

Master Course in Advanced Reconstructive Dentistry Using Dental Implants

In collaboration with the Department
of Prosthodontics, University of Berne,
and the Department of Oral Surgery,
University of Geneva, Switzerland

29 June–6 July 2012 Thun, Switzerland

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CONNECTING SCIENCE™

Preface

Dear Colleagues,

“A very special advanced implantology course for
a very special audience from all over the world”

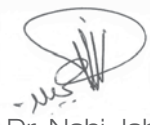
During the last 40 years implant dentistry has improved dramatically and became one of the scientifically accepted treatment modalities to bring to our patients a survival rate of more than 95 % after ten years of follow-up. More developments of the regenerative techniques like GBR (Guided Bone Regeneration) and GTR (Guided Tissue Regeneration) during the last two decades lead to additional expansion in the dental implant treatment to include more difficult situations in the advanced atrophic mandible or maxilla. This had widened the indications of implant therapy.

Today with great pleasure we announce the 5th Advanced Dental Implantology Master course in Thun, Switzerland from 29 June to 6 July 2012. This course program is designed in English especially for international Dentists and Specialists from all over the world, who would like to up-date their knowledge in implantology and take the new information based on the novelty of research and clinical experiences.

A very special group of Clinicians and Researchers, connected to four universities in Berne, Geneva, and Zurich, Switzerland, as well as the King Saud University of Saudi Arabia, will gather during this week to present a selection of lectures and clinical demonstrations including live video presentations. The course will include four workshops giving a profound insight into surgical, prosthetic, perio-regenerative methods with suturing techniques as well as advanced surgical procedures and sinus lift augmentation techniques. We will also discuss several important issues in implantology such as esthetic aspects, CAD/CAM technology, and treatment of peri-implant complications.

I am sure that you will enjoy the romantic atmosphere at the Seepark Hotel in Thun, a lovely touristic city, and during your stay you will have the chance to participate in many social activities. Join us to learn more about how to improve your clinical practice and to enjoy an unforgettable week in Switzerland.

Chairman and Course Director



Dr. Nahi Jabbour



Program Information

Scientific Committee

- Prof. Dr. med. dent. Regina Mericske-Stern (Program [Chairwoman](#)) [Berne](#) University
- Prof. Dr. med. dent. Jean-Pierre Bernard (Co-Chairman) Geneva University

Program Director

- Dr. Nahi Jabbour (Star Science International GmbH)

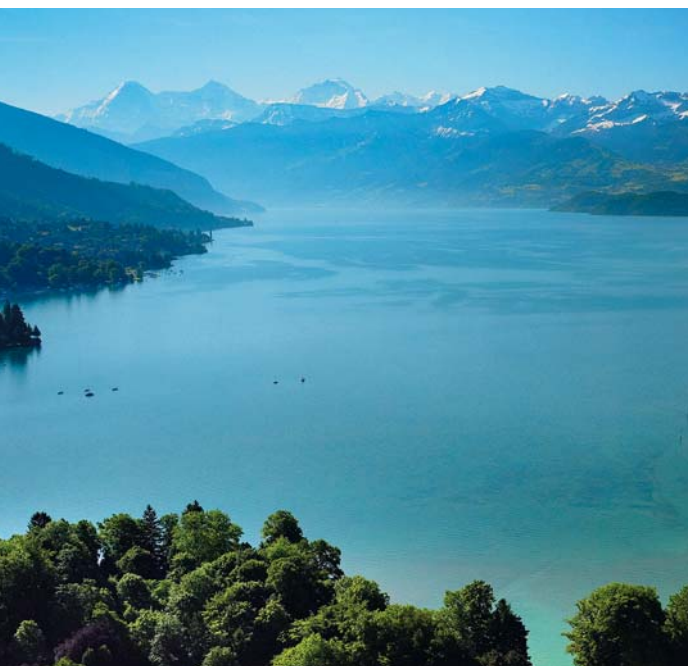
Official Language

- All presentations and discussions will be held in English.

Tuition Fees

- Course fee CHF 3,000
- Course registration and hotel accommodation, including food and transportation and 3 workshops: CHF 3,800 (please check details on the registration forms)

Deadline for registration: [29 May 2012](#)



Venue

****Hotel Seepark

Seestrasse 47, 3602 Thun, Switzerland

Phone +41 (0) 33 226 12 12

Fax +41 (0) 33 226 15 10

- Length of course: 40 Credit Hours
- Schedule: 08:30 to 19:30 daily
- **Three** workshops on models and on animal jaws:
 1. Surgical procedures with the Thommen Medical Implant System, Sinus grafting and lateral ridge augmentation
 2. Prosthetic procedures of the Thommen Medical Implant System
 3. Appropriate suturing to ensure wound stability



Aim of the Course

This program is organized to present a five days course in “Advanced Reconstructive Dentistry using Dental Implants”. The course contains sequences of lectures, clinical demonstrations and extensive hands-on workshops in diagnostic, surgical and prosthetic procedures of dental implants. It also includes several case presentations and discussions.

- First day of the course, Saturday, 30 June: The morning is dedicated to an introduction about Dental Implant History and Osseointegration, the depth approach to treatment planning, diagnosis and surgical procedures for the placement of endosseous dental implants. In the afternoon we will enjoy a high level presentation from our guest speaker, Dr. Konrad H. Meyenberg. He will discuss the guidelines of implant placement in the esthetic zone and the effect of the implant design to optimize esthetic results.
- Second day, Monday, 2 July: Dr. Rino Burkhardt will hold two lectures. In his first lecture, he will talk about mucosal surgery – from basic science to clinical success. The second lecture is about short implants and the influence of masticatory mucosa around implants, including workshop in the afternoon about appropriate suturing to ensure wound stability.
- Third day, Tuesday, 3 July: Prof. Regina Mericske will present different restorative and prosthetic implant procedures for the successful completion of treatments. Also, we will discuss the option of immediate implant placement versus delayed implant placement, immediate loading and CAD/CAM technologies using titanium and zirconia.
- Fourth day, Wednesday, 4 July: Prof. Jean-Pierre Bernard will explain advanced surgical procedures, ridge augmentation, Guided Bone Regeneration (GBR), Guided Tissue Regeneration (GTR) techniques and sinus lift elevation procedures in combination with dental implant placement.
- The last day, Thursday, 5 July: We will have two well-known speakers, Professor Yousef Talic from the King Saud University in Riyadh and Dr. Omar Shihabuddin from the Dammam Central Hospital of Ministry of Health, Saudi Arabia. They will give summary about their experiences with Thommen Medical Implants. Then Dr. Jabbour will discuss the technical and biological complications and failure of using dental implants including maintenance protocol.

Target Group

Tailored to the practitioners interested in implant dentistry who desire to achieve a high level of competence for daily practice applications.

The course will cover the basic aspects of scientific evidence relevant for daily patient managements including a new concept of comprehensive treatment planning based on biological research of the last two decades. Case presentations and discussions as well as practical exercises will be presented to help to acquire in depth the implant application knowledge.

Goals of this course

To set up comprehensive treatment plans and competent application of oral implants.

Contents

Comprehensive Certification Program in Advanced Reconstructive Dentistry Using Dental Implants

Current Trend in Esthetic Dentistry

Delayed implant placement



Clinical and Radiological view of tooth no. 11 old crown with perforated post, and root resorption

Implant placement after ridge reconstruction and X-Ray



Situation with gingiva former (modified with composite and healed sulcus)

Selection of ART abutment form wax-up (ART grinding abutment)



Customized ART abutment on the model

Wax-up

Customized ART abutment in situ



X-ray check of approximal contour

Final Zirconium crown cemented on Zirconium abutment

16 months x-ray follow-up

Pictures courtesy of

Dr. Konrad Meyenberg, private practice, Zurich, Switzerland, Dr. Marco Imoberdorf, private practice, Zurich, Switzerland, Walter Gebhard, dental technician, Zurich, Switzerland

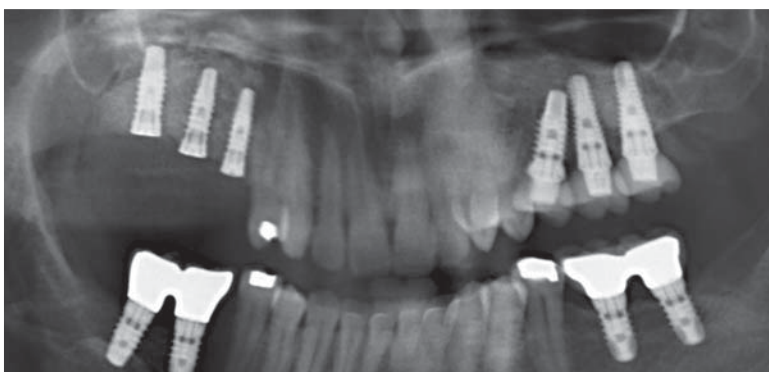
Evidence-based and long-term results on sinus grafting procedures
Vertical ridge augmentation
Lateral and horizontal ridge augmentation



CT scan and x-ray give better details about the sinus anatomy and the presence of septum



Please note it is clear that patient needs sinus lift procedure on the right maxilla as well as on the left



X-ray shows on the left side we replaced the missing teeth with three implants simultaneously with the sinus grafting procedure.

Pictures courtesy of
Dr. Nahi Jabbour, DDS, MDS, and Dr. Khalifa Al Harthy

Evidence-based and long-term results on sinus grafting procedures

Vertical ridge augmentation

Lateral and horizontal ridge augmentation



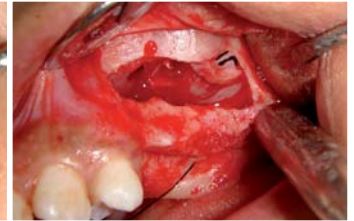
1.
Clinical view upper maxilla



2.
Lateral view confirm not
enough inter-occlusal space



3.
The design of the lateral
window not the perforation
of the membrane



4.
View of the lateral window



5.
Inserting the implant after
filling the sinus with graft



6.
Sutures and wound closure



7-8.
Two months later view of the gingival former ...



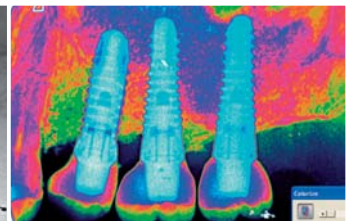
9.
View of the final crowns



10.
X-ray two years after loading



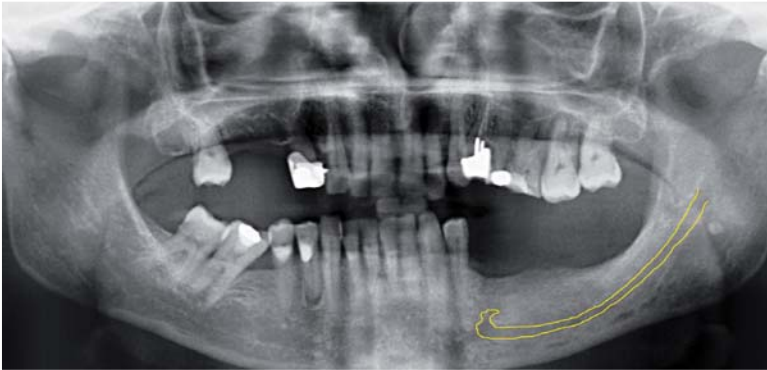
11-12.
X-ray computer analysis, presenting bone stability around the
implant margins two years of function



Pictures courtesy of
Dr. Nahi Jabbour and Dr. Khalifa Al Harthy (Royal Police Hospital, Oman)

Immediate loading: When? Risk and success!

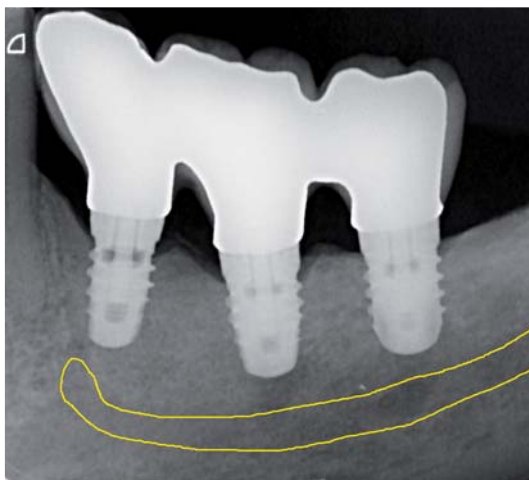
Immediate loading with short implant 6.5 mm, case report presented by Dr. Jabbour and Dr. Khalifa Al Harthy (Royal Oman Police Hospital)



X-ray panoramic view for periodontally compromised patient missing teeth no. 35/36/37



Clinical view after treatment two years follow-up
immediate loading on three short implants 6.5 mm length

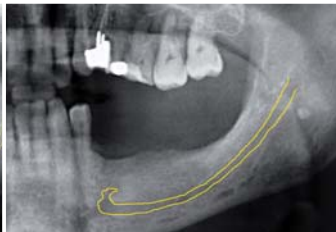


X-ray made after two years of function; please
note the marginal bone stability around these short implants

Immediate loading with short implant 6.5 mm



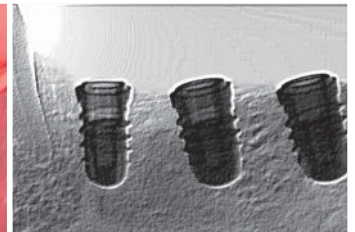
1. Panoramic x-ray, presenting multiple missing teeth



2. X-ray view of limited amount of bone in height including super eruption of the upper teeth



3. Three short 6.5mm length Thommen implants inserted with flapless surgery technique



4. X-ray, after implant placement (note bone level)



5. Abutments connection to immediate loading process



6. 3 Easy abutments screwed with 25 Ncm (inter-occlusal space is fine)



7. Impression-taking, plastic in position (snap-on)



8. Temporary caps cemented on the abutments



9. View of the impression coping closed tray with v.silicone material



10. Abutment Analogs snapped into the impression coping



11. Temporary bridge lab-fabricated



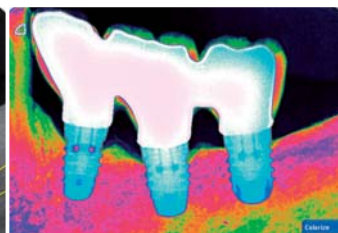
12. View of the temporary bridge cemented 24 hours after implant placement (note free occlusal contact)



13. Clinical view of the final bridge after two years of function



14. X-ray follow-up two years. Note the marginal bone stability around the short implants

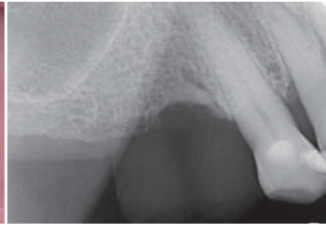


15. Computer analysis presenting bone stability around the short implants after two years of function

Clinical Case with CAD/CAM Titanium milled screw-retained abutments on Thommen Medical Implants



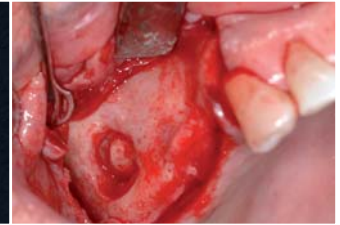
1. Edentulous posterior maxilla, extension of the sinus



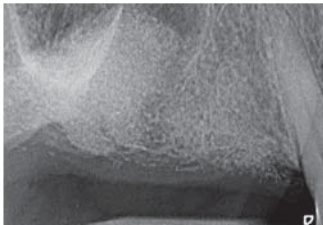
2. X-ray before treatment extension of the sinus



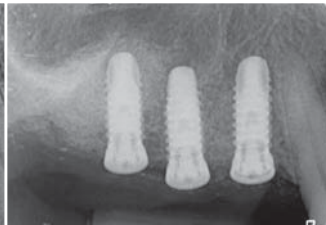
3. Cast and wax-up of the teeth to be replaced



4. Sinus floor elevation on location of first molar



5. X-ray after sinus elevation please observe the grafting materials



6. Three Thommen Element implants 11 mm were placed



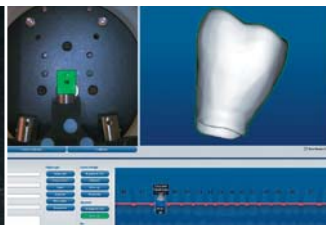
7. Reentry with CO₂ Laser after six months of healing time, 3 gingival formers were placed



8. Impression-taking with open tray



9. Master-cast with implant-analogs in situation



10. CAD/CAM fabrication of titanium framework: computer-design



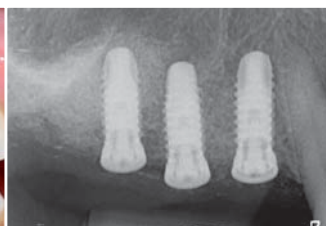
11. CAD/CAM milled titanium-framework: direct screw-retention at implant level



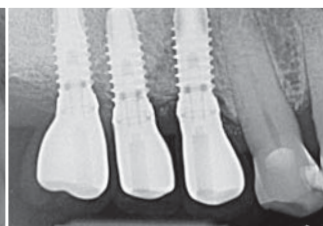
12. Crowns with veneering, direct screw access to implant level



13. Final crown in situation Titanium framework: computer-design



14. X-ray implant before loading: Direct screw-retention at implant level



15. Implants after loading with screw-retained crowns

Compromised site twenty years after tooth re-plantation

Severely resorbed central incisor with compromised mucosa 20 years after tooth re-plantation followed by an implant therapy (hard and soft tissue augmentation, single crown)



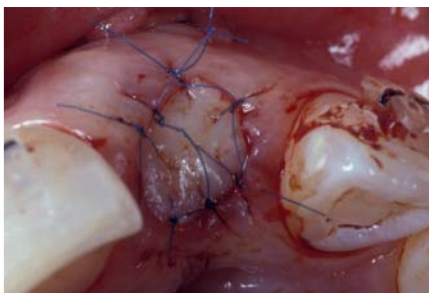
1. Initial situation with recession and mucosal dehiscence.



2. After tooth extraction. There is no buccal bone left.



3. Severly resorbed central incisor.



4. Primary closure of the socket and dehiscence with connective tissue grafts.



5. Healed site after guided bone regeneration.



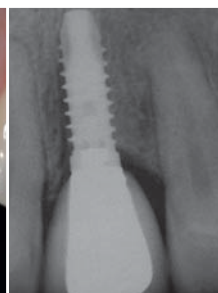
6. After abutment connection, six months after implant placement.



7. First provisional restoration.



8. Final crown, one year after cementation.



9. X-ray of the implant, one year after final crown insertion.

Speakers

- **Prof. Dr. med. dent. Regina Mericske-Stern**

Head of Department of Prosthodontics and Reconstructive Dentistry, School of Dental Medicine, University of Berne, Switzerland

- **Dr. med. dent. Konrad H. Meyenberg**

Senior lecturer at the University of Zurich, Dental Schools, and the University of Berne

- **Dr. med. dent. Rino Burkhardt**

Master Degree from the Medical Faculty of the University of Berne
(MSD in Periodontology, Honorary Associate Professor at the University of Hong Kong)

- **Prof. Dr. med. dent. Jean-Pierre Bernard**

Chief of Department of Oral Surgery, School of Dental Medicine, University of Geneva, Switzerland

- **Prof. Yousef Fouad Talic**

Professor of Fixed and Removable Prosthodontics and Implantology and Director of International Cooperation and Scientific Societies Department of Prosthetic Dental Sciences, College of Dentistry, King Saud University, Riyadh, K. Saudi Arabia

- **Dr. Omar F. Shihabuddin**

Head, Oral and Maxillo-facial Surgery department Dammam Dental Center, K. Saudi Arabia

- **Dr. Nahi Jabbour DDS, MDS**

Chairman of the Swiss International Academy of Implantology and Maxillofacial Research, Education Manager at Star Science International GmbH/Switzerland





School of Dental Medicine, University of Berne, Switzerland
Prof. Dr. med. dent Regina Mericske-Stern

Prof. R. Mericske is the Chairwoman of the Department of Prosthodontics, University of Berne. Here she received her PhD degree and today she is the Director of the Master Program in prosthodontics and implant dentistry. The students elected her teacher of the year. She was a regular guest professor at the Dental School of Toronto, has lectured in over 25 countries. She is a member of various national and international societies: honorary member of the Japanese Association of implantology, past-president of the Swiss Geriatric Society and currently president of the Swiss Society of Reconstructive Dentistry (SSRD). Her activities, both in clinical practice and research, cover the field of implant prosthodontics and geriatric dentistry.



Private practice, Zurich, Switzerland
Dr. med. dent. Konrad H. Meyenberg

Dr. Konrad H. Meyenberg graduated at the University of Zurich, Switzerland. Afterwards he completed his 4-year postgraduate program in reconstructive dentistry in Zurich at the department for fixed and removable prosthodontics and material sciences (chairman: Prof. Peter Schäfer). His special areas of interests are perio-prosthetics, adhesive dentistry, esthetic prosthodontics and implant dentistry.

He maintains a private practice limited to esthetic reconstructive dentistry in Zurich, Switzerland. He is Senior lecturer at the University of Zurich, Dental School, and the University of Berne, Dental School, Switzerland. And he is speaker at numerous international congresses. He has published several articles in the fields of esthetic dentistry, perio-prosthodontics and implant prosthodontics.

Dr. K. Meyenberg is active member of the European Academy of Esthetic Dentistry, the Academy of Osseointegration and the Swiss Society of Reconstructive Dentistry. He is a certified specialist for reconstructive dentistry of the Swiss and European Dental Society, member of the editorial board of the International Journal of Periodontics and Restorative Dentistry, the European Journal of Esthetic Dentistry and the Journal of Implantology.





Private practice, Zurich, Switzerland
Dr. med. dent. Rino Burkhardt

Rino Burkhardt graduated from the University of Zurich and received his doctorate from the Medical Faculty of the same University. He is an EFP (European Federation of Periodontology) certified specialist in periodontology and received his master's degree from the Medical Faculty of the University of Berne (MAS in Periodontology).

He maintains a private practice in Zurich, limited to periodontology and implantology. Additionally he acts as a senior lecturer at the University of Zurich and has an appointment as honorary associate professor at the University of Hong Kong.

He has published several articles, reviews and book chapters (two in "Clinical Periodontology and Implant Dentistry"). He is an active member of the European Academy of Esthetic Dentistry (EAED), the European Association for Osseointegration (EAO), the Swiss Society of Periodontology (SSP) and Board member of the Swiss Society of Implantology (SGI).



University of Geneva, Switzerland
Prof. Dr. med. dent. Jean-Pierre Bernard

He has a medical degree and specialization in stomatology and maxillofacial surgery in Paris, France.

Full time at the University of Geneva since 1980.

Private Docent University of Geneva.

Professor and Chairman for Oral Surgery and Dento Maxillofacial Radiology.

Department of Stomatology and Oral Surgery, School of dental medicine, University of Geneva.

Member of the International Team for Implantology (ITI) since 1992 to date.



Star Science International GmbH, Berne, Switzerland
Dr. Nahi Jabbour DDS, MDS

Graduated from Damascus University – School of Dental Medicine, in 1981, Doctor of Dental Surgery

Specializes in oral surgery 1982–1984

First training in implant dentistry at New York University, USA, 1986

Head of the Dental and Implant Center 1989–1991, Riyadh, Saudi Arabia

Special Training at Berne University, Dept. Oral Surgery (Chairman Prof. Berthold), 1993

Education Manager at Straumann Institute for Dental Implant Development and Research until 2002

Until present time, Education Manager for Star Science International GmbH in Berne, Switzerland

Head of Clinical and Animal Research and Business Developments

Chairman of the Swiss International Academy of Osseo- integration and Maxillofacial Research

Dr. Jabbour has a lot of experiences in dental implant surgery, guided bone regeneration – GBR technique, ridge augmentation and sinus lift procedures.

He has given more than 250 lectures and courses, with clinical activities in implantology and oral surgery at both national and international levels.



Professor of Prosthodontics and Implantology, department of Prosthetic Dental Sciences, College of Dentistry, King Saud University, Riyadh Saudi Arabia
Prof. Yousef F. Talic

Prof. Yousef F. Talic is a Professor of Fixed and Removable Prosthodontics and Implantology in the Department of Prosthetic Dental Sciences, College of Dentistry, King Saud University, Saudi Arabia.

He obtained his Bachelor's degree in Dental Sciences from King Saud University in 1983 and Certificate of Specialty in Advanced Fixed and Removable Prosthodontics from Ohio State University, Columbus, Ohio, U.S.A. in 1988 and Master of Science in 1989 from the same university. He served as Chairman of the Department of Prosthetic Dental Sciences from 1994–2000, Program Director of the Prosthodontics Graduate Program from 1996–2003, Director of Postgraduate Dental Education from 2000 to 2005 in the College of Dentistry King Saud University, former President of the Saudi Dental Society 2004–2010, former Editor-in-Chief of the Saudi Dental Journal 2004–2010, Member of the Board of Executives of the Gulf Dental Society (2005–2009), Member of the Board of Directors of the Asia Pacific Dental Federation (2006–2010), Chairman of the Dental Accreditation Committee of the National Commission for Academic Accreditation and Assessment (2005), and held numerous academic and administrative positions in the University and other governmental sectors, external examiners for several local and Arab universities.

He was awarded as Senator of the World Nations Congress in 2003 and American Hall of Fame in the same year by the American Biographical Institute, USA for his outstanding commitment, accomplishment, dedication and inspirational leadership to the International Congress and Fellowship Middle East Region. He was also awarded as the International Scientist of the Year 2003 and International Man of the Year 1992–1993 by the International Biographical Center, Cambridge, England in recognition of his services rendered to dentistry in the Arab World.

Currently, he is the Director of the International Cooperation and Scientific Societies at King Saud University, Vice-President of the International College of Dentist Middle East Section, external examiner for promotion of faculties in King Abdulaziz University in Jeddah and Taibah University in Madinah Monawara, research consultant in King Abdulaziz Scientific Technology (CAST). Member in the board of director for Farabi Dental College. Member of the Editorial Board of the Journal of American Dental Association (JADA) Arab World Edition, member of the advisory board for the Saudi dental journal. Fellow Diplomat, International College of Oral Implantologist and Diplomat, American Society of Osseointegration.



Head, Oral and Maxillo-facial Surgery department Dammam Dental Center, K.Saudi Arabia
Dr. Omar F. Shihabuddin

A total of 30 years of experience in the field of dental, Oral Maxillo-facial surgery and Implantology. Consultant of Oral & Maxillo-Facial Surgery Dammam Medical Complex Graduated, 1981, BDS Bachelor Degree in Dental Medicine and Surgery Cairo University, Cairo, Egypt, 1981.

M. Sc. Degree in Oral & Maxillo-facial Surgery, University of London, U.K, 1989.

AO-International Fellowship, Department of Maxillo-facial Surgery at the University Hospital "Inselspital", Berne, Switzerland, 1993.

Director of Dammam Dental Center 1993–2004

Member of the Dental scientific committee of Saudi council for health. Member of the scientific committee of the Oral & Maxillo facial program of the Saudi board of Saudi council for health. (2000–2004), Member of the scientific committee of the Oral & Maxillo facial program of the Arab board (2000–2008).

Program

Arrival

Friday 29 June 2012

19:00	Welcome drink and registration Lecture from the tourist office in Thun
20:30	Dinner at Hotel Restaurant Seepark

First day

Saturday 30 June 2012

08:30–09:00	Introduction (welcome to Switzerland and social activities program)
09:00–10:30	1st topic: Current trends in dental Implantology Part 1 <i>Speaker: Dr. Nahi Jabbour</i>
10:30–11:00	Coffee Break
11:00–12:30	2nd topic: Current trends in dental Implantology Part 2 <i>Speaker: Dr. Nahi Jabbour</i>
12:30–16:00	Lunch Break
16:00–17:30	1st topic: Optimal soft-tissue aesthetics around implants – current concepts and controversies Main question: Can we further support tissue surrounding implants through restorative technologies or techniques? <i>Speaker: Dr. med. dent. Konrad H. Meyenberg</i>
17:30–18:00	Coffee Break
18:00–19:30	2nd topic: Teeth or implants: The replacement of single and multiple missing teeth in the esthetic zone. The following topics are addressed: when to extract and when to keep a tooth in the esthetic zone. Esthetic and biological considerations <ul style="list-style-type: none">• The predictability of the soft tissue profile in periodontally compromised cases• Perfect pink esthetics: tissue or porcelain? Reconstruction or replica? <i>Speaker: Dr. med. dent. Konrad H. Meyenberg</i>
19:30–20:00	Open Discussion
20:30	Dinner at Hotel Restaurant Seepark



Second day

Sunday 1 July 2012

Trip to the Mountain (and dinner on the Lake of Thun) (sport clothing)

Third day

Monday 2 July 2012

08:30–09:00	Case presentation 1, questions, discussion <i>Speaker: Dr. Nahi Jabbour</i>
09:00–10:30	“Mucosal surgery – from basic science to clinical success” <i>Speaker: Dr. med. dent. Rino Burkhardt</i>
10:30–11:00	Coffee Break
11:00–12:30	1st topic: “The influence of masticatory mucosa around implants” 2nd topic: “Short implants” <i>Speaker: Dr. med. dent. Rino Burkhardt</i>
12:30–16:00	Lunch Break
16:00–17:30	“Appropriate suturing to ensure wound stability” hands-on training <i>Speaker: Dr. med. dent. Rino Burkhardt</i>
17:30–18:00	Coffee Break
18:00–19:30	“Appropriate suturing to ensure wound stability” hands-on training <i>Speaker: Dr. med. dent. Rino Burkhardt</i>
20:30	Dinner at Hotel Restaurant Seepark



Fourth day

Tuesday 3 July 2012

08:30–09:00	Case presentation and overview to all the indications on the Thommen Medical Implant System, questions, discussion <i>Speaker: Professor Regina Mericske-Stern</i>
09:00–10:30	Immediate implant placement in extraction sockets: advantages or risks? <i>Speaker: Professor Regina Mericske-Stern</i>
10:30–11:00	Coffee Break
11:00–12:30	Implant rehabilitation concepts for the edentulous maxilla: planning and surgery, prosthetic design, including titanium and zirconium <i>Speaker: Professor Regina Mericske-Stern</i>
12:30–16:00	Lunch Break
16:00–17:30	Prosthetic Aspects Implant connections Easy Abutment for cemented restoration, Angled Abutments, Screw Retained and Hybrid overdentures <i>Speaker: Dr. Nahi Jabbour</i>
17:30–18:00	Coffee Break
18:00–19:30	Hands-on training prosthetic procedures <i>Speakers: Dr. Nahi Jabbour</i>
19:30–20:00	Case Presentation 1, discussion and solution by Dr. Nahi Jabbour
20:30	Dinner at Hotel Restaurant Seepark

Fifth day

Wednesday 4 July 2012

08:30–09:00	Case Presentation 2, questions, discussion <i>Speaker: Dr. Nahi Jabbour</i>
09:00–10:30	Bone deficiency treatment options atrophic mandible (part 1) Bone augmentation procedures, methods of bone harvesting Treatment in posterior maxilla (Sinus elevation, osteotome, lateral window) Part 1 <i>Speaker: Prof. Dr. med. dent. Jean-Pierre Bernard</i>
10:30–11:00	Coffee Break



11:00–12:30	Bone deficiency treatment options atrophic mandible (part 2) <i>Speaker: Prof. Dr. med. dent. Jean-Pierre Bernard</i>
12:30–16:00	Lunch Break
16:00–17:30	The use of bone substitute <i>Speaker: Dr. Nahi Jabbour</i>
17:30–18:00	Coffee Break
18:00–19:30	Hands-on training workshop (practice on models) <i>Speakers: Dr. Nahi Jabbour</i>
20:30	Dinner at Hotel Restaurant Seepark

Sixth day

Thursday 5 July 2012

08:30–09:00	Case presentation 2, discussion, Solution <i>Speaker: Dr. Nahi Jabbour</i>
09:00–10:30	Clinical experiences from Saudi Arabia using the Thommen Implant System <i>Speakers: Prof. Yusef Talic, Dr. Omar Shihabuddin</i>
10:30–11:00	Coffee Break
11:00–12:30	Topics: Dental implant complication and treatment options <i>Speaker: Dr. Nahi Jabbour</i>
12:30–17:00	Visit to the production facility of Thommen Medical
20:00–23:00	Star Science surprise night <i>Apéro, Gala Dinner Party with surprise, afterwards certification in Hotel Seepark</i>

Seventh day

Friday 6 July 2012

Departure to Zurich by bus/or individually



Lecture Abstracts

Dr. med. dent. Konrad H. Meyenberg

Optimal soft tissue aesthetics around implants – current concepts & controversies – first part

Main question

Can we further support tissue surrounding implants through restorative technologies or techniques?

Content

Currently a variety of new implant designs are on the market. Most of these designs are based on advanced ideas how to improve esthetics. Major differences exist regarding the head, the neck, the abutment part and their respective connections.

This, however, provokes some questions: Is there one superior design? What is the influence on esthetics by the macro- and microgeometry of these new designs? What are the clinical consequences? How is the process of bone remodelling around the neck influenced? Can the soft tissue better be attached to micro- and macrostructured neck surfaces, and what are the respective biologic risks? What is the real benefit of “white” implants and abutments? Is zirconia esthetically really superior to other abutment materials? Is the surgical challenge reduced and the predictability of esthetics improved just by the choice of the “right” materials and designs?

In addition the technical development of implant abutments in the recent time is shown and analyzed. New approaches in terms of biologic and esthetic advances are explained (horizontal and vertical set-off, vertically reduced biological width, conical seal designs with friction fit).

Upon completion of this presentation, participants should be able to:

- a understand the ideas behind the current implant designs
- b understand the different concepts to optimize the vertical component of the biological width
- c understand the clinical potential of the various systems
- d understand the limitations of each concept

Teeth or Implants: The replacement of single and multiple missing teeth in the esthetic zone

Restorative, technical, esthetical and biological aspects of esthetically demanding cases are discussed under the key-words “predictability and excellence”.

Clinical cases are presented to compare the esthetic and functional outcome of implant- and tooth-supported fixed restorations with and without pontics.

The following topics are addressed:

- when to extract and when to keep a tooth in the esthetic zone: esthetic and biological considerations
- the predictability of the soft tissue profile in periodontally compromised cases
- perfect pink esthetics: tissue or porcelain? Reconstruction or replica?

Dr. med. dent. Rino Burkhardt

Human Factors and Technical Factors influencing the outcome in Periodontal Surgery

Since the origin of periodontal surgery at the beginning of the last century, a huge development took place in this field of specialty. In periodontitis therapy the concept of surgical pocket elimination has been replaced by eliminating the activity and inflammation by deep scalings. Additional surgical interventions are indicated in a second step to treat local sites to get better access to the defects, to improve hygiene measures or to further improve the attachment level by guided tissue regeneration and similar surgical procedures.

Additionally, the traditional mucogingival surgery from the sixties has moved from its original indication of improving the relationship between the gingiva and the lining mucosa into a surgical specialty which includes techniques to treat periodontal and periimplant problems.

To perform modern plastic surgery successfully it is mandatory to adapt to these new requirements by refining the surgical approach, producing less trauma to the patients, respect and know the background of scarring and also think about ones own mind-set from time to time. Scientific psychological publications confirm that the mind-set of a surgeon and his learning potential from errors may be more important than the years of practice and experience.

It is the aim of this lecture to show the development of periodontal surgery in the course of time by clinical cases. Additionally, the human factors concerning decision making will be discussed as well as the technical ones which strongly influence the final results.

The influence of the masticatory mucosa on functional and esthetic results of implant restorations

The role of masticatory mucosa around teeth has scientifically been investigated in the last decades and the concept of a minimally necessary width to maintain gingival health is no longer valid from a scientific point of view. A similar discussion is going on since a few years about the necessary width of masticatory mucosa around implants and there is no consent within the implant community.

It is the aim of this lecture to summarize the actual literature. Additionally it should be discussed what at all we are aiming for concerning esthetic and functional outcome. These definitions only give us the treatment endpoints of success.

The clinical oriented part of the lecture describes different techniques to maintain and recreate masticatory mucosa at different time points in the sequence of the treatment. At the end there still is the question if the current modality of implant-tissue attachment is the best available we have?

Thommen Implant System



New Swiss implant generation and immediate loading concept

Based on the concept of osseointegration, implant therapy became a scientifically accepted treatment modality, which provides a success rate of more than 90% after 10 years of follow up.

However, in some conditions when we have a healthy cooperative patient, clinically having enough 3-dimensional bone, optimal soft tissue, favorable intermaxillary space, immediate loading with temporary fixed partial denture, or even single tooth restoration, is possible, and overall survival rates for such type of immediate loading procedures are similar after 10 years of function to the normal delayed type of loading 2–4 months after implant placement.

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In this lecture I will summarize, based on scientific evidence, the advantages of those features to optimize the success of immediate loading procedures.

Risk Assessment of Dental Implant

Many factors lead to implant failure, during treatment or late complications after the treatment. Some of these factors are related to our patients, or Implant System applied, or to the clinicians using these implants. In this lecture I will summarize the risk of using Dental Implant as treatment option in daily practice, how to avoid early failure and minimize late complication.

Implant complications and treatment options

Osseointegrated implants are subject to mechanical, and biological complication, or a combination of both. Or complete failures. Most mechanical complications are system related depending on the implant design, and abutment components. Clinical research and many reports have proven that overloading of implants may lead to superstructure complications, or loss of osseointegration. Meanwhile, most of the implants are subject to biological complications, caused by biofilms, and bacterial challenges, when plaque is allowed to accumulate for prolonged periods of time around those implants. Experimental research has demonstrated that “mucositis” may develop in to “peri-implantitis” affecting the peri-implant supporting bone circumferentially, although the bony support may be lost coronally. Bleeding on probing, probing depth, and radiographic interpretation of conventional or subtraction radiographs may help to classify the diagnosis of failures, and a very strict recall visit to apply a maintenance system termed “Cumulative Interceptive Supportive Therapy” has been proposed to solve these biological complications. (Ref: Prof. N. Lang Department of Periodontology and fixed Prosthodontics, Berne University, Switzerland.) In this lecture I will summarize, based on scientific evidence, the treatment options of these complications.

Dr. Nahi Jabbour DDS, MDS, Education Manager Star Science International, Switzerland, Head of Clinical Research and Business Developments, e-mail: nahi.jabbour@bluewin.ch

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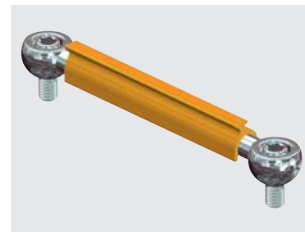
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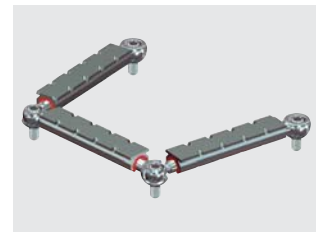
Measuring of exact length of tube bar



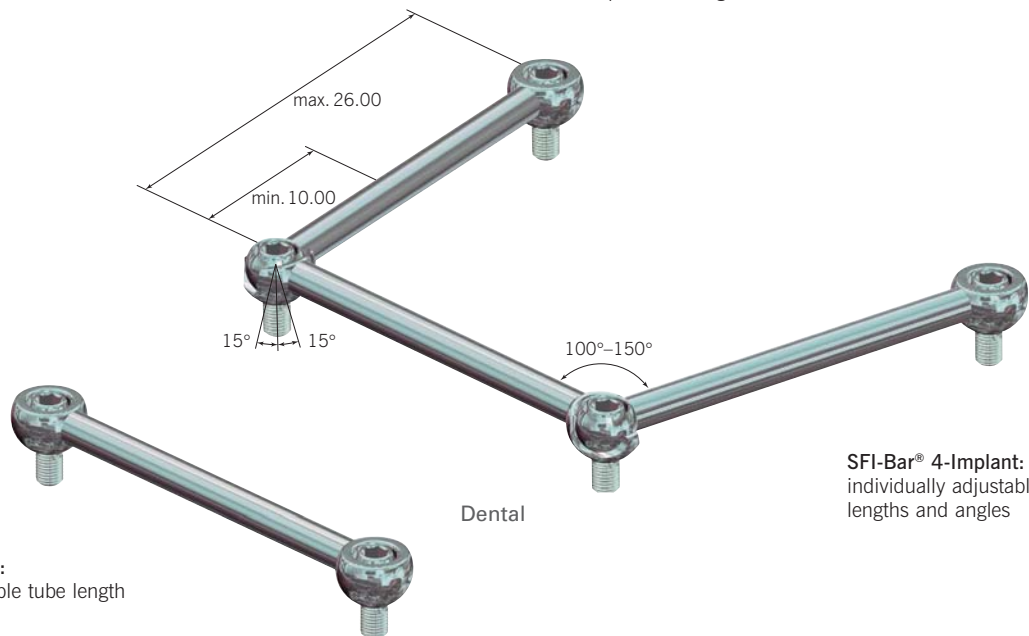
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Course fee: CHF 3,000 (including 3 workshops)

Deadline for registration 29 May 2012.

Fee for course registration and hotel accommodation: CHF 3,800 (including 3 workshops. See in program)

Hotel accommodation fees, including: transportation from airport to the hotel, and back to the airport, room rate including: breakfast, coffee breaks, dinners, and gala dinner party on Thursday 5 July 2012. Drinks and phone calls are not included in room rate.

Important note: Invitation letter, course registration and hotel booking will be done after receiving your payment. (copy of bank transfer) Refund of paid amount can only be done by reject of visa request (with proof of the Embassy) or in case of illness/accident (with stamped doctor's attest) less CHF 100 for administration fees.

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Number of family persons _____ (Not attending the course: wife or companion)
Age _____

Last name: _____ Adult _____

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Name of child: _____ Age: _____

Name of child: _____ Age: _____

Name of child: _____ Age: _____

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Deadline for registration 29 May 2012

For each person

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1. Registration Written applications by way of the fax/postal form or online are deemed binding and must be filed at the latest by before deadline. Consideration is given to applications in the order in which they are received. A legally valid contract shall only be brought about following confirmation of the application. The respective amount is to be settled without trade discounts or reductions (free of expenses for the recipient).

We reserve the right to amend the program. Verbal subsidiary agreements are not valid if they have not been confirmed in writing. All General Terms and Conditions are accepted once a party files an application to participate in the course.

2. Security and implementation regulations Upon registering for the course, participants acknowledge organizer's security, access and other implementation regulations and take note that if participants do not abide by these regulations or the instructions issued by the promoters on site they may be excluded from the event without any entitlement to compensation.

3. Postponing the event If the event is postponed, tickets shall automatically be valid for the event reschedule date. Participants may neither return nor exchange tickets.

4. Cancellation of event If the event is cancelled, participants may return tickets to the organizer office within 30 days following cancellation of the event. In such cases, amounts paid in advance for tickets shall be reimbursed in full.

5. Stopping the event If the event needs to be stopped due to external factors such as fire, water or other environmental factors, the entrance fee cannot be reimbursed. The same applies if the event needs to be stopped due to demonstrations, violence or threats by third parties.

6. Cancellation policy All cancellations must be notified in writing (by mail or fax) to the congress office according to the following conditions:

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All refunds will be issued after the congress. Requests will not be accepted after 31 October 2012.

These conditions shall also apply if participants are prevented from attending the symposium due to illness, accidents, or for similar reasons. In such cases notification of rescission is to be given by post (to Star Science International GmbH, Jupiterstrasse 57, CH-3015 Bern, Switzerland, Tel. 0041 31 941 07 31, Fax 0041 31 941 07 33, E-mail: star.science@bluewin.ch).

The date on which notification is received shall be deemed authoritative in respect of determining an entitlement to reimbursement.

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Otherwise, participants shall forfeit claims in full.

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Star Science International GmbH
Jupiterstrasse 57
CH-3015 Bern, Switzerland
Phone +41 31 941 07 31/32
Fax +41 31 941 07 33
+41 31 941 31 51
star.science@bluewin.ch

Star Science
International GmbH

Gold Sponsor

Headquarters
Thommen Medical AG
Hauptstrasse 26d
CH-4437 Waldenburg, Switzerland
Phone +41 (0)61 965 90 20
Fax +41 (0)61 965 90 21
info@thommenmedical.com
www.thommenmedical.com



Cendres+Métaux SA
Rue de Boujean 122
CH-2501 Biel/Bienne, Switzerland
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Kuwait

Advanced Technology Company K.S.C
Dental Department
Phone +965 22 47 240
Fax +965 57 11 76 1
Dr. Mohammed Akar
Mobile +965 66 38 88 40
akar@atc.com.kw
Mr. Ali Hassouna
Mobile +965 66 33 44 30
ali@atc.com.kw

Lebanon

Star Science Lebanon S.A.L
Gema center, 3rd Floor, Dbayeh Highway,
Beirut, Lebanon
Phone/Fax +961 4 54 34 96
Mr. Jean Paul Hage
Mobile +961 3 10 12 11
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Oman

Al Mazroui Medical & Chemical Supplies
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Sultanate of Oman, Muscat
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khaldoun@almaz.com.om

Qatar

Sharq Medical Supply
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Doha, Qatar
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Thommen Medical AG
Hauptstrasse 26d
4437 Waldenburg | Switzerland
Tel. +41 61 965 90 20
Fax +41 61 965 90 21
info@thommenmedical.com

Subsidiaries/National Distributors

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Thommen Medical Austria GmbH
Technologiezentrum Neusiedl
Ludwig Boltzmann Straße 2
7100 Neusiedl am See | Austria
Tel. +43 5 9010 29230
Fax +43 5 9010 29231
info@thommenmedical.at

Benelux

Thommen Medical Benelux B.V.
Edisonweg 17B | 3404 LB IJsselstein
Postbus 430
3400 AK IJsselstein | Netherlands
Tel. +31 30 68 68 468
Fax +31 30 68 68 469
info.benelux@thommenmedical.com

Canada

Thommen Medical Canada Inc.
1100 Burloak Dr. | Suite 300
Burlington, ON L7L 6B2 | Canada
Tel. +1 (905) 336-8966
+1-877-242-6012 (North America)
Fax +1 (905) 332-3007
+1-877-242-6013 (North America)
info@thommenmedical.ca

China

Weihai WeGo Jericom Biomaterials Co., Ltd.
20 Xingshan Road | Torch High-tech Zone
Weihai Shandong 264210 | China
Tel. +86-631-5716545
Fax +86-631-5716221

France

Thommen Medical France
10 avenue Gabriel Pierné
77680 Roissy-en-Brie | France
Tel. +33 1 83 64 06 35
Fax +33 3 89 33 52 53
infos@thommenmedical.fr

Germany

Thommen Medical Deutschland GmbH
Am Rathaus 2
79576 Weil am Rhein | Germany
Tel. +49 7621-4 22 58 30
Fax +49 7621-4 22 58 41
info@thommenmedical.de

Italy

Dental Trey S.r.l.
Via Partisani, 3
47016 Fiumana | Predappio (FC) | Italy
Tel. +39 0543 929111
Fax +39 0543 940659
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Japan

J. Morita Corporation
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Middle East

Star Science International GmbH
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Singapore

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Switzerland

Thommen Medical (Schweiz) AG
Postfach 1160 | Neckarsulmstrasse 28
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Tel. +41 32 644 30 20
Fax +41 32 644 30 25
info@thommenmedical.ch

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Thommen Medical USA L.L.C.
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