ICR The Institute of Cancer Research

MSc Oncology

Including PG Certificate and PG Diploma

Part B, Clinical Sciences

Module Guide 2016/17: Cancer Treatments 2

UNIVERSITY OF LONDON

Contents

1. Module overview 3
2. Key contacts 5
3. Breast 7
4. Respiratory /Lung 8
5. Head & Neck 9
6. Central Nervous System 10
7. Lymphoma and Haematological 11
8. Paediatric and Teenage Young Adult 12
9. Late Effects 13
10. Thyroid and Endocrine 14
11. Appendix – Timetable 2015/16 15

DOCUMENT CONTROL			*Uncontrolled if printed*
Document ID: ICR/AS/14/CT2/01	**File Name:** Cancer Treatments 2 Module Guide 2014-15		*[for ICR MSc Oncology]*
Approval requirements: Updates to be approved by relevant Course Director(s). All substantive updates must be consistent with regulations, policy and practice agreed by the Taught Courses Committee and Academic Board.			
Original approval history (with Minute references): Created in 2014/15 further to new module structure agreed by Academic Board 17 July 2014, Minute A/7/14/4(i), and using details previously held in individual Module guides with agreed changes and annual updates.			
Review requirements: Annual update and review required		**Equality Impact Assessment date:** n/a	
Last reviewed/updated by:	**Name:** Anna Pili	**Position/Dept:** MSc Course Manager	**Date:** 8 March 2017
Last approved by:	**Name:** David Bloomfield	**Position/Dept:** Part B Course Director	**Date:** 8 March 2017
Next review due date:	Summer 2017		

1 Module overview

Module details

- Full Title: Cancer Treatments 2
- Part of Course: Part B: Clinical Sciences
- Compulsory or optional: Compulsory
- ICR Reference Number: MS2012
- Academic Level: Level 7 (Masters)
- Credit Value: 20 Credits

Module aims

This module, like its sister module Cancer Treatments 1, is about developing knowledge and critical understanding to aid the clinical management of cancer, across a range of common and rarer malignancy types and tumour sites. The specific aims are:

- To guide you to acquire a comprehensive knowledge base of a range of topics related to malignancy (as per specific curriculum), so that patients can be managed clinically at a level appropriate for specialist training in a UK Cancer Centre setting.
- To enable you to recognise presentations and initial management of the rarer cancers, and develop critical awareness of the problems addressed by site specialist colleagues.
- To be able to apply theoretical knowledge to the practical management of patients with cancer

Intended learning outcomes

Students are expected to be able to demonstrate, through passing the assessments, that they have achieved the following learning outcomes:

- To develop an in depth understanding of the principles underlying the management of malignancy
- To synthesise, evaluate and apply these principles to the clinical environment
- To evaluate and critically analyse the research base in the management of these cancers
- To critically evaluate the knowledge base for these cancers in order to obtain awareness of the controversies and limitations which exist

Structure and curriculum coverage
This module covers 3 major ‘core’ topics and 5 ‘specialist’ (less common) topics, as follows

Core topics:

- Breast
- Respiratory and Lung
- Head and Neck

Specialist topics:

- Central Nervous System (inc. Proton Therapy)
- Lymphoma and Haematological
- Paediatric and Teenage Young Adult
- Late Effects
- Thyroid and Endocrine

Teaching is structured in blocks corresponding to each topic, mostly run as half-days (with one topic in the morning and a different one in the afternoon. Each topic has a designated Module Leader who co-ordinates that teaching.

For each topic the following areas will be covered:

- Epidemiology, cancer biology and pathology of the tumour
- Assessment of a patient with the cancer
- Application of principles of local and systemic management
- Evaluation of the evidence base for treatment
- Identification of problems in managing this site

More specific details about syllabus/curriculum content in each topic area are given in the section for each topic later in this Guide.

Assessment

Please see the separate Part B Assessment Guide for full details of how this module will be assessed.

Link to Cancer Treatments 1
The Cancer Treatments 1 sister module operates in a very similar way but covers a different range of topics / tumour sites. The two modules function independently, but for the fact that at least one major essay from either module needs to be on a ‘core’ topic (i.e. assessment cannot be focused solely on specialist topics). It is not necessary to have taken Cancer Treatments 1 before registering for Cancer Treatments 2 – they may be taken in any order.

2 Key contacts

Note: Students should forward any administrative matters (e.g. timetabling, arrangements for assessment) concerning the module to the course administrators, mscadministrator@icr.ac.uk

Any academic matters should be forwarded to the Module Leaders, Joint Course Directors or Course Manager as appropriate.

Course Administration

Subject	Name and contact	Post	Affiliation
General course queries	MSc Administrator, mscadministrator@icr.ac.uk Tel: 020 7153 5228 (Mon-Weds) Tel: 020 7796 5949 (Thurs-Fri during term time)	MSc Administration team	Registry, The Institute of Cancer Research
Any specific concerns	Anna Pili, anna.pili@icr.ac.uk Tel: 020 7153 5386 (Mon-Weds) Tel: 020 7796 5949 (Thurs-Fri during term time) Mobile: 07711 375957	MSc Course Manager	Registry, The Institute of Cancer Research

Topic Leaders

Subject	Name and contact	Post	Affiliation
Breast	Dr David Bloomfield David.Bloomfield@bsuh.nhs.uk	Consultant Clinical Oncologist	Brighton & Sussex University Hospitals
Respiratory and Lung	Dr Jeanette Dickson, jeanette.dickson@nhs.net	Consultant Clinical Oncologist and Clinical Director	Mount Vernon Cancer Centre
Head and Neck	Dr Richard Simcock Richard.Simcock@bsuh.nhs.uk	Consultant Clinical Oncologist	Brighton & Sussex University Hospitals
Thyroid and Endocrine			
Central Nervous System (inc. Proton Therapy)	Dr Matt Williams, mhw@doctors.org.uk	Consultant Clinical Oncologist	Imperial College Healthcare NHS Trust
Lymphoma and Haematological	Dr Donna Lancaster, donna.lancaster@nhs.net	Consultant Paediatric Oncologist	Royal Marsden Hospital
Paediatric and Teenage/Young Adult			
Oncology in the Developing World & Late Effects	Dr Susan Stanway, susannah.stanway@icr.ac.uk	Consultant Medical Oncologist	Institute of Cancer Research / Royal Marsden Hospital

3 Breast

Indicative syllabus content

This core topic area covers issues in Breast cancer, including:

- Principles of screening (for Breast cancer)
- Ductal Carcinoma *in situ*
- Surgical management of Breast cancer
- Breast radiotherapy
- Neo-adjuvant therapy
- Adjuvant endocrine therapy
- Molecular targeted therapies
- Advanced Breast cancer

Learning resources (reading list)

Core texts

You are advised to read the following key papers

- Relevant chapters in **Oxford Textbook of Oncology**, Souhami, Tannock, Hohenberger & Horiot, 2nd edition, 2002 (Oxford University Press)
- Relevant chapters in **Treatment of Cancer**, Price, Sikora and Illidge, 5th edition, 2008 (Hodder & Arnold)
- Relevant chapters in **Cancer: Principles and Practice of Oncology**, DeVita, Hellman & Rosenberg, 2004, (Lippincott, Williams & Wilkins)

Details of further readings on specific sub-topics may be identified during teaching on the module.

4 Respiratory and Lung

Indicative syllabus content

This core topic area covers issues in Respiratory and Lung cancer, including:

- Non small-cell lung cancer
- Small-cell lung cancer
- Mesothelioma
- Supportive and palliative therapy of lung cancer

Learning resources (reading list)

Core texts

You are advised to read the following key papers

- Relevant chapters in **Oxford Textbook of Oncology**, Souhami, Tannock, Hohenberger & Horiot, 2nd edition, 2002 (Oxford University Press)
- Relevant chapters in **Treatment of Cancer**, Price, Sikora & Illidge, 5th edition, 2008 (Hodder and Arnold)

Details of further readings on specific sub-topics may be identified during teaching on the module.

5 Head and Neck

Indicative syllabus content

This core topic area covers head and neck cancers, including:

- Surgical Management of head and neck cancer
- Radiotherapy Fractionation studies in head and neck cancer
- Tumours of the oral cavity
- Tumours of the nasopharynx and paranasal sinuses
- Tumours of the larynx (supraglottis, glottis subglottis)
- Rehabilitation of the head and neck cancer patient

Learning resources (reading list)

Core texts

You are advised to read the following key papers

- Relevant chapters in **Oxford Textbook of Oncology**, Souhami, Tannock, Hohenberger & Horiot, 2nd edition, 2002 (Oxford University Press)
- Relevant chapters in **Treatment of Cancer**, Price, Sikora & Illidge, 5th edition, 2008 (Hodder & Arnold)

Details of further readings on specific sub-topics may be identified during teaching on the module.

6 Central Nervous System

Indicative syllabus content

This specialist topic area covers:

- Care of brain tumour patients
- Biology of gliomas
- Management of high grade gliomas
- Management of low grade astrocytoma and oligodendroglioma
- Spinal and cranial ependymoma and spinal astrocytoma
- Sellar and parasellar tumours – craniopharngioma, pituitary ademoma and meningioma
- Primary CNS lymphoma & cranial germ cell tumours

Teaching as part of this block also includes the related topic of:

- Proton Therapy

Learning resources (reading list)

Core texts

You are advised to read the following key papers

- Relevant chapters in **Oxford Textbook of Oncology**, Souhami, Tannock, Hohenberger & Horiot, 2nd edition, 2002 (Oxford University Press)
- Relevant chapters in **Treatment of Cancer**, Price, Sikora & Illidge, 5th edition, 2008 (Hodder and Arnold)

Details of further readings on specific sub-topics may be identified during teaching on the module.

7 Lymphoma and Haematological

Indicative syllabus content

This specialist topic area covers:

- Overview of Paediatric and Adult Leukemia
- Hodgkins Lymphoma
- Non-Hodgkins Lymphoma
- CNS Lymphoma
- Multiple Myeloma and Plasmacytoma

Learning resources (reading list)

Core texts

You are advised to read the following key papers

- Relevant chapters in **Oxford Textbook of Oncology**, Souhami, Tannock, Hohenberger & Horiot, 2nd edition, 2002 (Oxford University Press)
- Relevant chapters in **Treatment of Cancer**, Price, Sikora & Illidge, 5th edition, 2008 (Hodder & Arnold)

Details of further readings on specific sub-topics may be identified during teaching on the module.

8 Paediatric and Teenage Young Adult

Indicative syllabus content

This specialist topic area covers:

- Paediatric chemotherapy
- Paediatric radiotherapy
- Brain tumours in young children
- Neuroblastoma
- Hepatoblastoma
- Renal tumours
- Retinoblastoma
- Rhabdomyosarcoma
- Medulloblastoma / PNET

Learning resources (reading list)

Core texts

You are advised to read the following key papers

- Relevant chapters in **Oxford Textbook of Oncology**, Souhami, Tannock, Hohenberger & Horiot, 2nd edition, 2002 (Oxford University Press)
- Relevant chapters in **Treatment of Cancer**, Price, Sikora & Illidge, 5th edition, 2008 (Hodder and Arnold)
- Relevant chapters in **Paediatric Oncology**, ed. Pinkerton R, Plowman PN & Pieters R, 2004 (Hodder & Arnold)

Additional general reading

Details of further readings on specific sub-topics may be identified during teaching on the module.

9 Oncology in the Developing World and Late Effects

Indicative syllabus content

This specialist topic area covers:

- Bowel toxicity of cancer treatments
- Cardiac complications of chemotherapy
- Haematological complications of cancer therapy
- Second malignancy
- Late effects of Radiotherapy
- Infertility, sexuality and body image

Learning resources (reading list)

Core texts

You are advised to read the following key papers

- Relevant chapters in **Oxford Textbook of Oncology**, Souhami, Tannock, Hohenberger & Horiot, 2nd edition, 2002 (Oxford University Press)
- Relevant chapters in **Treatment of Cancer**, Price, Sikora & Illidge, 5th edition, 2008 (Hodder & Arnold)

Details of further readings on specific sub-topics may be identified during teaching on the module.

10 Thyroid and Endocrine

Indicative syllabus content

This specialist topic area covers:

- Thyroid Cancer
- Endocrine Tumours

Learning resources (reading list)

Core texts

You are advised to read the following key papers

- Relevant chapters/sections in **Oxford Textbook of Oncology**, Souhami, Tannock, Hohenberger & Horiot, 2nd edition, 2002 (Oxford University Press)
- Relevant chapters/sections in **Treatment of Cancer**, Price, Sikora and Illidge, 5th edition, 2008 (Hodder & Arnold)

Details of further readings on specific sub-topics may be identified during teaching on the module.

11 Appendix –timetable 2016/17

The dates on which module teaching is scheduled to take place are as below, with major sections of the module indicated. Please this timetable may be subject to change. Any changes will be communicated to registered students by the Course Administration team.

A detailed session timetable will be distributed separately to this Module Guide, and made available on Canvas.

10th Mar	CTr2: Breast	Cancer in Context
17th Mar	CTr2: Breast	Cancer in Context
24th Mar	**EASTER BREAK**	
31st Mar	CTr2: Breast	Cancer in Context
7th Apr	CTr2: Breast	Cancer in Context
14th Apr	CTr2: Breast	Cancer in Context
21st Apr	CTr2: Breast	Cancer in Context
28th Apr	CTr2: Head & Neck	CTr2: Lung
5th May	CTr2: Head & Neck	CTr2: Lung
12th May	CTr2: Head & Neck	CTr2: Lung
19th May	CTr2: Head & Neck	CTr2: Lung
26th May	Part C Meeting (9.30 - 10.15) CTr2: Head & Neck	CTr2: Lung
2nd Jun	CTr2: Head & Neck	CTr2: Head & Neck
9th Jun	CTr2: CNS	CTr2: CNS
16th Jun	CTr2: CNS	CTr2: CNS
23rd Jun	CTr2: Lymphoma & Haematology	CTr2: Lymphoma & Haematology
30th Jun	CTr2: Lymphoma & Haematology	CTr2: Oncology in the low/middle Income Countries
7th Jul	CTr2: Late Effects	CTr2: Living with and Beyond Cancer
14th Jul	CTr2: Paediatric/TYA	CTr2: Paediatric/TYA

- Dates for the ‘Cancer in Context’ module are also shown above where this runs in parallel to Cancer Treatments 2.