



TIDU MANKOO

**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.



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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.



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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.



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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



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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



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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



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

0900 Welcome

0930

Anterior Adhesive Restorations

Anterior Composite Restorations

Background and literature review

Indications & Applications

Preparation & Design

Materials & technique

Provisionalisation

Impressions

Laboratory procedures

Shade & Communication

Placement: Materials & technique

1700 Close

Homework: Reading



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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



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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



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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 loss

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



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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



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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