1973, and went on to receive his certificate in prosthodontics, certificate in implantology, and master's degree in dental science from the University of Pittsburgh. Yeditepe University in Istanbul, Turkey, and Carol Davila University of Medicine and Pharmacy in Bucharest, Romania, each awarded him a Ph.D. (honoris causa). He holds several other postgraduate honors, including 12 fellowships in dentistry from the American College of Dentists, International College of Dentists, The Royal Society of Medicine, American Association of Hospital Dentists, and Academy of Dentistry International.

From 1989 to 1996, Dr. Misch was director of the Oral Implantology Residency Program at the University of Pittsburgh School of Dental Medicine. He maintained a private practice restricted to implant surgery (bone grafting and implant placement) and related prosthetics for more than 30 years, and he has served as president of several implant organizations, including the ICOI, American Academy of Implant Dentistry, Academy of Implants and Transplants, and the American College of Oral Implantologists.

Dr. Misch founded the Misch International Implant Institute™, a one-year continuum for implant education. Over the years, the Institute has been present in Brazil, Canada, France, Italy, Japan, Korea, Monaco, Spain and the United Kingdom. He has trained more than 5,500 doctors in a hands-on, yearly forum of education in implant dentistry. Programs are offered in both the surgical and prosthetic aspects of care. Dr. Misch has more than 10 patents related to implant dentistry.

He has authored three editions of “Contemporary Implant Dentistry,” which has become the most popular textbook in the field of implantology. The book has been translated into nine languages, including Japanese, Spanish, Portuguese, Turkish, Italian and Korean. He has also authored two editions of “Dental Implant Prosthetics” and published over 250 articles. Dr. Misch has repeatedly lectured in every state in the United States, as well as in 47 countries throughout the world.

Mission Statement

The Misch International Implant Institute™ was developed in 1984 to help set and elevate the standard of care in implant dentistry using a hands-on approach. Now world-renowned, the Institute strives to remain at the forefront of implant dentistry through research, education and its unique clinical applications. Using these tools and a well-trained faculty, the Institute is able to provide its students with the most progressive and documented information.
Meet the Faculty

**Don Anderson, DMD**

Dr. Don Anderson received his DMD degree from The University of British Columbia in 1974. He was a chairman of the university’s professional review, consent disposition, and court of inquiry committees. Dr. Anderson is currently president of both the College of Dental Surgeons of British Columbia and the Western District of the American Academy of Implant Dentistry. For the last six years, he has maintained a practice limited to implant dentistry in Burnaby. Dr. Anderson mentors study clubs on surgical and prosthetic aspects of implant dentistry.

**Allen Aptekar, DMD**

Dr. Allen Aptekar received his DMD degree from the University of Saskatchewan College of Dentistry. He went on to complete a hospital residency with a special focus on emergency dentistry and oral surgery at Sunnybrook Health Sciences Centre. Dr. Aptekar has authored and co-authored several articles in refereed dental journals. He is also the editor-in-chief of “Spectrum Implants,” which is the only peer-reviewed dental implant journal in Canada. Dr. Aptekar is a fellow of the American Academy of Implant Dentistry and holds diplomate status with the American Board of Oral Implantology and the International Congress of Oral Implantology. He is actively involved in the advancement of implant dentistry and practices in the greater Toronto area.

**Lion Berzin, BDS**

Dr. Lion Berzin graduated from the University of the Witwatersrand in Johannesburg, South Africa, in 1996. In 1998, he immigrated to Toronto, Canada, where continues to maintain a dental practice focused on advanced reconstructive implant dentistry. He is director of the Toronto East Implant Continuum and is president of the Central District of the American Academy of Implant Dentistry. He holds diplomate status and serves on the board of the American Board of Oral Implantology/Implant Dentistry. Furthermore, Dr. Berzin is also a diplomate of the International Congress of Oral Implantologists.

**Normand Roy, DDS**

Dr. Normand Roy graduated from the University of Montreal in 1970. He went on to become founding vice president of the Canadian Society of Oral Implantology. Since 1992, Dr. Roy has been a faculty member of the Canadian arm of the Misch International Implant Institute. He is also a faculty member at the Institut Canadien d’Implantologie and an associate professor at Temple University. Currently, Dr. Roy limits his practice to dental implant therapy and the treatment of myofascial pain and TMJ problems. He is a diplomate of both the International Congress of Oral Implantology and the Academy of Osseointegration.

**Natalie Wong, DDS**

Dr. Natalie Wong earned her DDS from the University of Toronto in 1996 and received her certificate in prosthodontics from the University of Michigan in 2007. She is the only dentist who has obtained the combination of board certification in prosthodontics and implant dentistry in the U.S. as well as board certification in prosthodontics and implant dentistry in Canada. Dr. Wong is founder and director of the Toronto Implant Institute, has served as co-director and clinical instructor at the University of Toronto, Implant Prosthodontic Unit, and lectures on implant dentistry around the world. She maintains a private practice in Toronto, while remaining heavily involved in several dental organizations, including the AAID and ABOI.
Surgical Program Session 1:
Patient Evaluation and Treatment Planning

COURSE TOPICS
- Rationale for implants
- Patient evaluation and treatment planning
- Fifty criteria that influence implant-supported protheses
- Implant quality of health scale
- Available bone volume
- Biomechanical stress
- Implant number and size
- Radiographic interpretation
- Surgical techniques and templates related to CT scanners
- Treatment planning mandibular overdentures
- Single-tooth treatment options
- Pre-implant prosthetics
- Replacement of a single posterior tooth

COURSE OBJECTIVES
- Recognize and explain the impact of complete and partial edentulism as a national health problem.
- Understand the history of dental implants, recognize the pioneering efforts, and understand the current and future status of implant dentistry.
- Classify and define the different types and modalities of dental implants.
- Classify and define different prosthetic options for implant dentistry.
- Explain the anatomical maxillary and mandibular considerations and limitations in relation to implant placement.
- Recognize diagnostic imaging procedures for the assessment of available bone quantity and quality.
- Understand the biological basis of interactions between dental implants and host tissues.
- Assess implant quality of health and other matters to obtain and maintain health of soft and hard tissues.
- Recognize and identify local conditions that may influence surgical and/or prosthetic implant treatment.
- Recognize and properly perform referral procedures to medical and dental specialists, when indicated.
- Complete sequential surgical treatment planning for implant treatment, including alternative treatments.
- Treatment theorem including: prosthetic options, stress theorem, available bone density, implant design, key implant position and implant size.
- Describe a protocol for patient preparation (dental, medical, psychological and financial) prior to placement of implants.
- Properly perform surgical placement procedures, manage related complications, and recognize situations that mandate referral for posterior single tooth surgery.
- Understand and apply principles for proper hard- and soft-tissue surgery, such as but not limited to: incision design, flap preparation, osteotomy preparation, controlled pressure and heat generation, implant placement, and suturing for posterior single tooth surgery.
- Establish an organized approach to implant placement techniques and select the appropriate surgical technique and materials in relationship to the bony topography.
- Describe and prepare surgical procedures with awareness of anatomic landmarks and possible short- and long-term complications for posterior implant surgery.
Surgical Program Session 2: 
Root-Form Surgery in Division A Bone

COURSE TOPICS
• Radiographic interpretation and treatment plans for the posterior mandible
• Root-form surgery
• Suturing
• Methods to treat Division A bone
• Anterior mandible anatomy
• Division A root-form design
• Bone density-related surgery
• Short- and long-term complications
• Radiographic interpretation and treatment plans for Division A bone
• Screw-retained overdentures
• Pharmacology

COURSE OBJECTIVES
• Understand the surgical treatment plan options for abundant bone (Division A).
• Appreciate and describe the components involved in implant body design, including the crest module, implant body and apical criteria.
• Understand and apply principles for soft tissue incision, reflection and suturing in conjunction with root-form placement.
• Compare the surgical approach for ideal bone and the Brånemark approach to conditions of very hard or very soft bone.
• Reduce the consequences of pressure and heat generation during implant osteotomy procedures.
• Increase surgical success rates in implant surgery in conditions of very hard or very soft bone.
• Understand the diagnosis and treatment options of altered nerve sensation related to implant surgery in the posterior mandible.
• Describe the surgical anatomy of the posterior mandible, with emphasis on the “safe zone” for endosteal implants.
• Perform surgical uncovery of root-form implants, which is dependent upon the soft- and hard-tissue conditions.
• Perform root-form surgical procedures on edentulous patient models.
• Understand the events of bone formation after the extraction of a natural tooth.
• Apply basic bone grafting procedures after the extraction of a natural tooth.
• Understand the principles of osteoinduction.
• Describe and treat the complications of root-form surgery.
• List six treatment plan options for removable restorations in a completely edentulous patient.
• Understand and perform sedation for surgical implant procedures.
• Provide radiographic interpretation for partially and completely edentulous patient conditions with available bone height.
• Discuss and describe treatment plan options for partially and completely edentulous patients who desire fixed or removable restorations when adequate bone height is available.
Surgical Program Session 3: Membrane Grafting in Division B Bone

COURSE TOPICS
• Bone growth factors
• Particulate bone harvesting techniques
• Bone grafting, membrane placement
• Anterior implant placement and esthetics
• Radiographic treatment planning for the mandible
• Implant placement after extraction
• Narrow-diameter root forms
• Extraction
• Socket grafting
• Medical evaluation

COURSE OBJECTIVES
• Understand the three surgical options for sufficient bone volume (Division B).
• Describe the unique implant design requirements for narrow root-form implant designs.
• Perform and understand the osteoplasty surgical approach prior to root-form implant insertion.
• Appreciate and list the keys to bone grafting in order to obtain predictable results.
• Recognize and obtain growth factors in conjunction with particulate bone grafting prior to implant placement.
• Describe and perform soft tissue procedures, such as incision line reflection, soft tissue coverage, and suturing techniques for bone grafting.
• Perform procedures to obtain autologous bone for particulate bone grafts.
• Appreciate osteoconductive materials and understand the rate of resorption dependent upon physical factors of the product.
• Perform the “layered approach” to particulate bone grafting for bone width enhancement (developed by Misch).
• Recognize and perform bone site development prior to graft and membrane placement involved in particulate bone grafting.
• Describe the ideal host site conditions for maxillary anterior root-form implants.
• Evaluate and perform the soft tissue incision line options for maxillary anterior root-form surgery.
• Describe the three angulation options for root-form implant placement in the esthetic zone.
• Evaluate and select the ideal implant diameter for single tooth replacement in the esthetic zone.
• Determine and achieve the proper implant depth during surgical placement of implants.
• Perform different methods to enhance the soft tissue profile around implants in the esthetic zone.
• Perform surgical procedures related to membrane particulate bone grafts on laboratory models.
• Appreciate the advantages and disadvantages of the implant surgical placement procedure in conjunction with natural tooth extraction.
• Describe and understand the pharmacologic protocol for implant surgery.
Surgical Program Session 4: Sinus Grafts

COURSE TOPICS
- Maxillary sinus anatomy
- Pathology and histology
- Surgical approach and treatment plans in the posterior maxilla
- Sinus bone graft: rationale, pharmacology and materials
- Sinus surgery complications
- Sinus lifts
- Treatment planning for the edentulous maxilla
- Implant surgery for D4 bone density
- Implant surface conditions

COURSE OBJECTIVES
- Describe and perform the sinus graft procedure in the edentulous posterior maxilla.
- Understand the “keys to bone grafting” as applied to sinus elevations.
- Understand the different categories of bone grafting materials and their role in the sinus graft protocol.
- Recognize the differences between sinus lift and sinus graft procedures.
- Learn the steps to perform a sinus lift surgery with predictable results.
- Provide radiographic interpretation and treatment plans for completely edentulous maxillae.
- List the treatment options to provide fixed prosthetic support for prostheses in maxillary posterior edentulous sites.
- Describe the maxillary sinus anatomy of partially and completely edentulous patients.
- Diagnose the types of pathology most often observed in the maxillary sinus.
- Recognize four different gingival approaches to the treatment of bone grafting in the posterior maxillary region.
- Compare the surgical approach of bone condensation or compression with bone extraction techniques in conjunction with implant placement.
- Treatment plan the completely edentulous maxilla for fixed or removable implant prostheses.
- Describe implant body surface conditions and list the advantages and disadvantages of each condition.
- Understand the pharmacology protocol for sinus grafts.
- Perform the sinus graft procedure on a demonstration model.
2017 Misch Surgical Program in Toronto

**ATTENDANCE is LIMITED.** Registration is on a first-come-first-serve basis.

Participant Name: ___________________ Specialty: ___________________

Address: ______________________________________________________________________________

City: ____________________________ Prov: ______________________ Postal Code: _____________

Phone: __________________________ Fax:____________________ Email: __________________

I heard about this course by:

[ ] Colleague  [ ] Ad / Journal / Mailing  [ ] Website  [ ] Other ______________

**Payment:**

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A non-refundable deposit of $500.00 will be charged upon registration.

Fees do not include Live Surgery and Surgical Mentorship. Additional fees will apply.

Fees are charged in Canadian Dollars.

Visa/Mastercard: __________________________________________________________________________

Expiration Date ____ / ____  Security Code_______ Cardholder Name ________________________________

Signature __________________________________________________________________________________________

I agree to pay the above Course Fee according to the card issuer agreement. Payment will be applied to the credit card provided upon registration.

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**Mail, Fax or Email Registration Form**

**Course Location**

Delta Toronto East  
2035 Kennedy Road  
Scarborough, ON  
M1T 3G2  
416-299-1500

**Mailing Address**

207-300 York Mills Road  
Toronto, ON M2L 2Y5  
Fax Number: 647-748-3551

**For additional information contact us at**

Phone: 416-566-9855  
Email: info@ti2inc.com

Refunds/Cancellations: Cancellations must be made in writing at least six (6) weeks prior to the course. The deposit of $500.00 will be forfeited. The Toronto Implant Institute reserves the right to program cancellation if attendance is insufficient. Participants will be notified if a program is canceled or rescheduled six (6) weeks prior to the course date. In any event, the Toronto Implant Institute will not be responsible or liable for expenses incurred by the registrant.

The Toronto Implant Institute Inc. has been designated an approved Program Provider by the Ontario constituent of the Academy of General Dentistry. This Program Provider’s formal CDE programs are accepted by the AGO for membership maintenance, Fellowship and Mastership credits. The current term of approval extends from November 1, 2014 to October 31, 2017. Provider ID# 302926

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