

TEACHING COURSE 2011

WWW.NZRADBI02011.ORG
WWW.ESTRO-EDUCATION.ORG

COURSE DIRECTOR

A. van der Kogel (NL)

TEACHERS

W. Dörr (DE)

V. Grégoire (BE)

M. Joiner (USA)

M. Nordmark (DK)

B. Wouters (CA)

BASIC CLINICAL RADIOBIOLOGY

30 October - 3 November 2011 • Rotorua, New Zealand

Endorsed by

ESTRO
school



30 JANUARY • 2 FEBRUARY
From 2D to 3D radiotherapy
BOGOTA, COLOMBIA

5-6 FEBRUARY
ESTRO/EANM Educational seminar on PET in radiation oncology
BRUSSELS, BELGIUM

6-10 FEBRUARY
Multidisciplinary teaching course on prostate cancer
LISBON, PORTUGAL

5-8 MARCH
ARC/ESTRO teaching course on Modern treatment of cervical cancer with a special focus on 3D image-based brachytherapy
CHANDIGARH, INDIA

6-10 MARCH **NEW!**
Advanced treatment planning
GENOVA, ITALY

25-28 MARCH
Combined chemotherapy treatment: biological basis, current applications and perspectives
PRAGUE, CZECH REPUBLIC

27-30 MARCH
Modern brachytherapy techniques
LJUBLJANA, SLOVENIA

27-31 MARCH
Dose modelling and verification for external beam radiotherapy
ATHENS, GREECE

2-5 APRIL
Multidisciplinary management of breast cancer
LUGANO, SWITZERLAND

11-15 APRIL
Radiotherapy treatment planning, principles and practice
DUBLIN, IRELAND

1-5 MAY
Basic clinical radiobiology
NIJMEGEN, THE NETHERLANDS

8 MAY
Pre-conference courses at ESTRO Anniversary
LONDON, UNITED KINGDOM

22-26 MAY
Physics for clinical radiotherapy
CHENGDU, CHINA

12-15 JUNE **NEW FORMAT**
Advanced teaching course on rectal cancer
LEEDS, UNITED KINGDOM

12-16 JUNE
Imaging and target volume determination in radiotherapy
LONDON, UNITED KINGDOM

19-23 JUNE
IMRT and other conformal techniques in practice
RENNES, FRANCE

26-28 JUNE
Brachytherapy for prostate cancer
POZNAN, POLAND

28 JUNE • 3 JULY
Evidence-based radiation oncology: a clinical refresher course with a methodological basis
ST PETERSBURG, RUSSIA

30 JUNE • 2 JULY
Multidisciplinary management of head and neck oncology
ISTANBUL, TURKEY

6-10 SEPTEMBER
Image-guided radiotherapy and chemotherapy in gynaecological cancer - focus on adaptive brachytherapy
IZMIR, TURKEY

11-15 SEPTEMBER
Radiotherapy with protons and ions
PARIS, FRANCE

18-22 SEPTEMBER
Advanced imaging course for physicists
BUDAPEST, HUNGARY

26-28 SEPTEMBER
Best practice in radiation oncology. A workshop to train RLT trainees
VIENNA, AUSTRIA

9-14 OCTOBER
Evidence-based radiation oncology: a clinical refresher course with a methodological basis
TOLEDO, SPAIN

16-20 OCTOBER
Physics for clinical radiotherapy
BOISA, PORTUGAL

16-20 OCTOBER
Imaging and target volume determination in radiotherapy
CAIRO, EGYPT

6-10 NOVEMBER
Image-guided radiotherapy in clinical practice
AMSTERDAM, THE NETHERLANDS

19-20 NOVEMBER
EANM/ESTRO Educational seminar on PET in radiation oncology
VIENNA, AUSTRIA

24-26 NOVEMBER
Multidisciplinary teaching course on lung cancer
MALAGA, SPAIN

1-3 DECEMBER
Paediatric radiation oncology
BRUSSELS, BELGIUM

4-6 DECEMBER **NEW!**
Modelling
FLORENCE, ITALY

4-8 DECEMBER
Advanced technologies
SINGAPORE, REPUBLIC OF SINGAPORE

INTERNATIONAL COURSE **NEW! NEW COURSE**
Molecular oncology for the radiation oncologist will be organised again in 2012

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COURSE AIM

The aim is to provide an introduction to radiation biology as applied to radiotherapy. It will cover the basic mechanisms of cell death/survival and the radiation response of tumors and normal tissues. Formulas of tissue tolerance will be explained. The biological basis for current approaches to the improvement of radiotherapy will be described including novel fractional schemes, retreatment, conformal radiotherapy, modification of hypoxia and combined radiotherapy/chemotherapy.

TARGET GROUP

The course is aimed at trainees in radiotherapy, radiation oncologists who recognize a lack of basic science or want to update their knowledge (i.e. for CME) and physicists who wish to familiarise themselves with this field.

EDUCATIONAL PROGRAMME

- A series of basic lectures introducing molecular and clinical radiobiology
- Radiobiology and (retreatment) tolerance of normal tissues
- Mechanisms and models of radiation cell killing
- The linear-quadratic approach to fractionation
- Molecular basis of radiation response

- Alternative fractionation schedules in radiotherapy
- Tumour hypoxia and the microenvironment
- Combined radiotherapy and chemotherapy
- The volume and dose-rate effect in radiotherapy
- Biological response modifiers and molecular approaches to therapy
- Protons and other particles in radiotherapy
- Radiation-induced malignancies

WORKING SCHEDULE

The course starts on Sunday 30 October at 09:00 and ends on Thursday 3 November at 15:30. To be able to start on time, registration will be available between 17:00 and 19:00 on Saturday 29 October.

LANGUAGE

The course is conducted in English. No simultaneous translation will be provided.

PRACTICAL ORGANISATION

Course organisation

For further information please contact:

The Conference Company
E-mail: nzradio2011@tcc.co.nz
Tel.: +64 3 365 2217
Fax: +64 3 365 2247
www.nzradio2011.org

Course venue

Millennium Hotel
Rotorua, New Zealand

Sponsoring opportunities

Companies interested in sponsoring opportunities during this teaching course should contact:

Richard Dove
Medical Physics and Bioengineering
Christchurch Hospital
Christchurch, New Zealand
E-mail: Richard.Dove@cdhb.govt.nz
Tel.: +64 3 364 0852
Fax: +64 3 364 0851

Accommodation

Available when completing online registration:
www.nzradio2011.org

REGISTRATION

Registration will be available from February 2011 at: www.nzradio2011.org
These pages offer the guarantee of secured online payments.

If online registration is not possible please contact us:

ESTRO Course Managers
PO Box 3727 - Christchurch, NZ
Tel.: +64 3 365 2217 • Fax: +64 3 365 2247
E-mail: nzradio2011@tcc.co.nz

REGISTRATION FEES

	Early Bird Rate up to 31/07/11	Standard Rate from 01/08/11
Members of ESTRO, ACPSEM, RANZCR, NZIMRT	\$1,450	\$1,690
Non members	\$1,690	\$1,930

All fees are in New Zealand dollars and include New Zealand GST. The fee includes a course book, morning and afternoon tea, lunches, a welcome reception and social dinner.

ADVANCE REGISTRATION AND PAYMENT ARE REQUIRED

Since the number of participants is limited, early registration is advised.

TERMS AND CONDITIONS

In case of cancellation, full refund of the registration fee minus 15% for administrative costs may be obtained up to three months before the course and 50% of the fee up to one month before the course. No refund will be made if the cancellation request is received less than one month before the start of the course.