SPEAKERS:

HILDE BOSMANS: University Hospitals of the KU Leuven- EUREF Physics Steering Group member

DAVID DANCE: National Co-ordinating Centre for the Physics of Mammography - Guildford (UK)

PATRICE HEID: Arcades Marseille - EUREF Physics Steering Group member

MARTIN THIJSSEN: Chairman of the EUREF Physico-Technical Steering Group

RUBEN VAN ENGEN: LCRB National Expert and Training Centre for Breast cancer screening (Netherlands) - EUREF Physics Steering Group member

KENNETH YOUNG: National Co-ordinating Centre for the Physics of Mammography - Guildford (UK) - EUREF Physics Steering Group member

GENERAL INFORMATION:

PLACE
HOTEL TUSCANY INN
Via Cividale, 86/E
MONTECATINI TERME (PT)
Tel. +39-0572-70302

SCIENTIFIC COMMITTEE:
BARBARA LAZZARI
Medical Physics Dept.
General Hospital of Pistoia
Health Unit 3 of Pistoia

CONTACT DETAILS:
MRS. ANNA MARIA GALLI
Training Office
Health Unit 3 of Pistoia
voice. +39–0573-353501
Fax +39–0573-353502

TERMS AND CONDITIONS:
Registration fee: the course is free.
Max number of participants: the course is limited to 50 attendees (38 medical physicists and 12 radiographers).
For registration see contact details above.
Deadline for registration: April 3rd.

EUREF

QC in Digital Mammography and Digital Breast Tomosynthesis

April 13th, 2012

MONTECATINI TERME (PT)

Hotel Tuscany Inn
Via Cividale, 86/E
Montecatini Terme
Tel. 0572/70302
www.hoteltsucanyinn.com

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Con il patrocinio:
INTRODUCTION

The ‘European guidelines for quality assurance in breast cancer screening and diagnosis’ (European Guidelines, 2006) include as chapter 2 the ‘European protocol for the quality control of the physical and technical aspects of mammography screening’. In this protocol the requirements for (digital) mammography imaging system are defined. Due to the rapid developments in imaging technology in recent years and further experience with digital mammography systems, some updating of the protocol is required and will be supplied by the EUREF in the form of a supplement around May 2012. In the past years Digital Breast Tomosynthesis (DBT) has been an active area of research. Currently the first clinical systems are introduced on the market and many more systems of other brands are in different stages of development. Available DBT systems differ substantially; this is partly because the task for DBT systems is not yet fully known. The EUREF is also developing a new protocol for quality control in DBT in order to provide local medical physicists, who are supposed to accept those systems, with some physico-technical tests.

During the course, new supplement for the QC in digital mammography will be presented together with the draft of DBT QC protocol, including some open issues related to quality control procedures and dose measurements. The aim of the course is to support the local medical physicists community in adopting European protocols for quality control in mammography and compare qc data within Europe.

COURSE PROGRAMME

9.00 – 9.15 Opening (A. Scarafuggi)
9.15 – 9.30 Introduction (M. Thjissen)
9.30 – 10.00 Type tests (K. Young)
10.00 – 10.45 QC Mammo (R. Van Engen)
10.45 – 11.15 CD MAM Open issues (K. Young)
11.15 – 11.30 Coffee Break
11.30 – 12.00 DBT – Overview (P. Heid)
12.00 – 12.30 Dose in Tomo (D. Dance)
12.30 – 13.15 QC in Tomo (H. Bosmans)
13.15 – 13.45 Discussion
13.45 – 14.00 Closing (M. Rosselli Del Turco)