WINDSOR YEAR COURSE ON
CONTEMPORARY RESTORATIVE, AESTHETIC & IMPLANT DENTISTRY

Generally days run from 0900 for the welcome and course from 0930-1700 each day with breaks for morning tea/coffee and lunch

**Day 1: Introduction**

0930  Welcome
0930  Introduction
Aims & objectives of year course & course outline
Tell us about yourself - why you are here, your objectives & goals
Overview of contemporary restorative & aesthetic dentistry

Building a successful practice, how do you grow?
Practice/patient management - initial contact to initial consultation

Introduction to patient examination, diagnosis & assessment
Clinical photography, digital communication
Patient communication, treatment plans and presentation
Literature - how to find articles, what journals, online resources
Developing a diagnostic protocol, treatment planning and systematic case management

Interactive treatment planning session

1700 Close

**Homework for next session:**

Reading, bring models, Lucia jig, facebow and bite registration material for practical.
Day 2: Diagnosis, Treatment Planning & Case Management

Occlusion in Restorative Dentistry Part 1

0900  Welcome
0930  Literature review, homework check & discussion
       Occlusion - Principles, concepts, examination, diagnosis, relevance and application

       Diagnosis of occlusal problems
       Clinical examination of occlusion
       Diagnostic use of study casts
       Mounting casts on semi-adjustable articulators
       Anterior guidance

       Diagnostic wax-ups, use and indications
       Occlusal adjustment procedures
       Conformative / Reorganised case management
       Clinical application of occlusal splints

Practical

       Facebow registration
       Manipulation of the mandible
       Centric relation jaw registration
       Lucia jig

Interactive treatment planning session – case discussion

1700 Close

**Homework:**  Reading, bring models mounted on semi-adjustable articulator and mark CRCP.
Day 3: Diagnosis, Treatment Planning & Case Management
Occlusion in Restorative Dentistry Part 2

0900 Welcome
0930 Literature review, homework check & discussion
Tooth Surface Loss (TSL)
Attrition, abrasion, erosion, bruxism - aetiology, diagnosis

Impact of TSL in restorative dentistry
Occlusal design and management in restorative care
OVD - management
Management of localised and generalised tooth wear
The Dahl concept
Restoration of the worn dentition

Management of the deep bite
Indirect and direct treatment modalities
Composite build-ups
Extensive provisionalisation strategies

Extensive rehabilitation
Interdisciplinary management – surgical crown lengthening & orthodontics in restorative dentistry

Interactive treatment planning session – case discussion

1700 Close

**Homework:** Reading, bring digital SLR, lip retractors and mirrors for clinical photography.
Day 4: Diagnosis, Treatment Planning & Case Management
Aesthetics in Restorative Dentistry

0900  Welcome
0930  Introduction

Aesthetic smile evaluation, aesthetic concepts

Tooth morphology, shade & colour Hue, value, chroma, translucency
Texture, lustre

Dental photography

Practical
Clinical photography, case documentation

Digital smile design

Effective communication and information transfer with technician (using Keynote/Powerpoint)

Diagnostic wax up for aesthetics Pre-visualisation and mock-up (direct/indirect)

Interactive treatment planning session – case discussion

1700 Close

**Homework:** Reading
Day 5: Diagnosis, Treatment Planning & Case Management
Soft Tissues & Periodontics in Restorative Dentistry

0900  Welcome
0930  Introduction

Periodontal disease - current considerations
Aetiology

Examination and treatment planning

Non-surgical therapy
Adjunctive periodontal therapy

Surgical therapy
Indications for surgery
Post-surgical care

Regenerative periodontal therapy
Biomaterials

Mucogingival and Aesthetic surgery
Biologic Width
Gingival Morphology

Gingival asymmetries
Orthodontics for soft tissue aesthetics

Resective periodontal surgery
Crown lengthening

Additive plastic periodontal surgery
Root coverage
Connective tissue grafting

1700 Close

Homework:  Reading
Day 6: Adhesion & Operative Dentistry

Composite Restorations, Endodontics, Cores & Post-Cores, Bleaching

0900  Welcome
0930

Adhesion, enamel & dentine bonding

Adhesive concepts, Etch & Rinse, GIC, Self etch

Adhesive protocols & indications - which bonding agent & when?

Composites and glass ionomers

Cavity Design

Posterior composite restorations

Technique & materials choice

Restoration of endodontically treated teeth

Core build-ups, post-cores & aesthetic post cores

Discoloured teeth

1700 Close

**Homework:** Reading
Day 7: Adhesive Aesthetic Restoration of Teeth  
Anterior Composites & Veneers

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**Homework:** Reading
Day 8: Aesthetic Restoration of Teeth - Full & Partial Coverage Restorations

0900  Welcome

0930  Restorative Goals/Options

Restorative decision-making

Restoration of endodontically treated teeth:

Tooth fracture & tooth survival ETT
Posterior ETT, Anterior ETT
Structural considerations ETT
Posts & Cores
Aesthetic considerations ETT

Full crowns:
Principles of Tooth Preparation
Preservation of tooth structure
Retention & resistance
Taper
Margins & marginal integrity
Space for restoration
Occlusal reduction
Functional cusp bevel
Preservation of the periodontium

Case illustrations

1700  Close

**Homework:** Reading, document tooth preparations (photos & models) with silicone keys
Day 9: Aesthetic Restoration of Teeth - Full Coverage Restorations & Bridgework, Technique & Materials

0900   Welcome

0930

Complications & failure in fixed Prosthodontics

PFM
Principles of Tooth Preparation  Design of framework/restoration
Tissue management

All ceramic restorations
Material evolution
Silica based ceramics - feldspathic & pressed ceramics
Lithium disilicate
Polycrystalline (high-strength) ceramics

Indications & applications
Advantages & disadvantages
Preparation & Design

1700 Close

Homework:  Reading
Day 10: Aesthetic Replacement of Teeth - Introduction to Dental Implants

0900  Welcome

0930

Basic Implant design & function
- Basic design concepts
- Body macro-geometry
- Surfaces and bone healing
- Cervical geometry
- Implant abutment connection & index

Anatomical considerations
- Maxilla
- Mandible

Bone biology
Anatomical changes with tooth loos

Treatment planning considerations for implants
SAC assessment tool
Online resources

Diagnostic & treatment planning considerations
Medical/dental considerations
Radiographic evaluation
Articulated Diagnostic Casts and Diagnostic Wax Patterns
Digital Planning

Biomechanics & loading
Loading protocols

1700 Close

Homework:  Reading
Day 11: Aesthetic Replacement of Teeth with Dental Implants

0900 Welcome

0930

Endosseous implant design & function
- Patient’s treatment expectations
- Patient smoking habits
- Lip-line
- Gingival biotype
- Tooth form (square, ovoid, triangular)
- Infection at the implant site
- Bone level at adjacent teeth
- Restorative/periodontal status of the adjacent teeth
- Character of edentulous space
- Width of hard and soft tissue
- Height of hard and soft tissue
- Periodontitis susceptibility (aggressive, refractory, progressive)

Diagnosis & treatment planning for implants

Diagnostic factors for aesthetic risk assessment

Anatomic site analysis
- Maxilla – anterior/posterior
- Mandible – anterior/posterior

Treatment planning & decision making in implant dentistry
Soft tissue integration & biocompatibility
Treatment planning prosthetic considerations
Bone level/tissue level implants
Prosthetic connection considerations
Restorative decision-making
Screw vs cement retained
Complications

Flap design & soft tissue management

Homework: Reading

1700 Close

**Homework:** Reading
Day 12: Aesthetic Replacement of Teeth with Dental Implants

0900 Welcome

0930

Treatment planning
Surgical & prosthetic keys to success

Implants in the aesthetic zone
Edentulous sites vs failing teeth
GBR, bone & soft tissue grafting/augmentation
Flap design and soft tissue management
 Provisionalisation
Prosthetic solutions, abutments, design and management

Single tooth concepts
Multiple tooth concepts
Fully edentulous arch/mouth

Interdisciplinary treatment and full mouth rehabilitation

1700 Close

END

Course Dinner