Master Course in Advanced Reconstructive Dentistry Using Dental Implants

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

from 1–8 July 2011 Thun, Switzerland
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Preface

Dear Colleagues,

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

It is a great pleasure to announce the 4th Advanced Dental Implantology Master course in Thun, Switzerland from 1-8 July 2011. This Course program is designed in English language, especially for international Dentists and Specialists from all over the world, who would like to update 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, Bern, Geneva, Zurich, of Switzerland and King Saud University of Saudi Arabia, will gather during this week, to present selection of lectures, and clinical demonstrations including live Video presentations. The course will include three workshops about the surgical, prosthetic, and advanced surgical procedures and sinus lift augmentation techniques, also will discuss several important issues in implantology like esthetic aspects, CAD CAM technology, and treatment of peri-implant complications. I am very sure that you will enjoy the romantic atmosphere at the Seepark Hotel in Thun, in a lovely touristic city, and during your stay you will have the chance to participate in many social activities.

Join us to the celebration of the birth in 2011 of the Swiss International Academy of Osseo-integration and Maxillofacial Research. I have established this Academy as a non-profitable foundation to promote science and research, to support education in these important fields: implantology, Periodontology, oral surgery, prosthodontics and maxillofacial surgery. Join us to learn more how to improve your clinical practice and to enjoy unforgettable week in Switzerland.

Chairman and Course Director

Dr. Nahi Jabbour
Program Information

Scientific Committee

- Dr. med. dent. Ueli Grunder, Private Practice Zollikon
- Prof. Dr. med. dent. Regina Mericske-Stem (Program Chairman) Bern 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

- Early registration (before 31 March 2011) CHF 2,500
- Late registration (after 31 March 2011) CHF 3,000
- Hotel accommodation: early registration (before 31 March 2011) CHF 3,500 (please check details on the registration forms)
- Hotel accommodation: late registration (after 31 March 2011 until 31 May) CHF 4,000 (please check details on the registration forms)

Deadline for registration: 31 May 2011
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 of Thommen Implant System including planning
  2. Prosthetic procedures of Thommen Implant System
  3. Sinus grafting and lateral ridge augmentation, and treatment of perio-furcation involvement and infra-bony defect around teeth
Aim of the Course

This Program presents a five days course in advanced reconstructive dentistry using dental implant. The course contains sequences of lectures, clinical demonstrations and extensive hands-on participations in diagnostic, surgical and prosthetic procedures of dental implants.

• First day of the course: we will enjoy a high level presentation from our guest speakers, Dr. Ueli Grunder and Dr. Konrad H. Meyenberg. They will discuss the guide-line of implant placement in esthetic zone and the effect of the Implant Design to optimize Esthetic results.

• Second day: is planned to present introduction about dental Implant history and osseointegration, in-depth approach to treatment planning, diagnosis and surgical procedures for the placement of end-osseous dental implants and how to optimize esthetic in implant dentistry.

• Third day: restorative and prosthetic implant procedures for successful completion of treatment. Also, we discuss the option of immediate implant placement versus delayed implant placement, immediate loading and the (CAD-CAM technologies titanium and zirconia).

• Fourth day: 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, we shall 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

Are setting up comprehensive treatment plans and competent application of oral implants.
Contents

Comprehensive Certification Program in Advanced Reconstructive Dentistry Using Dental Implants

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

Pictures by courtesy of: Dr. Nahi Jabbour DDS, MDS
Vertical ridge augmentation lateral and horizontal ridge augmentation

Immediate Loading: When? Risk and success!

1. X-ray for 38 year old patient lost teeth 31 41
2. Clinical presenting defect type 4
3. Flap elevation showing class 4 defect Bone atrophy severe defect on bone crest
4. Deprotinized bovine Bone Block (Geistlich Pharma) cut in slices one piece lingual and buccal cortical bone perforation
5. Second large piece of DB block placed facially to correct the defect
6. The block covered with fine Bio Oss granules
7. Covering with collagen membrane double layer
8. Suture
Vertical ridge augmentation lateral and horizontal ridge augmentation

Immediate Loading: When? Risk and success!

9. and 10.
six months after healing, one year waiting for healing is recommended, then punch tech, to insert two Thommen Medical Implant into root shape platform 4 mm SPI®CONTACT implant

11. and 12.
Immediate impression to fabricate 3 units bridge for temporary loading same day of implants insertion

13. and 14.
X-Ray follow up one year after the final reconstruction with 3 units bridge supported by two Thommen Medical Implants, please note the amount of new calcified bone in picture 14.

Pictures by courtesy of:
Dr. Nahi Jabbour DDS, MDS
Optimal aesthetics with oral implants

One key factor for success in implant reconstructions is to know the prosthetic possibilities while doing surgical procedures, since most of the deviation from the ideal procedure cannot be corrected later on. Appropriate bone and soft tissue engineering enhances the aesthetic performance of long-lasting restora-
tions that blend in perfectly and emerge from the perimplant sulcus in harmony with the neighbouring teeth. A three-dimensional approach is the key factor for success.

Pictures by courtesy of:
Dr. med. dent. Ueli Grunder
Current Trend in Esthetic Dentistry

Delayed implant placement

1. Right central incisor with ankylosis and root resorption
2. Implant placement after ridge reconstruction
3. Initial radiograph
4. Final result with ZrO₂-abutment and all-ceramic crown
5. Final radiograph

Pictures by courtesy of:
Dr. Konrad Meyenberg, private practice, Zurich, Switzerland
Dr. Marco Imoberdorf, private practice, Zurich, Switzerland
Walter Gebhard, dental technician, Zurich, Switzerland
Full ceramic restorations with zirconia.

Implant rehabilitation with sinus floor elevation left and bone splitting in mandible.

1. Treatment planning
2. and 3. Before treatment
4. After treatment
5. and 6. After Treatment
7. and 8. After treatment
9. After treatment

Pictures by courtesy of: Prof. Dr. med. dent Regina Mericske-Stern
Compromised site twenty years after tooth replantation

Severely resorbed central incisor with compromised mucosa 20 years after tooth replantation, 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.
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.

Pictures by courtesy of:
Dr. med. dent. Rino Burkhardt
Speakers

• Dr. med. dent. Ueli Grunder
  Senior Lecturer at the University of Zürich, Master Degree from the Medical Faculty of the University of Zürich (MSD in Prosthodontics), past president of the Swiss Society of Implant Oral Implantology (SSOI) and Past-President of the European Academy of Esthetic Dentistry (EAED)

• Dr. med. dent. Konrad H. Meyenberg
  Senior lecturer at the University of Zurich, Dental Schools, and the University of Berne

• 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. 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

• Dr. Khalid Al-Hezaimi
  Chairman, Growth factors and bone regeneration research Assistant Professor, Periodontology division, College of Dentistry King Saud University, Riyadh, 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
Private practice, Zurich, Switzerland
Dr. med. dent. Ueli Grunder

Dr. Ueli Grunder received his DMD degree from the University of Zürich, Switzerland, in 1982. His post-graduate education in advanced fixed Prosthodontics also came from the University of Zürich. He maintains a private practice since 1989 in Zollikon-Zürich together with Dr. Gaberthüel and has published numerous papers and extensively lectured nationally and internationally on the surgical and prosthetic aspects of implant dentistry. He is Senior Lecturer at the University of Zürich since 1987. Dr. Grunder is Past-President of the Swiss Society of Oral Implantology (SSOI) and Past-President of the European Academy of Esthetic Dentistry (EAED).

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 Schärer). 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-prosthetics, adhesive dentistry, esthetic prosthodontics and implant dentistry. 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.
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.

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 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 honorary associate professor at the University of Hong Kong. He has published several articles, reviews and book chapters (one 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.

Chairman, Assistant Professor, King Saud University, Riyadh, Saudi Arabia
Dr. Khalid Al-Hezaimi

BDS graduated on 2005-2008 Tufts School of Dental Medicine and from 2001-2003 he completed Endodontic Certificate at the Dental School, University of Southern California.
Present title Endodontist/Periodontist, Fellow, Royal College of Dentist in Canada
Diplomate, American Board of Periodontology. Chairman, Growth factors and bone regeneration research, Assistant Professor, King Saud University, Dental School
Periodontology department, Riyadh, Saudi Arabia. Adjunct Clinical Professor, Endodontic graduate program, School of Dentistry, University of Southern California, Los Angeles, CA, USA
Adjunct Clinical Assistant Professor, Periodontology graduate program, School of Dental Medicine, Tufts University, Boston, MA, USA

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.
Program

Arrival

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

First day

08:30–09:00 Introduction (welcome to Switzerland and social activities program)
09:00–10:30 1st topic:
   Optimal aesthetics with oral implants part 1
   Speaker: Dr. med. dent. Ueli Grunder
10:30–11:00 Coffee Break
11:00–12:30 2nd topic:
   Optimal aesthetics with oral implants part 2
   Speaker: Dr. med. dent. Ueli Grunder
12:30–16:00 Lunch Break
16:00–17:30 1st topic:
   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?
   Speaker: Dr. med. dent. Konrad H. Meyenberg
17:30–18:00 Coffee Break
18:00–19:30 2nd topic:
   Optimal soft-tissue aesthetics around implants –
   current concepts & controversies – 2nd part
   followed by
   Tools & techniques in fixed prosthodontics
   Main question: What is the best way to reconstruct in an efficient and predictable way?
   Speaker: Dr. med. dent. Konrad H. Meyenberg
19:30–20:00 Open Discussion
20:30 Dinner at Hotel Restaurant Seepark
Second day

Sunday 3 July 2011

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

Third day

Monday 4 July 2011

08:30-09:00  Case presentation and overview to all the indications on the Thommen Implant System, questions, discussion
Speaker: Prof. Dr. med. dent. Regina Mericske-Stern

09:00-10:30  1st topic:
Immediate implant placement in extraction sockets: advantages or risks?
Speaker: Prof. Dr. med. dent. Regina Mericske-Stern

10:30-11:00  Coffee Break

11:00-12:30  2nd topic:
Implant rehabilitation concepts for the edentulous maxilla:
Planning and surgery, prosthetic design, including titanium and zirconium
Speaker: Prof. Dr. med. dent. Regina Mericske-Stern

12:30-16:00  Lunch Break

16:00-17:30  Surgical aspects
Speaker: Dr. Nahi Jabbour

17:30-18:00  Coffee Break

18:00-19:00  Hands-on training surgical procedure
Speakers: Dr. Nahi Jabbour and Mr. Christian Rähle

19:00-19:30  Case presentation and overview to all the indications on the Thommen Implant System
Prof. Dr. med. dent. Regina Mericske-Stem or Dr. Nahi Jabbour

20:30  Dinner at Hotel Restaurant Seepark
Fourth day

08:30–09:00 Case presentation solution, discussion
   Speaker: Dr. Nahi Jabbour

09:00–10:30 Human Factors and Technical Factors influencing the outcome in periodontal Surgery
   Speaker: Dr. med. dent. Rino Burkhardt

10:30–11:00 Coffee Break

11:00–12:30 The Influence of the Masticatory Mucosa on Functional and Esthetic Results of Implant Restorations
   Speaker: Dr. med. dent. Rino Burkhardt

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
   Speaker: Dr. Nahi Jabbour

17:30–18:00 Coffee Break

18:00–19:30 Hands on Training Prosthetic Procedures
   Speakers: Dr. Nahi Jabbour & Mr. Cristian Rähle

19:30–20:00 Case Presentation by Dr. Nahi Jabbour

20:30 Dinner at Hotel Restaurant Seepark

Fifth day

08:30–09:00 Case Presentation, solution, discussion
   Speaker: Dr. Nahi Jabbour

09:00–10:30 Bone deficiency Treatment options Atrophic Mandible
   Bone Augmentation procedures, Methods of Bone harvesting
   Treatment in posterior Maxilla (Sinus elevation, Osteotome, lateral window)
   Part 1
   Speaker: Prof. Dr. med. dent. Jean-Pierre Bernard

10:30–11:00 Coffee Break
11:00–12:30 Bone deficiency Treatment options Atrophic Mandible... part 2
   Speaker: Prof. Dr. med. dent. Jean-Pierre Bernard

12:30–16:00 Lunch Break

16:00–17:30 The use of Bone substitute
   Speaker: Dr. Nahi Jabbour

17:30–18:00 Coffee Break

18:00–19:30 Hands on Training Workshop (practice on the models)
   Speakers: Dr. Nahi Jabbour & Mr. Christian Rähle

19:30–20:00 Discussion, Case Presentation by Dr. Nahi Jabbour

20:30 Dinner at Hotel Restaurant Seepark

Sixth day

08:30–09:00 Case presentation, solution, discussion
   Speaker: Dr. Nahi Jabbour

09:00–10:30 Installation of dental implants: When is the right time?
   Speaker: Dr. Khalid Al-Hezaimi

10:30–11:00 Coffee Break

11:00–12:30 Topics:
   Dental implant complication and treatment options
   Speaker: Dr. Nahi Jabbour

12:30–17:00 Visit to the production facility of Thommen Medical

19:00–23:00 Star Science surprise night
   Snack and Apéro in a boat trip on the lake of Thun, including Gala Dinner Party and Certification

Seventh day

Depature to Zurich by bus/or individually
Optimal aesthetics with oral implants

To place implants has become a routine procedure, and results can be achieved with high predictability. The most challenging field is still the aesthetic zone. Because of the variety of treatment options available today, the analysis of the case and treatment planning have become an even more important treatment step. One key factor for success in implant reconstructions is to know the prosthetic possibilities while doing surgical procedures, since most of the deviation from the ideal procedure cannot be corrected later on.

Appropriate bone and soft tissue engineering enhances the aesthetic performance of long-lasting restorations that blend in perfectly and emerge from the perimplant sulcus in harmony with the neighbouring teeth. A three-dimensional approach is the key factor for success.

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

- Understand the need for augmentation procedure in various situations
- Know the different techniques and the biological limits of augmentation procedures (bone and soft tissue)
- Create harmonic soft tissue margins including nice papilla
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 aesthetics. 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 aesthetics 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 aesthetically really superior to other abutment materials?
Is the surgical challenge reduced and the predictability of aesthetics 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 aesthetic 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

Optimal soft tissue aesthetics around implants – current concepts & controversies –
2nd part

The reconstruction with implant-supported crowns and bridges are well established treatment modalities in private practices since many years. The survival and success rates are well documented and underline a good long-term prognosis. But the mentioned data are mainly based on biological and functional criteria. Driven by an increased tooth-consciousness of our patients, the aesthetic outcome has become more and more important.

It’s the aim of this lecture to analyze the risk factors in planning and treatment phase which can negatively influence the aesthetic outcome of implant treatments. Additionally, typically failures in the aesthetic zone will be critically discussed and a strategy how to resolve these problems will be demonstrated.
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?
Bone modeling and remodeling occurs following tooth extraction. Though several theories have been proposed for the occurrence of bone loss during the remodeling process; the primary reason for this loss is yet to be determined. Some questions that remain debatable include: a) Is buccal bone composed of bundle bone? b) Will immediate implant placement reduce the bone remodeling? And c) Is there any difference in bone modeling following single versus contiguous teeth extraction?

Clinical and experimental studies have demonstrated that a successful osseointegration and clinical ridge fixation may be achieved with immediate implant placement. An important benefit is that the treatment time is reduced compared to conventional implant placement protocols. However, recent studies demonstrated that immediate implant placement may jeopardize the final esthetic outcomes if certain prerequisites (such as???) are not followed. Based on the interdental blood supply, an Extraction Socket Classification has been developed to help clinician in predicting the buccal bone loss following extraction in a single Vs. contiguous teeth extraction. In this course, the attendee will learn:

• Bone remodeling following tooth extraction
• Buccal bone theory
• Extraction socket classification
• I identify in which situation immediate placement maybe indicated or if staging approach is the ultimate choice.
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.

The new generation of the Thommen Implant System has already improved:

- the surface tomography to enhance early bone formation (bioactive surface)
- the drilling instruments to have a very precise non traumatic implant bed preparation
- the implant design with special cutting tread and self-taping apex to improve the primary stability
- the prosthetic components, to be easy, more precise, and low risk of technical failure on long-term function.

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
The new kit for success.

Geistlich Combi-Kit Collagen – the best kit for successful and predictable results in ridge preservation and minor augmentations.

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combined in Geistlich Combi-Kit Collagen
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The fully prefabricated titanium parts require no critical procedures like casting, soldering, laser welding or milling. Highly sophisticated parts and instruments allow safe and easy processing with saving in time and reduction in costs.

Due to the telescopic design of the bar joints no lateral stress is applied to the implants. The risk of implant failure is therefore significantly reduced.

Online platform www.sfi-bar.com
- Compatibility with implant systems
- Step-by-step animation
- University of Bern, clinical case video

- Technical information
- Instructions for use
- Scientific and clinical publications
Registration Form

Advanced continuing education course in implant dentistry
1–8 July 2011, Course No. 004

Participant
Mrs. □ Mr. □

Title
Prof. □ Dr. □

Specialization
General Practitioner □ Prosthodontist □
Oral Surgeon □ Periodontist □

Last name:

First name:

Address/street:

Zip code: City:

Country:

Phone:

Fax:

E-mail:

Registration
Course fee: 2,500 till 31 March 2011/after 31 March till 31 May 2011 course fee: CHF 3,000.
Deadline for registration 31 May 2011.
Hotel accommodation: CHF 3,500 till 31 March 2011/after 31 March till 31 May 2011 CHF 4,000.
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 7 July 2011.
Drinks and Phone Calls are not included in room rate.

Total amount paid: Swiss francs
I herewith accept the terms of this agreement, payment made to the account:
16 9. 394. 462. 04 Universalkonto in Swiss francs

Education and implant program
Bank name: Valiant Bank, Gümligen BE
Address: Füllerichstrasse 53/CH-3073 Gümligen, Switzerland
Swift code: VABECH22XXX/IBAN: CH 39 0630 0016 9394 4620 4

Place and date: Signature:

Please mail or fax this form to
Star Science International GmbH | Jupiterstrasse 57 | CH-3015 Bern, Switzerland
Tel. 0041 31 941 07 31 | fax 0041 31 941 07 33 | star.science@bluewin.ch
Registration Form for Companion

Advanced continuing education course in implant dentistry
1–8 July 2011, Course No. 004

Participant
☐ Mrs. ☐ Mr.

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

Age

Last name: Adult

First name:

Name of child: Age:

Name of child: Age:

Name of child: Age:

Other companions:

Total amount:

Registration
Deadline for registration 31 May 2011

For each person
Hotel accommodation: till 31 May 2011 CHF 1,500.
Hotel accommodation fees, including: transportation from airport to the hotel, and back to the airport, room rate including: breakfast, coffee breaks, dinners, and galadinner party on Thursday 7 July 2011.
Drinks and Phone Calls are not included in room rate.

I herewith accept the terms of this agreement, payment made to the account:
16 9. 394. 462. 04 Universalkonto in Swiss francs

Education and implant program

Bank name: Valiant Bank, Gümligen BE
Address: Füllerichstrasse 53/CH-3073 Gümligen, Switzerland
Swift code: VABECH22XXX/IBAN: CH 39 0630 0016 9394 4620 4

Place and date: Signature:

Please mail or fax this form to
Star Science International GmbH | Jupiterstrasse 57 | CH-3015 Bern, Switzerland
Tel. 0041 31 941 07 31 | fax 0041 31 941 07 33 | star.science@bluewin.ch
Registration Form for Workshop

Advanced continuing education course in implant dentistry
1–8 July 2011, Course No. 004

<table>
<thead>
<tr>
<th>Participant</th>
<th>Mrs.</th>
<th>Mr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td>Prof.</td>
<td>Dr.</td>
</tr>
<tr>
<td>Specialization</td>
<td>General Practitioner</td>
<td>Prosthodontist</td>
</tr>
<tr>
<td></td>
<td>Oral Surgeon</td>
<td>Periodontist</td>
</tr>
</tbody>
</table>

Last name: ____________________________
First name: ___________________________
Address/street: ____________________________
Zip code: ________ City: ____________________________
Country: ____________________________
Phone: ____________________________
Fax: ____________________________
E-mail: ____________________________

Registration

Course fee Surgical Procedures: CHF 100
Mark here Surgical:

Course fee Prosthetic Procedures: CHF 100
Mark here Prosthetic:

Total amount paid in Swiss francs
Total amount CHF:

Deadline 31 May 2011
I herewith accept the terms of this agreement, payment made to the account:
16 9. 394. 462. 04 Universalkonto in Swiss francs

Education and implant program
Bank name: Valiant Bank, Gümligen BE
Address: Füllerichstrasse 53/CH-3073 Gümligen, Switzerland
Swift code: VABECH22XXX/IBAN: CH 39 0630 0016 9394 4620 4

Place and date: ____________________________
Signature: ____________________________

Please mail or fax this form to
Star Science International GmbH | Jupiterstrasse 57 | CH-3015 Bern, Switzerland
Tel. 0041 31 941 07 31 | fax 0041 31 941 07 33 | star.science@bluewin.ch
General Terms of Business

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:

- Before 31 March: Total amount will be refunded less CHF 100 for administrative fees. With no payment received before cancellation, these CHF 100 will still remain due.
- Between 31 March and 31 May: Reimbursement of 50% of the fees paid. With no payment received before cancellation, this amount will still remain due.
- After 31 May: No refund. With no payment received before that date, the total amount will still remain due.

All refunds will be issued after the congress. Requests will not be accepted after 31 October 2011.

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.

7. Exemption from liability The liability on the part of organizers for direct and indirect damage as well as consequential damage that participants sustain in conjunction with the organization and implementation of an event shall be eliminated by way of agreement insofar as such action is legally permissible. In particular, Star Science International GmbH shall only be liable for damage or consequential damage that is caused by event cancellations or inappropriate organization. Insurance coverage for personal and material damage is the participant’s responsibility. In any case, liability for all contractual, tortious or other claims is limited to the event participation fee. Any kind of further-reaching damage shall not be compensated. Any claims for damages or other claims on the part of the participant for provision of an amount of money shall fall under the statute of limitations within one year from the time at which they are lodged. To safeguard such claims, participants are required to lodge claims in court within 90 days with effect from the date on which they occurred. Otherwise, participants shall forfeit claims in full.

8. Data protection Organizer attaches great importance to data protection. Personal data are therefore treated in strict confidence. The details provided by participants shall not be forwarded to third parties and shall only be used to stage an event (including lists of participants with names, companies and locations). However, the organizer reserves the right to use such data for its own advertising purposes or at the request of sponsors and supporters to forward such data to such parties for one-off use in conjunction with the sponsored event. If expressly requested by participants, organizer will, of course, refrain from such action if participants inform organizer accordingly in writing without delay following registration.

9. Applicable law and place of jurisdiction Swiss law applies to the contractual relationship and all disputes between participants and organizer Star Science International GmbH. The ordinary court of law with jurisdiction for the location in which Star Science International GmbH has its registered office (Bern, Switzerland) is hereby deemed the sole pertinent court in respect of all contractual, tortuous or other claims.
Organization

Organizer

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

Gold Sponsor

Headquarters
Thommen Medical AG
Hauptstrasse 26d
CH-4437 Waldenburg, Switzerland
Phone +41 (0)61 965 90 20
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CH-2501 Biel/Bienne, Switzerland
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Fax +41 32 344 22 12
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Abdulrehman Algosaibi – G.T.C.
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Fax +966 1 477 13 74
Dr. Faris Lallo
Mobile +966 508 98 0514
dental@aralgosaibico.com

**United Arab Emirates**

City Pharmacy Company
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Phone +971 2 673 24 54
Fax +971 2 632 30 16
ismailma1975@hotmail.com
Sharjah Dr. Yamen El Haddad
Mobile +971 50 58 09 700
dr_elhaddad@hotmail.com

**Oman**

Al Mazroui Medical & Chemical Supplies
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Sultanate of Oman, Muscat
Phone 00968 245 95 670/24594 644
Fax 00968 245 94 525
Mr. Khaldoun Ousfera
Mobile +968 925 92 366
khaldoun@almaz.com.om

**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

**Iran**

Mr. Mehdi Gholami
Managing Director of Bone Taj Pars
App.12,No.1/1, Sharifi Lane, Behrooz St.,
Mohseni Sq.,
Mirdamad Blvd., Tehran 1911935871, Iran
Phone +98 21 22224729
Fax +98 21 22272943
info@bonetaj.com
gholami_mehdi@yahoo.com

**Syria**

Salloum Dental Supply
P.O. Box 35124 Damascus, Syria
Phone 00963 11 224 87 72
Fax 00963 11 446 88 386
psalloum@scs-net.org

**Lebanon**

Star Science Lebanon S.A.L
Gema center, 3rd Floor, Dbayeh Highway, Beirut,
Lebanon
Phone/fax 00961 4 54 34 96
Mr. Jean Paul Hage
Mobile 00961 3 10 12 11
starsciencelb@gmail.com

**Qatar**

Sharq Medical Supply
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