NMMJ GOLD

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Program Day 1

Implant Dentistry: Designing a new organ in the Digital Era

- Designing a new organ: The New Paradigm and Implant Dentistry as Bio-Engineering
- Implant Components, Tissue and Bacteria: the handbook for a happy symbiosis
- Teeth and Implants, friends or rivals?
- Why design matters: A blueprint to avoid the most common mistakes and complications

The digital transformation has evolved the paradigms of implant Dentistry, from placing an osseointegrated screw to actually designing a whole new organ in full detail. The previously fragmented workflow can now be planned from start thanks to Digital technology.

Depending greatly on our designs, Implants, Components, Tissue and Bacteria will work together to secure lasting success or could work against us to create problems. Using research to understand the impact of our decisions, we will discuss how to choose the right componentry and design successful implant therapy.

Treatment Plan: The pathway to Clinical Success

- Treatment Philosophy: Our Mission, Strategy and Workflow
- Compiling all steps of the way and why going digital matters
- Computer Assisted Implant Surgery: Is it something for you?
- Assessing Risks every step of the way: Straightforward, Advanced, Complex

"Begin with the end in mind" has been a treatment planing philosophy, art and science concept that is more actual than ever in the time of the digital workflow. Deficient planning is causing more problems than deficient execution.
Learn why you need and mission statement and how to define yours. We will show you how to envision the treatment Endpoints, then embed them in the comprehensive treatment needs and devise a step by step strategy together with the patient. We will discuss digital tools and devices such as guided surgery and see when they can make your treatment more efficient - and when not.

Understanding Implant Prosthodontics

- Main principles of component selection and Prosthodontic Design
- Prosthodontic components, the "perfect" fit and why does it matter
- Strategies and techniques to assess fit and condition of all components
- Understanding the role of the abutment and why our choice matters
- The abutments role in perfect fit?

Implant Prosthodontics is a fine art and a very precise science. The fundamental principles are spread in thousands of different components and designs. How to make sense of all designs and choose the best for your purpose? Or when do you have to design your own maybe? We will help you understand the fundamental principles of implant prosthodontics and help you see which critical components you need each time to reach an optimal treatment with the best chances for long term success

Prosthodontics for long term success

- How the prosthodontic choices affects the clinical outcomes?
- Using prosthodontics to influence soft-tissue aesthetics and health.
- How to design the restorative components so as to reduce problems and complications?
- How to modify restorative design when complications occur?

The implant prosthesis and the peri-implant tissue are two sides of the same coin: you can't have one without the other. The prosthesis itself is one of the most certain ways to influence the morphology and health of the peri-implant tissue. Learn the principles of this sensitive relation and use them to your advantage in order to get healthy and aesthetic peri-implant tissue.

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Program Day 2

Implant Challenges and Decision Making

- Aesthetic Zone and Tissue Augmentations	The aesthetic zone is not only a location of challenging anatomy but also requires treatment with high aesthetic outcomes. Multiple protocols and techniques have been proposed for aesthetic zone implants from immediacy to ridge preservation and early or late placement. On top of that, soft and hard tissue augmentations are proposed with multiple techniques. Dissecting the evidence, we will discuss the critical factors for deciding the optimal individual treatment plan for each case and we will review the most common techniques with their potential and limitations.
- Essential Aesthetics, white and Pink	
- Immediate Implants	
- Ridge Preservation	
- Early Implants with Guided Bone Regeneration	
- White esthetics Biometry, communication (deep placement)	
- Assessing Risk in the aesthetic zone	

Success and failure in the eyes of the patient

- Defining patient's understanding of Success and Failure	Success and failure from a patient's perspective does not always follow the criteria we use as clinicians. Psychological traits and patents' own understanding, perceptions and expectations can interfere with implant therapy and to a large extent co-determine the satisfaction from the treatment outcomes. Using the evidence we will discuss how to assess patients' needs and psychological traits and factor them in our treatment and communication strategy for successful treatments and happy patients
- Psychological traits and satisfaction with implant treatment	
- Understanding Patients' expectations and how they can influence treatment outcomes	
- Effective Communication Strategies for clinical and patient defined success	

Complications: Biology, Technology and Maintaining Health

- Understanding Complications: Biotechnical interaction - Suspecting trouble? where to look for the early signs of problems - Inflammation: Mucositis and Peri-implantitis - Hardware Complications	Complications in the short or longer term are not rare. Interestingly, biological and technical complications are often connected and the true cause of the problem are not always easy to identify. In this section we will discuss how biological and technical factors interrelate to give rise to complications and how sound design principles can help prevent many of them. We will then discuss ways to see early warning signs and act accordingly. Finally, we will present the current protocols to manage most common complications, when prevention has not worked
- Designing the perfect maintenance programme for the individual patient - The maintenance checklist: what, to whom and when! - The essential clinical examinations: what to look for and how - The essential radiography for implant patients: what and how - Decision making and action plan for maintenance	Maintenance for the implant patient is a lifetime engagement, but it can be very different for every individual. Depending on patient and prosthesis factors, maintenance schemes can vary a lot, not only in frequency but also in procedures and examinations. In this section we will review the most important elements of maintenance and we will learn how to combine them for an optimal, individual maintenance scheme
- Summing up, Discussion and take home messages!	In the end, time is reserved to allow more detailed discussion of themes which emerged during the course or questions the participants have brought up