

# Transatlantic Institute of Oral Implantology (TIOI)

## Scientific program

The scientific program is conceived to enable both the general dental practitioner wishing to introduce routine implant techniques into his/her practice and the more experienced implantologist desiring to extend and diversify his/her level of surgical competence while mastering the basic medical and clinical sciences necessary for its successful practice.

## Basic medical sciences

The program emphasizes the importance of basic medical and clinical sciences required in the esthetic prosthetic and occlusal oral rehabilitation of patients by means of implant and reconstructive surgeries.

These include:

- Medical screening
- Biological constants
- Asepsis and sterilization
- Anaesthesia
- Medical imaging
- Serial and surgical anatomy
- Osteo-periosteal histophysiology
- Soft and hard tissue healing mechanisms
- Biomaterials and biocompatibility
- Treatment planning
- Surgical techniques
- Haemostasis and inflammation
- Biomechanics
- Occlusion and prosthesis
- Esthetics in implant dentistry
- Management of complications

## Basic clinical sciences

Include:

### • Patient Screening

Patient's general health is the most unforeseen single factor influencing the long-term survival of implants. It is therefore critically important to verify it prior to any elective surgery.

The medical approach to screening patients, candidates for implant surgery, is a distinct feature of Institute's program. It includes among others, primary blood and urine tests enabling better understanding of patient's general health and the discovery of possible relative and/or absolute contra-indications compromising patient's health and the successful outcome of the surgery.

### • Anatomy/medical imaging

Mastery of the serial anatomy (sections and slices) of the maxillofacial sphere enables the practitioners to carry out with increased confidence and precision all the surgical gestures required for optimal result.

The aim is to familiarize the doctors with the critically important link between contemporary medical imaging (CT-Scan, MRI and 3D modelization) and the serial anatomy of maxillofacial sphere.

Medical imaging techniques include:

- Photography
- Radiography
- Tomodensitometry (CT-Scan, derived reconstructive imaging and modelization)
- Magnetic Resonance Imaging
- Bone densitometry
- Scintigraphy

### •Biomaterials

Great confusion exists in the terminology and choice of biomaterials or their metabolic cycles, when carrying out minor or major graft procedures. An in-depth study of bone and soft tissue substitutes dissipates this

confusion in relation to autografts and most of available commercial brands of:

- Synthetic graft materials
- Allografts
- Xenografts

### • Surgical techniques

This essential part of the program will cover a wide range of surgical techniques from single implant placement in adequate amount of alveolar bone to major grafting procedures in atrophied jaw bones prior or simultaneous to multiple implantation. These among others include:

- Compaction and expansion techniques
- Use of guided tissue and bone regeneration membranes
- Soft tissue incision patterns
- Onlay and interpositional grafts
- Premaxillary and maxillary sinus grafting
- Nerve repositioning
- Distraction techniques

### • Implant prosthetics

The conception of a predictable treatment plan cannot be completed if it is not continuously driven by prosthetic and occlusal considerations. The Institute's clinical approach to oral rehabilitation by implants starts with temporary and progressive prostheses and ends with well balanced, functional and esthetic restorations.

### • Hands on sessions on animal specimens

Numerous hands on sessions aim to familiarize the student with the ideal operative conditions and simulate the actual surgical procedures:

- Aseptic behavior in operating room
- Precise instrument handling
- Incision patterns, osteotomies, implant and bone grafting techniques, tissue closures
- Esthetic soft tissues enhancement of papilla formation

## Management of complications

Potentially the most critical aspect of oral implantology will deal with all aspects of short, mid and long-term complications.

## Medico-legal

The program includes an objective approach to the understanding of the medical legal aspects of contemporary implantology in the industrialized western world.

## Perspective for further training

Upon completion of this one program, an additional annual program will be available to train the student in more advanced treatment options:

- Complex implant cases requiring multidisciplinary approach
- Advanced implant cases
- Major reconstructive techniques
- Nerve repositioning techniques
- Extra oral harvesting techniques

## 2009-2010 Calendar

The following is the tentative dates subject to minor changes:

### Session 1 (3 days): Jan 29-31, 2010

1. Philosophy of implant dentistry
2. Volumetric classification of available bone
3. Asepsis in implant surgery
4. Treatment planning
5. Overview of basic surgical techniques
6. Medical imaging

**Session 2 (3 days): February 19-21, 2010**

1. Anesthesia and pain management
2. Medical screening
3. Relative and absolute contraindications
4. Bone expansion technique
5. Overview GBR and GTR
6. Immediate implantation

**Session 3 (3 days): April 16-18, 2010**

1. Biomaterials and biocompatibility
2. Overview of graft procedures
3. Successful hard and soft tissue healing
4. Haemostasis and inflammation
5. Maxillary sinus anatomy and histophysiology, communicating airway pathways
6. Overview of maxillary sinus surgery

**Session 4 (3 days): June 25-27, 2010**

1. Retromolar pad and the Lingual n.
1. Floor of the mouth
2. Management of complications
3. Treatment planning complex implantology
4. Implant prosthesis and occlusion
5. Overview of advanced implant tech

**All courses will be integrated with both hands on sessions and live surgeries.**



**Exams and certification of completion with CE credits**

**Venue: University of Toronto Continuing Education Center (1440 Don Mills Rd.)**



**Contact Details**

All enquiries can be made at [drdpb@on.aibn.com](mailto:drdpb@on.aibn.com)

Fax: 416-924-5668

Tel: 416-924-3443

[www.dentalsolutionstoronto.com](http://www.dentalsolutionstoronto.com)

**Registration Details**

**Fees and conditions:**

All 4 modules \$12,500.00

- Payment options 1:
  - \$500.00 deposit by January 15<sup>th</sup>
  - \$4000 due January 29<sup>th</sup>
  - \$4000.00 due March 15<sup>th</sup>
  - \$4000.00 due by May 15<sup>th</sup>
- Payment option 2:
  - \$12,000 due by January 15<sup>th</sup>

**Contact details**

- All enquiries can be made at [drdpb@on.aibn.com](mailto:drdpb@on.aibn.com)
- Fax: 416-924-5668
- Tel: 416-924-3443
- [www.dentalsolutionstoronto.com](http://www.dentalsolutionstoronto.com)

**Registration:**

Doctor's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Payment Option 1: \_\_\_\_\_

Payment Option 2: \_\_\_\_\_

Payment Method (Check One)

Check  Visa  MasterCard

Amex

Card Information:

Name on Card: \_\_\_\_\_

Card Nos: \_\_\_\_\_

Expiry Date: \_\_\_\_\_

Previous Implant Training: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Transatlantic Institute of Oral Implantology (TIOI)**



**25 Years of Uninterrupted Academic Experience in Oral Implantology**

**Scientific Director:**

**Manual CHANAVAZ**

MD, DDS, PhD

Professor and Chairman, Dept. Oral and Maxillofacial Implant Surgery

(Lille University Medical School, France)

**Course Director:**

**Domenic BELCASTRO**

DDS, BSc, MSc

Private practice, Toronto

(Lille University Medical School, France)