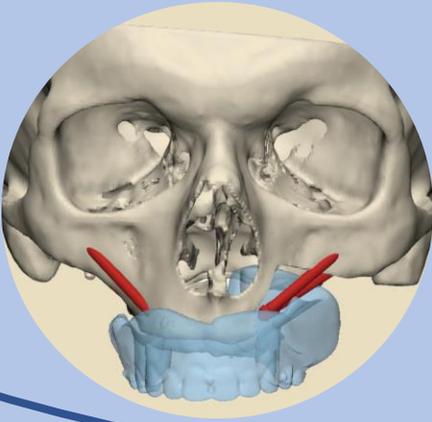


Zygomatic Implants Course UMCG

May 12 & 13, 2022 • Groningen



Rehabilitation of maxillary defects in Head & Neck patients; the use of zygomatic implants.

Program



umcg

PROSCAN / INTELLIDENT

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SOUTHERNIMPLANTS®
Innovative Treatment Solutions

The two-day course

Participants: OMF- surgeons, Maxillo Facial Prosthodontists, Technical Physicians

Course fee: € 1500,- p.p.

Location: UMCG

Accreditation 10,5 pt

NVMKA/KRT/NVvTG for participation the full two days



Learning objectives

3D:

- Familiarize with 3D virtual planning of implant positioning in reconstructive head and neck cases
 - Translate 3D virtual planning towards surgical procedure using the 'guided surgery' principle
 - To be informed of the post-operative 3D evaluation methods
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Prosthetic:

- Understand prosthetic indications for the placement of oncology zygomatic implants
 - Familiarize with planning of an zygomatic implant retained obturator prosthesis
 - Have hands on experience in the placement of zygomatic implant retained obturator prosthesis
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Surgical:

- Indications when to use zygomatic implants in patient with a maxilla defect following tumor resection
 - Understand challenges, opportunities and pitfalls in placement of zygomatic implants presented in our case studies.
 - The use of 3D VSP in your clinical routine for maxillary tumors; tumor visualization, guided tumor resection, guided zygomatic implant placement
 - Hands on experience in the placement of zygomatic implants; the use specific instruments, drill sequences and drill guides
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Thursday 12 May, Rode Zaal UMCG

09.00	Registration and coffee at Grand Café UMCG	
09.30	Welcome	<i>Harry Reintsema</i>
09.40	Overview and Introduction	<i>Max Witjes</i>
09.50	Southern research and development update	<i>Graham Blackbeard</i>
10.30	Use of Zygomatic Implants in Head & Neck Patients, indications and developments	<i>Chris Butterworth</i>
11.10	Coffee Break	
11.30	Southern Co-axis, specials	<i>Hugo De Bruyn</i>
12.10	Q&A	
12.30	Lunch at Grand Café UMCG	
14.00	Challenges in implant placement	<i>Gerry Raghoobar</i>
14.20	Planning and surgery; 3D workflow	<i>Sebastiaan de Visscher</i> <i>Joep Kraeima</i>
15.00	Prosthetic rehabilitation with zygomatic implants	<i>Nathalie Vosselman</i> <i>Joep Kraeima</i>
15.20	Break with refreshments	
15.50	Case presentations	<i>Chris Butterworth</i>
16.20	Case presentations	<i>Joep Kraeima</i> <i>Sebastiaan de Visscher</i> <i>Nathalie Vosselman</i>
16.50	Q&A	
17.20	Short introduction hands-on 13 May & Close	<i>Harry Reintsema</i>
19.00	Dinner at Restaurant Prinsenhof , Martinikerhof 23, 9712 JH Groningen	

Teachers

- Chris Butterworth
- Gerry Raghoobar
- Harry Reintsema
- Sebastiaan de Visscher
- Nathalie Vosselman

9.00	Meeting at Grand Café UMCG next to head entrance; walk to Skills Lab
9.30	instructions by the trainers
10.00	Hands-on part 1
12.00	Lunch at Grand Café UMCG
13.30	Hands-on part 2
15.00	break with refreshments
15.20	Hands-on part 3
16.00	Q&A
16.15	Close and depart

Speaker Biographies

Graham Blackbeard, M.Eng

Graham has an MSc in Engineering. In 1983 and 1984 he was a Rotary Foundation Scholar at the Division of Artificial Organs at the University of Utah. He has developed and manufactured heart valves, artificial hearts, various dental implant products and orthopaedic arthroplasties. He is best known for his innovative dental implant designs, where together with Drs Andrew Ackermann, Dale Howes, Greg Boyes-Varley, Costa Nicolopoulos, Carlos Aparicio, Stephen Chu and Dennis Tarnow he has developed site-specific implants, some of which will be discussed at this forum. He has presented at the Academy of Osseointegration, the American Academy of Prosthodontics and the World Congress of Oral Implantology as well as co-authoring a number of international dental implant publications.



Prof. Hugo de Bruyn, DDS, PhD

Hugo De Bruyn graduated as dentist at the Catholic University Leuven in 1983. He finalized his PhD at the Rijksuniversiteit Groningen in 1987. Thanks to a grant provided by the Niels Stensen Foundation he obtained a master degree in periodontology from Lund University Sweden in 1988. Until 2004 he managed a referral clinic in periodontics and implantology in Brussels Belgium. He became full professor at Ghent University in 2004 as chair of the department periodontology and oral implantology. He was director of the Master Periodontology program resulting in more than 40 periodontal specialists. Since 2017 he is full professor in 'dentistry with focus on periodontology' and he chairs the department of dentistry at the Radboud University Medical Center. He was co-editor of Clinical Implant Dentistry and Related research until recently and has more than 200 international papers in high impact journals and 18 finalized Ph.D. projects. He has been lecturing at over 500 international meetings.



Professor Chris Butterworth, BDS(Hons), MPhil, FDSRCS (Eng), FDS (Rest Dent) RCS (Eng) Consultant in Maxillofacial Prosthodontics, Liverpool Head & Neck Centre, UK

Professor Chris Butterworth is a UK-based Maxillofacial Surgical Prosthodontist who has worked at University Hospital Aintree since his appointment in 2003. He has built an international reputation for innovative care in the field of oral & facial rehabilitation following head & neck cancer and has won several national and international awards for his work on implant-based prosthetic rehabilitation. He has pioneered the combination of skeletally anchored zygomatic implants in combination with microvascular free flap reconstruction for patients with maxillary and mid-facial malignant diseases (the ZIP Flap technique). He is actively involved in research within the Head & Neck Centre and regularly lectures at national and international meetings. He was the youngest ever national president of the British Society of Prosthodontics in 2011/12. Chris has authored over 60 scientific papers, several textbook chapters and is the lead author on the restorative guidelines for UK based head & neck cancer patients.



Joep Kraeima, PhD

Staff Member at the department of Oral and Maxillofacial Surgery in the University Medical Center Groningen

Technical Physician specialized in the field of OMFS. Coordinator of the UMCG 3D Lab. Researcher in the field of 3D reconstructive, orthognathic and 3D surgery. Aims to develop and optimize 3D Virtual Surgical Planning and the use of Patient Specific Osteosynthesis materials



Prof. Gerry M. Raghoobar, DDS, MD, PhD

**Oral & Maxillofacial Surgeon, Professor Oral and Maxillofacial Implants
Department of Oral and Maxillofacial Surgery, University Medical Center Groningen**

Gerry M. Raghoobar received his DDS and MD degree at the University of Groningen. In 1988 he qualified as oral and maxillofacial surgeon. Since 1988, he is a staff member at the University Medical Center Groningen. He defended his PhD thesis in 1991. In 2006 he was appointed as a professor in Oral and Maxillofacial Surgery and Reconstructive Surgery at the University of Groningen. From 1995 to 2006 he was member of the board of the Dutch Society of Oral Implantology and since 2006 he is honorary member of this society. He is a fellow of the European Board of Oral and Maxillofacial Surgery. His current research efforts are focused on single tooth replacements, the edentulous maxilla, bone and soft tissue augmentation techniques, reconstruction of bone defects, and craniofacial implants. He has (co)authored numerous scientific publications and books.



Harry Reintsema, DDS, PhD

**Maxillofacial Prosthodontist, Head Center for Special Dental Care, dept. Oral Maxillofacial Surgery, UMCG
Department of Oral and Maxillofacial Surgery and Center for Special Dental Care,
University Medical Center Groningen**

Harry Reintsema graduated from Dental School in Groningen in 1982, and defended his PhD-thesis ('the effect of fluoridated toothpastes on plaque covered enamel in vivo') in Groningen in 1988. He was assistant professor Dental School University of Groningen from 1982-1991. Since 2000 he is registered as a maxillofacial prosthodontist and since 2003 head of the UMCG Center for Special Care and Maxillofacial Prosthetics and also head of training program Maxillofacial Prosthodontics. He is chair of the NVGPT National MFP Training Program Committee and past president of the International Society for Maxillofacial Rehabilitation (ISMR). From 1992-2002 he was member of the board from the Dutch Society for Gnatology and Prosthetic Dentistry and since 2002 honorary member. In 2000 he was rewarded with the J.G. Schuiringa Award on maxillofacial prosthetics. He has (co)authored several articles on maxillofacial rehabilitation and implant dentistry. Fields of interest concern e.g. de dental/prosthetic treatment of Head-and-Neck Oncology patients and patients with congenital or acquired orofacial defects and dental (implant-)treatment in general.



Sebastiaan A.H.J. de Visscher, MD, DDS, PhD
Oral and Maxillofacial Surgeon, Head and Neck Surgeon,
Department of Oral & Maxillofacial Surgery, University Medical Center Groningen

Sebastiaan de Visscher studied Medicine (2006) and Dentistry at the University of Groningen and graduated in respectively 2006 and 2011. In 2011 and 2012 he worked as a teacher at the Dental Faculty of the university. From 2012 until 2016 he completed his residency in Oral and Maxillofacial Surgery at the department of Oral and Maxillofacial Surgery, at the University Medical Center Groningen (UMCG). In 2014 he earned his PhD on a thesis titled “mTHPC mediated PDT of Head and Neck Cancer, Modifying pharmacokinetics using liposomal drug carriers”. Following completion of his residency he earned a staff position with a focus on head and neck trauma. In 2019 he completed his 2 year fellowship on head and neck oncology and was registered as Head and Neck surgeon.

Currently he works in the department as an Oral and Maxillofacial Surgeon, specialized in oncology. Furthermore, he participates in several studies in the field of Head and neck oncology.



Nathalie Vosselman, DDS
Maxillofacial Prosthodontist
Department of Oral & Maxillofacial Surgery and Center for Special Dental Care,
University Medical Center Groningen

Nathalie Vosselman (DDS) studied dentistry at the University of Amsterdam and graduated in 2003. She started her private dental practice in Haarlem in 2004 where she mainly provides complex restorative and prosthetic dental care. She has completed her training in Maxillofacial Prosthodontics at the department of Oral and Maxillofacial Surgery and Center for Special Dental Care at the University Medical Center Groningen (UMCG). Following completion of her training she earned a staff position and works in the department as a maxillofacial Prosthodontist primarily focusing on oral and facial rehabilitation of Head and Neck cancer patients. In 2019 she started her PhD research on the subject of 3D workflows in prosthetic rehabilitation of Head and Neck oncology patients.



Prof. Max J.H. Witjes, MD, DDS, PhD
Oral & Maxillofacial Surgeon/Head & Neck Oncology
Department of Oral and Maxillofacial Surgery, University Medical Center Groningen

Max JH Witjes was appointed in 2003 as a consultant in Head & Neck oncology at the department of Oral & Maxillofacial Surgery of the University Medical Center of Groningen the Netherlands. Prior to this he attained his medical and dental degree at the University Medical Center of Groningen. During his studies he worked as a research assistant at the department of Biomaterials in Groningen as well as the department of Biomaterials, University of Alabama at Birmingham (USA). In 1997 he obtained his PhD (cum laude) on the subject of “Photodynamic therapy and fluorescence localisation of experimental oral dysplasia and squamous cell carcinoma” which was completed partially at the Erasmus Medical Centre of Rotterdam. He is leading PI in several clinical trials on targeted fluorescence image guided surgery of head and neck (pre)malignancies (www.omig.nl).

Next to his daily practice in H&N oncology he has a specific interest in developing optimal



functional reconstruction of craniofacial defects using 3D virtual planning techniques. He has pioneered and published on the advanced 3D planning of the reconstruction of craniofacial defects. He has integrated 3D virtual planning in the daily clinical work and initiated the start of the UMCG wide 3D lab which he now manages (www.3Dlab Groningen.nl). He has published over 140 scientific papers and book chapters and has given over 50 invited lectures on the topics of 3D virtual planning and image guided surgery. He is member of the committee for revision of the Dutch guidelines for head and neck tumors, member of the Research steering committee of the Dutch Head and Neck Society (NWHHT) and member of the Dutch Head & Neck Clinical Audit Board and member of the grant review committee Research & Implementation of the Dutch Cancer Society.