

# ADVANCED CERTIFICATE IN BONE & TISSUE REGENERATION & SINUS GRAFTING

**A COMPREHENSIVE STRUCTURED PROGRAMME INCLUDING HANDS-ON CADAVER SURGERY**



University of  
**Salford**  
MANCHESTER

- Part 1** Preparatory webinars
- Part 2** Regenerative Oral Surgical Techniques, Grafting and ENT Management of the Maxillary Sinus at ICE Hospital Salford Quays, Manchester
- Part 3** Live surgical demonstration at ICE Hospital
- Part 4** Cadaveric Surgical Training
- Part 5** Supervised Clinical Training at ICE Hospital (optional at additional cost)

**Course fee:  
£3900**

(Payment via instalments available)

**CPD hours for Parts 1-4:  
54 (approx.)**

## **Advanced Bone & Tissue Regenerative Surgery for the reconstruction of the severely atrophic jaw**

This unique postgraduate CPD programme, accredited by the University of Salford, is designed to provide highly structured and comprehensive training for the experienced implant surgeon in reconstructive preprosthetic oral surgery.

The programme is designed to teach delegates to:

- a) Gain comprehensive knowledge and understanding through a series of pre-course preparatory webinars, delivered by experts in the field

- b) Learn from surgical demonstrations and live surgery performed by Professor Ucer
- c) Develop hands-on cadaveric surgical skills, directly supervised by a faculty of ENT consultants, oral surgeons and implant experts
- d) Perform sinus grafting surgery under supervision at ICE

You will be taught by a faculty of eminent ENT consultants under the lead of Professor Ucer, who has amassed 30 years of experimental and clinical expertise in hard and tissue regenerative surgery, vertical & horizontal GBR sinus grafting and the treatment of severely atrophic maxilla & mandible including zygomatic implant surgery.

You will also learn how to use Implant-Pro, a unique on-line patient assessment and treatment planning tool developed by the ICE Faculty.

You will have one year's free access to this outstanding on-line tool for automated treatment planning and informed consent generation, which is standardised for each individual patient from the raw clinical and diagnostic data gathered during assessment.

The course will cover everything you need to know about advanced bone and tissue reconstructive surgery including lateral sinus grafting.



## A UNIQUE, COMPREHENSIVE SURGICAL TRAINING CPD PROGRAMME ACCREDITED BY THE UNIVERSITY OF Salford

### Lectures include:

- Surgical anatomy of the paranasal sinuses
- Assessment and diagnosis of maxillary sinus diseases
- Functional Endoscopic Sinus Surgery (FESS) with cadaveric demonstration
- Balloon sinuplasty
- Sinus diseases, pathology and management
- When to operate and when to refer for ENT opinion and treatment
- Preparation for reconstructive/sinus surgery and diagnostic criteria for case analysis
- Complications, prevention & management
- Trigeminal nerve injury, prevention and management
- Medico-legal considerations and Human Factors in reconstructive surgery
- Lateral window and crestal sinus lift technique and success criteria
- Block bone grafting and the bone ring technique
- Vertical & horizontal GBR technique drawing on Professor Ucer's 30 years of clinical and experimental research
- Bioactive modifiers, including Platelet Rich Growth Factors in Regenerative Surgery
- Treatment planning of the atrophic maxilla and mandible including the zygomatic & pterygoid implant options
- 3D diagnostic imaging, digital workflow & 3D treatment planning
- Implant-Pro assessment and treatment planning software
- Critical appraisal and characteristics of regenerative bone and tissue regeneration



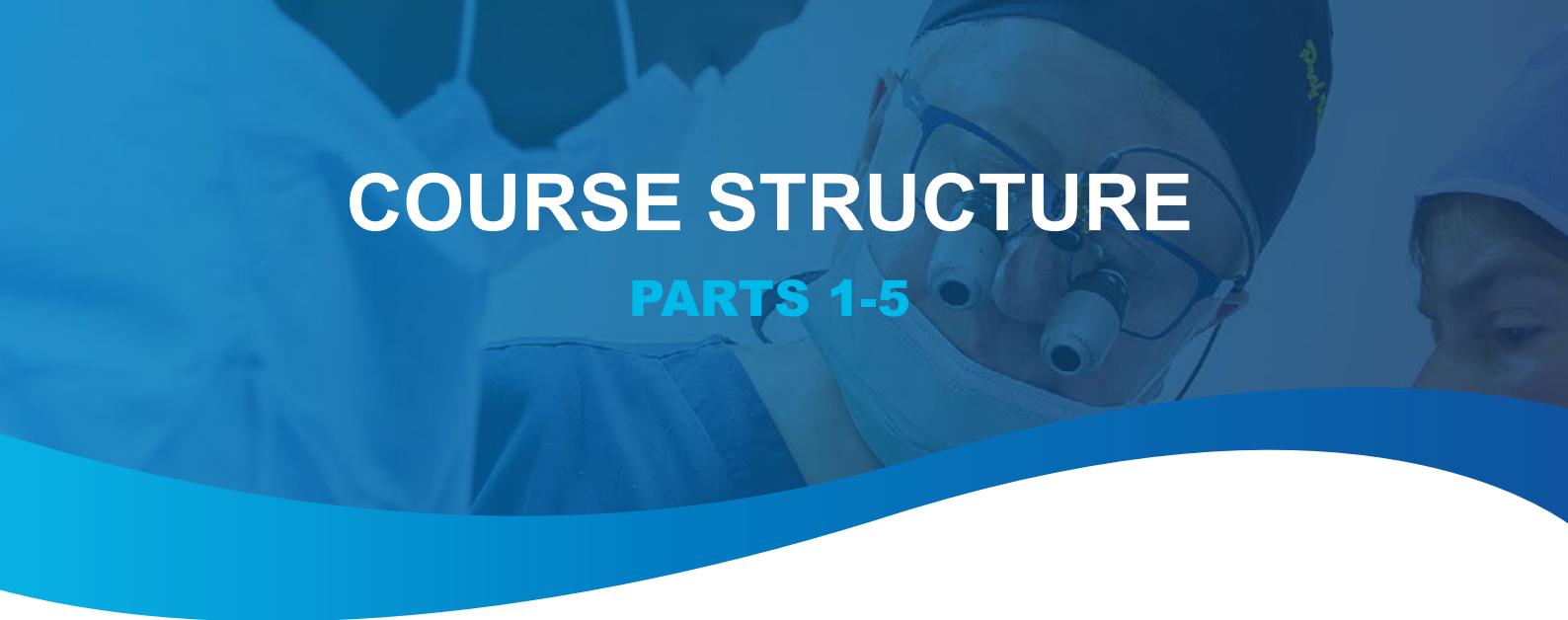
## For experienced Implant Surgeons looking to expand the scope of their reconstructive implant practice

- Treatment of the atrophic jaw
- Grafting vs Graftless treatment options
- Lateral and crestal sinus grafting
- Bone plates
- vGBR
- CAD/CAM and titanium mesh grafts
- Nerve lateralisation
- 3D virtual planning and surgical navigation



### Site specific implants:

- Short implants
- Trans-sinus implants
- Pterygoid implants
- Zygomatic implants



# COURSE STRUCTURE

## PARTS 1-5

### PART 1 Preparatory Webinar Series

Prof. Cemal Ucer & Prof. Simon Wright - Welcome & Introduction/Indications for Sinus Grafting/Human Factors

Dr Stefan Berger – Critical Review of Biomaterials

Prof. Cemal Ucer – Strategies for the Treatment of the Atrophic Maxilla & Mandible

Dr Peter Fairbairn – ETHOSS True Bone Regeneration

Dr Ulpee Darbar – Socket Management, Bone Augmentation

Dr Rabia Khan – Oral Medicine – Review of Hard and Soft Tissue Oral Pathology

Prof. Cemal Ucer – Surgical Anatomy and Pterygoid Implants

Prof. Simon Wright – Diagnostic Imaging

Prof. Cemal Ucer - CBCT Pathology and Incidental Findings

Dr Stratos Efstratiou – Safe Sinus Lifting with Osstem

Prof. Cemal Ucer - Applications of PRF in implant dentistry - inc. socket augmentation, hard & soft tissue grafting

Prof. Cemal Ucer - Bioenhancement and application of platelet concentrates (PRF) in implant dentistry - evidence base, mode of action and PRF protocols

### PART 2 Regenerative Oral Surgical Techniques, Grafting and ENT Management of the Maxillary Sinus

2-day pre-clinical hands-on training workshop, including sinus grafting on 3D-printed skulls and deer heads using piezo surgery

## **PART 3 Live Surgery and Discussions**

Live surgery  
Interactive lecture  
Discussions and Q&A session

## **PART 4 Cadaveric Surgical Training**

Cadaveric Surgical Training in regenerative oral & implant surgery and Sinus Grafting including block bone harvesting, graft fixation techniques, vertical & horizontal GBR, lateral & crestal lift, pterygoid and trans-sinus implants and demonstration of sinus FESS surgery.

## **PART 5 Clinical Supervised Training (optional at additional cost)**

Trainees who have successfully completed Parts 1-4 of the course will be offered the opportunity to treat patients at ICE Hospital. This is done under supervision, by prior arrangement and is subject to approval by ICE Faculty. Trainees will need to have full GDC registration & appropriate indemnity cover for advanced hard & soft tissue procedures and sinus grafting.



## **LEARNING OBJECTIVES:**

- Gain practical knowledge of the surgical anatomy of the head and neck including vital structures, blood vessels, nerves, muscles and tissue spaces on cadavers in order to develop surgical confidence and precision
- Learn how to assess, diagnose and manage sinus diseases
- Learn from Professor Ucer's 30 years of research and clinical experience to avoid complications and achieve predictable and successful treatment outcomes
- Consistently perform an unbiased critical appraisal of the biomaterials used in regenerative oral & maxillofacial implant surgery
- Benefit from the support of the leading biomaterials and implant companies in a multi-system approach and learn how to choose the best product that suits each patient's individual anatomical, functional and personal needs, rather than the commercial interest of one particular manufacturer or biomaterials supplier
- Develop advanced surgical skills in regenerative oral surgery and implantology under the guidance and mentorship of an eminent Faculty of ENT and oral surgery experts



# THE FACULTY



**Professor Cemal Ucer**  
**Specialist Oral Surgeon BDS, MSc. PhD, MFDS RCS (Eng)**  
**FCGDent, FDTFEd RCSEd**

Professor of Dental Implantology, School of Health & Society, University of Salford | Fellow of the British Association of Oral and Maxillofacial Surgeons | Director, ICE Postgraduate Dental Institute & Hospital | Fellow of ITI | Director, Zaga Centre for Oral-Maxillofacial & Dental Implant Reconstruction, Manchester



**Mr Abbad Toma**  
**Consultant ENT Surgeon MBBCh, FRCS, FRCS (ORL)**

St George's University Hospital, London | Fellow of the European Academy of Facial Plastic Surgery



**Professor Simon Wright MBE**  
**BDS MSc PGCTLCP FHEA FDTFEd (RCSEd) SMFGDP(UK)A**

Professor of Dental Implantology, School of Health & Society, University of Salford | Director, ICE Postgraduate Dental Institute & Hospital | Principal Partner, Glencairn Practice Group | Former Director of Education, Association of Dental Implantology (ADI)



**Dr Rabia Khan**  
**BDS, MSc, PhD, PgMedEd, FPFA, FICD**

Director of Education and Research at ICE Postgraduate Dental Institute & Hospital | Lecturer, School of Health & Society, University of Salford | Dental Researcher, Lancaster University



**Dr Stefan Berger**  
**Senior Global Product Manager Biomaterials & Implants, Zim Vie**  
**Diploma in Biomedical Engineering, Doctorate in Material Sciences**

Stefan joined Zimmer Biomet in 2010 as a Product Manager and Product Specialist for Regenerative Materials. Stefan is currently Senior Global Product Manager (Biomaterials & Implants) for Zim Vie and has over 20 years experience working in the field.



**Dr Peter Fairbairn**  
**BDS University of Witwatersrand 1981**

Principal Dental Surgeon at the Scarsdale Dental Clinic since 1989 | At the forefront of placing and restoring dental implants since 1991 | Global expert on bone regeneration | Extensive published research in materials and surgical protocols for bone repair without the use of donor animal and human products | Director of Education of the ADI (UK)



**Dr Ulpee Darbar**  
**BDS, MSc, FDS(Rest Dent)RCS, FHEA**

Divisional Clinical Director of the Eastman Dental Hospital | Lead for dental implants at the Eastman | Clinical Tutor for the trainees and Programme Director for the Dental SHOs | Widely recognised for specialist interests in periodontology and implantology, lecturing and teaching extensively on these topics | Holds a number of external positions for the Royal Colleges & Specialist Societies | Currently the Chair of the Advisory Board for the Diploma in Implant Dentistry at the Royal College of Surgeons of Edinburgh.

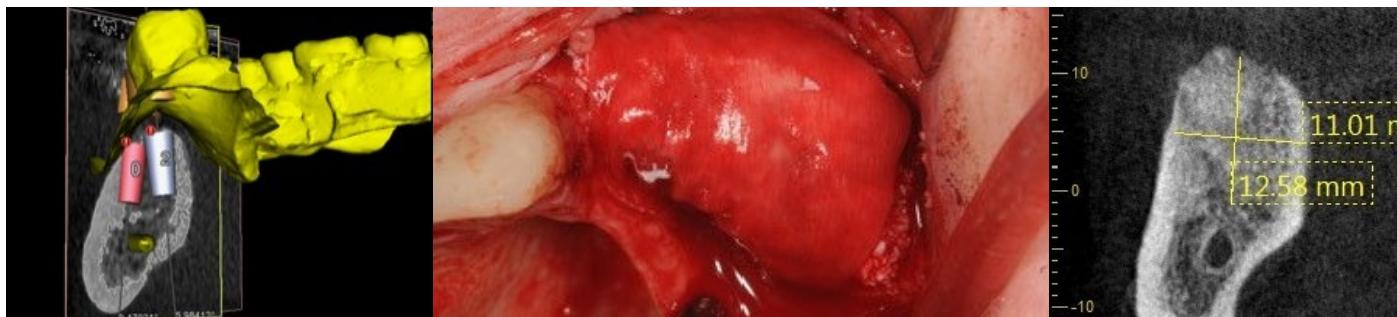


**Dr Stratos Efstratiou**  
**BDS LDSRCS MSc FDSRCPs**

Stratos graduated as a dentist in 1992 in South Africa. He works as a dentist in Hertfordshire and has been involved with implants since 1999. He completed a Diploma in Implantology at the Eastman in 2010. He switched from conventional methods of sinus lift surgery to using Osstem CAS and LAS lift methods in 2012 and has lectured for Osstem since then.

## COURSE CONTENTS

- Surgical anatomy of head & neck
- 3D assessment and 3D guided bone grafting and sinus surgery
- ENT management of the maxillary sinus diseases and pathology
- Regenerative oral surgery techniques
- Kazanjian's vestibuloplasty and pre-prosthetic tissue surgery
- Ceadaveric block bone harvesting and fixation & the bone ring technique
- Piezo surgery, the magnetic mallet and the osteo-tome techniques
- Vertical and horizontal GBR techniques
- Bioenhancement with Buccal fat pad and PRP/ PRF





### How is clinical training structured?

There are two models for training:

- Treat patients referred to ICE Hospital  
Fee: £ 1900 per day including all materials, equipment and supervision
- Treat your own patient at ICE Hospital  
Fee: £ 950 per day including all materials, equipment and supervision, patient pays ICE £ 950 per sinus graft (including biomaterials)

### Programme for the day:

1. Clinical briefing and huddle
2. Demo by Professor Simon Wright MBE
3. Group 1 Cases - Patient A, Patient B, Patient C  
Group 2 Cases - Patient D, Patient E, Patient F

Each delegate will perform 1 sinus graft, assist with another one and observe one other case.

### What are the requirements to be admitted onto the course?

- GDC registration
- Full indemnity insurance for implant and sinus grafting procedures
- Completion of the ICE/UoS Advanced Certificate in Bone and Tissue Regeneration & Sinus Grafting course Parts 1 to 4



# What are the objectives of clinical training?

- a) Assess and identify suitable candidates for advanced grafting procedures
- b) Develop a full understanding of the treatment planning and informed consent process involved
- c) Observe, assist with and perform advanced surgical techniques & grafting, to develop clinical competence under the supervision of an experienced surgeon



## Who will be supervising?



**Professor Cemal Ucer**  
BDS, MSc, PhD, MFDS RCS (Eng), FCGDent,  
FDTFEd (RCSEd)

**Professor of Dental Implantology, School of  
Health & Society, University of Salford**

**Director, ICE Postgraduate Dental Institute  
& Hospital**

**Specialist Oral Surgeon**

**Fellow of the British Association of Oral and  
Maxillofacial Surgeons Fellow of ITI**

**Director, ZAGA Centre for Oral-Maxillofacial  
& Dental Implant Reconstruction,  
Manchester**



**Professor Simon Wright MBE**  
BDS MSc PGCLCP FHEA FDTFEd  
(RCSEd) SMFGDP(UK)A

**Professor of Dental Implantology,  
School of Health & Society, University  
of Salford**

**Director, ICE Postgraduate Dental  
Institute & Hospital**

**Principal Partner, Glencairn Practice  
Group**

**Former Director of Education,  
Association of Dental Implantology  
(ADI)**

## What will delegates receive for completing Part 5: Supervised Clinical Training?

For successfully completing Part 5 of the course, you will receive a Certificate of Competence in Sinus Grafting.

**Enquiries: [enquiries@icedental.institute](mailto:enquiries@icedental.institute)**

**Tel. 0161 413 8336**



# THANK YOU TO OUR SPONSORS



## Registration:

[enquiries@icedental.institute](mailto:enquiries@icedental.institute) - Tel: 0161 413 8336

## More information:

**Professor Cemal Ucer** - [ucer@icedental.institute](mailto:ucer@icedental.institute) - Tel: 0161 237 1842

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