

Postgraduate Diploma in Burn Care

2011-2013



Barts and The London
School of Medicine and Dentistry

***Centre for Cutaneous Research,
Barts and the London
School of Medicine and Dentistry,***

Information for Students

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Introduction

Welcome to the Postgraduate Diploma in Burn Surgery organised by the Centre for Cutaneous Research (CCR)Barts and The London School of Medicine and Dentistry (BL SMD)and Barts and the London NHS Trust (BLT).

Course Organisation

Mr Simon Myers is Course Director and a Clinical Senior Lecturer in Plastic Surgery, and overall Course Lead.

Professor Harry Navsaria is Professor of Tissue Engineering and Deputy Course Lead.

Mr Peter Dziewulski is Co-director, Honorary Clinical Senior Lecturer, Course Founder, and Consultant Burn and Plastic Surgeon.

Ms Sam Matthew is the Course Administrator and is based in the CCR.

Structure of the Course

Weekly Teaching Package

We will be covering the entire spectrum of Burn Care at what we believe to be an appropriate level over 10 modules of 10 weeks each. Each of the weekly modules has been devised by one or more 'module tutors' with a particular interest in the topic being studied. The modules they have created all consist of written material with a self-assessment assignment, occasionally accompanied with a DVD. Text and assignments are made available on-line *via* WebCT. **Access to a computer with a DVD drive and Internet connection is essential for undertaking the course.**

An access code will provide entry to appropriate areas of the WebCT site. On-line text pages for each module cover:

1. Aims and Objectives

These will establish the requirements for success on completion of the course.

2. Definitions and Classifications

These provide the skeleton on which to hang all subsequent more detailed knowledge.

3. Principles

A sound grasp of these is required for success in the final examination.

4. Specific module subsections

These text pages cover the various aspects relevant to the aims and objectives in a didactic way, with an emphasis on safe practice.

5. Selected Reading

Relevant articles from the medical literature are provided in electronic version on-line.

6. Further Reading

A list of other articles not available on-line, and book references are provided to allow students to broaden their grasp of specific areas.

7. On-line Self-Assessment Assignment

The weekly assessments are on-line, and based on MCQs and EMQs. These are computer-marked.

On-line WebCT material is supported by:

8. On-line Discussion Forum & Course Lead Support

The WebCT platform provides the opportunity for on-line communication between students, and for voice communication sessions with the Course Lead.

On-line WebCT material is supplemented by:

9. Occasional Online Video Material

The module tutor on occasion has recorded video content. This discussion will cover the fundamental principles of the topic in a clinically relevant and informal manner.

The online video material will include footage of technical procedures that cannot be handled by the WebCT format.

10. Clinical training days

Four intensive clinical training days, provide a clinical context to the more didactic syllabus. This is also an opportunity for course contributors to meet students.

Clinical Training Days

The clinical days will generally consist of lectures, videos, and patient examination and informed consent in the morning, and live demonstration of non-invasive techniques and live theatre links for general anaesthetic procedures in the afternoons.

Clinical Dissertation

You will be expected to undertake a dissertation of approximately 3,000 words on a clinically based subject: Dissertations topics will be discussed later on in the course. It is advisable to discuss your dissertation about a third of the way through the Course with the course organiser who will be able to help you with your choices.

Additional Clinical Training

Students are also expected to gain additional clinical experience by attending surgical centres locally. The course leads are available to facilitate this.

MODULE 1

Skin Structure & Function/ Burn Pathophysiology

Week 1

A History of Burn Care

Week 2-

The Structure & Function of Normal Skin [1] – The Epidermis

Week 3-

The Structure & Function of Normal Skin [2] – The Dermis & Subcutis

Week 4-

Hair Biology

Week 5-

Cutaneous Wound Healing

Week 6-

Cutaneous Scarring

Week 7-

Pathophysiology of the Burn Wound

Week 8-

Pathophysiology Inhalation Injury

Week 9 -

Systemic Response to Burn Injury

Week 10 –

Manipulation of local and systemic responses

MODULE 2

Medicolegal Practice/ Psychology/ Psychiatry

Week 1

Informed Consent

Week 2-

Professional Liability

Week 3-

Negligence & Malpractice Litigation

Week 4-

Non-accidental Burn Injury

Week 5-
Risk Management

Week 6-
The Doctor-Patient Relationship

Week 7-
Managing the Grieving Family

Week 8-
Self-consciousness and Altered Body Image

Week 9 –
Managing the Psychologically Challenging Patient

Week 10 –
Managing the Psychiatric Patient

MODULE 3

Fluid Resuscitation/Smoke Inhalation/Critical Care

Week 1
Acute Fluid Resuscitation

Week 2-
Fluid Management in Septic Episodes

Week 3-
Early Management of Inhalation Injury

Week 4-
Critical Care – Cardiovascular System

Week 5-
Critical Care – Respiratory System

Week 6-
Critical Care – Gastrointestinal System

Week 7-
Critical Care – Genitourinary & Neurological Systems

Week 8 -
Hypermetabolism and Nutrition

Week 9 -
Comorbidity

Week 10 –
Outcomes and Data Management

MODULE 4

Anaesthesia/Pain and Pruritis/Dressings and Skin Substitutes

Week 1
Burn Anaesthesia

Week 2-
Burn Pain Management

Week 3-
Burn Pruritis Management

Week 4-
Burn Wound Dressings [1]

Week 5-
Burn Wound Dressings [2]

Week 6-
Allograft Skin

Week 7-
Xenograft Skin

Week 8 -
Integra

Week 9 –
Biobrane

Week 10 -
Cultured Keratinocytes

MODULE 5

Acute Burn Wound Care /Acute Surgery

Week 1
Assessment of Burn Depth

Week 2-
Early Near-Total Burn Wound Excision

Week 3-
Serial Wound Excision

Week 4-

Mixed Depth Paediatric Scalding

Week 5-
Head & Neck Burns

Week 6-
Upper Limb Burns

Week 7-
Trunk Burns

Week 8 –
Lower Limb Burns

Week 9 –
Buttock and Perineal Burns

Week 10 -
Alternatives to Aggressive Surgery

MODULE 6

Burn Rehabilitation/Multidisciplinary Team

Week 1-
Burn Nursing & Patient Rehabilitation

Week 2-
Burn Psychological Support in Rehabilitation

Week 3-
Burn Occupational Therapy in Rehabilitation

Week 4-
Burn Physiotherapy in Rehabilitation

Week 5-
Burn Dietician in Rehabilitation

Week 6-
Burn Social Support in Rehabilitation

Week 7-
Burn Family Groups

Week 8-
Burn Camps

Week 9 –
The Multidisciplinary Team in Acute Burn Care

Week 10 -
The Multidisciplinary Team in Rehabilitation

MODULE 7

Fundamentals of Burn Reconstruction

Week 1-
Principles

Week 2-
Grafts

Week 3-
Tissue Expansion

Week 4-
Local and Distant Flaps

Week 5-
Head & Neck [1]

Week 6-
Head & Neck [2]

Week 7-
Upper Limb

Week 8-
Trunk

Week 9 –
Lower Limb

Week 10 -
Perineum

MODULE 8

Dissertation, Revision and Examination

**Clinical Meeting Year 1:
Dates TBA**

Clinical Meeting Year 2: TBA

All dissertations to be submitted one month prior to examination

Course Assessment

The course and examination will be conducted in accordance with the regulations of Queen Mary, University of London, the awarding body for this Postgraduate Diploma. The marks awarded for each component of the course are broken down as follows:

Weekly assignments: 50%
Dissertation: 15%
Final examination: 35%

All 3 components of the course must be passed to qualify for the Diploma. Candidates will be classified as fail, pass and distinction.

A total of **70** assignments will be set with the weekly modules, and you will be required to pass at least 80% of these in order to progress to the award of the Postgraduate Diploma in Clinical Dermatology.

You must attend **all** the clinical days if a home student – attendance will be monitored by register. Overseas course participants should ideally attend the two clinical weekends, but alternative arrangements can be made.

We would strongly advise you to start preparing for the **dissertation** by selecting appropriate patients early on in the course, as the deadline for submission of the dissertation will be the date of the examination.

The **Clinical Examination** will comprise:

- The final exam will be in the form of an oral viva (2 half an hour slots)
Two External Examiners are appointed by the University of London in conjunction with the internal examiners.

Course Evaluation

Feedback from previous course participants is highly valued by us and enables us to format and design the course to meet your needs. This information will be obtained both formally via evaluation forms issued at the clinical days and informally with the course organisers and directors.

Fees

The Course fee is £2,250 per year for UK students and £2,750 Per year for International students. Please could you ensure that all cheques are made payable to "Queen Mary University London" with you name clearly stated on the reverse.

Contact Details: PG Dip Burn Care hotline

The course administrator is Ms Sam Matthew who may be contacted on:

Tel: 020 7882 7173

Fax: 020 7882 7172

Email: s.matthew@qmul.ac.uk

The course organiser, Mr. Simon Myers, may be contacted directly on

Email: simon.myers@qmul.ac.uk

Our address is:

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4 Newark Street
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The website address for the Centre for Cutaneous Research (but not specifically for the course) is: <http://www.icms.qmul.ac.uk/centres/cutaneous/index.html>