ICOI takes Toronto

Spring Implant Symposium takes place in late April

By Sierra Rendon, Managing Editor

The ICOI will be holding its Spring Implant Symposium at the Sheraton Centre in downtown Toronto, Canada, from April 27–29.

The Sheraton Centre hotel is located in the heart of Toronto, cheek-by-jowl to the financial and theater districts and sits on top of Toronto’s famous massive underground shopping mall, the PATH.

The Sheraton is conveniently located near museums and Toronto’s professional sports arenas.

The scientific program was designed by Dr. Natalie Wong with assistance by her committee members, Drs. Blake Nicolucci and Yvan Poitras. The full 2½-

Research: New coating appears to accelerate the fixation of implants

By Dental Tribune International

Researchers from Linköping University in Sweden have successfully tested a new drug coating on humans that allows titanium implants to adhere to the bone better and more rapidly. The findings could benefit patients with difficulty chewing after dental treatment.

After the dental implant placement, many patients are unable to chew food as before. Using the current technology, it may take four to six months before the bone surrounding the implant has healed and is strong enough for the patient to truly begin to benefit from surgery.

The new coating consists of a nanometre-thin layer of protein that adheres to the metal surface. Attached to the protein is a drug belonging to the class of bisphosphonates, usually used to treat osteoporosis.

Now, for the first time, this method has been tested on humans. The study involved 16 patients. Each of them received two implants — one ordinary implant and one surface-treated implant as described above.

Neither the patient nor the dental surgeon knew which was which. After six months, it was noted that for 15 of the 16 patients, the surface-treated screw was much better established. After only two months, X-ray images showed positive changes in the tissue surrounding the surface-treated implants. According to the researchers, no complications occurred.

"It is the first time ever anyone has succeeded in reinforcing the bone around an implant with localized medication," said study leader Per Aspenberg, professor of orthopaedics, who devised the method of using bisphosphonates Linköping University in Sweden.

The study was published online in the Bone journal.
April 28: morning session
“What a Restorative Dentist Should Know About Implant Surgery”
Session host: Dr. Scott Ganz
8:30 to 9:30 a.m. Dr. Bach Le, “Avoiding and Managing Esthetic Complications Associated with Implant Therapy”
9:30 to 10:30 a.m. Dr. Anashef, “Implant Design. Healing Prosthetic Consequences”
10:30 to 11 a.m. Break with exhibitors
11 a.m. to 12 p.m. Dr. Carl Misch, “Sequence of Treatment for Esthetics in the Pre-maxilla of Implant Prostheses”
12:15 to 1 p.m. Lunch with exhibitors
April 28: afternoon session
“What a Surgeon Should Know About Implant Prosthetics”
Session host: Dr. Natalie Wong
1 p.m. to 2 p.m. Dr. Scott Ganz, “The Impact of Implant Placement on Abutment Design for Screw-Retained and Cementable Restorations: Who Makes the Decisions?”
2 to 3 p.m. Dr. Joseph Kan, “Prosthetic Driven Esthetic Anterior Implant Surgery”
3:30 to 4:30 p.m. Break
4:30 to 5:30 p.m. Dr. Jamie Lozada, “Benefits of Computer-Guided Surgery and CAD/CAM Technology: Computer-Generated Surgical Guides with Extractions and Immediate Provisionalization”
4:45 to 5:45 p.m. Dr. Natalie Wong, “Destination Digital From Plans, Scans and New Digital Impressions”
6 to 7 p.m. Tabletop and Poster Presentations and Welcome Reception

Friday, April 27
1 to 2 p.m. Dr. Murray Arfin, “Surgical Risk Factors and Complications — How to Treat and How to Avoid Them”
2 to 3 p.m. Dr. Jamie Lozada, “Benefits of Provisional Restorations for Immediate Loading”
3 to 3:30 p.m. Break with exhibitors
3:30 to 4:30 p.m. Dr. Dwayne Karateew, “Prosthetic Strategies to Enhance Peri-Implant Soft Tissue Esthetics”
ADIA program
ICOI's component society, the Association of Dental Implant Auxiliaries (ADIA), will be holding a half-day program for hygienists, dental assistants and front office staff members. In addition to the Friday afternoon program session, the ADIA will also conduct a Wednesday certification course for these three areas of the dental practice. The program is as follows:
Friday, April 27
1 to 2:15 p.m. Introductions
2:15 to 2:55 p.m. Dr. Carl Misch, “Sequence of Treatment for Esthetics in the Pre-maxilla of Implant Prostheses”
2:55 to 3:15 p.m. Dr. Audrey Beaudin, “Understanding Biomaterials”
3:15 to 4:15 p.m. Dr. William Joseph Wong, “Prosthetic Strategies to Enhance Peri-Implant Soft Tissue Esthetics”

Nobel Biocare course
Time/day: 8 a.m. to noon Friday
Course fee: Free
Attendance is limited. First come, first served.
Dr. Anastasia Cholakis: “Delayed Implant Treatment Complications — Prevention and Treatment”
This seminar will review some delayed implant treatment complications such as hard- and soft-tissue loss. Peri-implant mucositis, soft-tissue recession or deficiencies and peri-implantitis will be discussed as well as preventive measures and treatment modalities. An in-office implant maintenance protocol will be outlined to assist in the monitoring of the peri-implant tissue.
At the end of this seminar, the participant should be able to:
• Identify soft- and hard-tissue complications
• Adopt preventive strategies
• Have an understanding of some current treatment modalities
• Implement an in-office peri-implant maintenance program

Misch Institute course
Time/day: 9 a.m. to noon Friday
Course fee: $395
Attendance is limited. First come, first served.
Dr. Carl E. Misch: “Key Implant Position and Implant Number for Fixed Prostheses”
In every treatment plan for missing multiple teeth there are key implant positions, which are more important, related to biomechanics. There are four guidelines to determine these positions:
• No canotilevers
• No three-adjacent pontics
• The canine and first molar rules
• Arch dynamics

Cantilevers are force magnifiers. Three adjacent pontics not only overload the adjacent abutment, the flexure of the metal bar is 27 times the flexure of a one-pontic prosthesis. The canine and first molar are key positions for an arch and, whenever missing, should be replaced with an implant (rather than a pontic). Arch dynamics (especially for a maxilla) require the structure to be considered as a five-sided open penta- gon. At least one implant in each section is required for each edentulous segment.
Once these key positions are determined, the additional implants required to restore the patient are considered based upon patient risk factors and the bone density in the edentulous sites.
Delegates to this symposium should take advantage of these pre-symposium courses for additional C.E. credits.

8 a.m. to 6 p.m. Karen Young, “Practice Management Implant Certification Program” (PMICP)
Includes terminology and definitions; case presentation and handling objections; commonly asked questions and appropri- ate responses; fee presentation; financial op- tions and arrangements; risk management, documentation and record keeping, practice plans and marketing, referrals, intra/inter- office communications.
C.E. credits will be given to both the clini- cians and auxiliary attendees.
On Friday morning, April 27, Nobel Bio- care and the Misch Institute will give pre- symposium workshops. Details of these two workshops appear below.

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