

THE BITS AND BYTES OF DIGITAL RADIOLOGY CONTINUING EDUCATION COURSE ON DIGITAL RADIOLOGY October 27 and 28, 2005 Amsterdam The Netherlands

After the great success of the Bits and Bytes courses in previous years, we have the pleasure to announce the next course which will be held on Thursday October 27 and Friday October 28, 2005 in Amsterdam.

Digital Radiology

Digital Radiology is rapidly becoming a well-accepted tool for oral and maxillofacial radiology. A large number of systems for intra- and extra-oral radiography is available at this moment. This course will highlight specific features of each of the technologies and compare them with conventional film based imaging, to support the selection process of the appropriate equipment.

It's not just the system hardware that is important. Software to help the dentist diagnose is equally important. Digital radiography offers the possibility to extract more information from the radiographic images we use, compared to conventional film images. During the course, participants will have ample time to experience the use of dedicated software for image acquisition, storage and retrieval, as well as computer-aided image analysis and interpretation/diagnosis, including digital subtraction radiography.

The third topic of this course is the implementation of digital radiology in larger organizations, such as a Dental School. The architecture of the infrastructure, integration of sensor systems from different manufacturers into one single image database, seamless coupling with the Patient Management System, authorization levels for different users and system reliability and security are just a few issues that will be addressed.

Sessions taught

One day will focus on digital radiography as a *diagnostic instrument*. Sessions which cover subtraction radiography, contrast and density enhancement, gamma correction, and geometric reconstruction as well as quality assurance of imaging procedures and appropriate digital image correction and diagnostic optimization will be taught.

The other day will cover the requirements for the *integration of digital systems* into the dental office. Special attention will be given to the introduction of digital radiology in a *filmless dental school* combining digital systems from multiple manufacturers. Technical as well as organizational aspects will be presented, as well as the need for a standardized database structure.

Participants

The course is intended for:

- Dentists,
- Oral radiologists,
- Oral surgeons, orthodontists, dentists specialized in periodontology, endodontology, cariology, and implantology and other dental specialists using maxillofacial radiology as a diagnostic tool
- Clinicians responsible for the implementation of digital radiography and the selection of digital equipment.

The lecturers

The primary course leaders will be **Paul F. van der Stelt** (DDS, PhD) and **Gerard C.H. Sanderink** (DDS, PhD).

Paul van der Stelt received his training as a Dentist and an Oral Radiologist. He is chairman of the department of Oral and Maxillofacial Radiology of the Academic Centre for Dentistry in Amsterdam, The Netherlands. His main research interest is in digital radiology. He has been a keynote speaker of numerous conferences.

Gerard C.H. Sanderink is also a dentist by training and a senior staff member of the department of Oral and Maxillofacial Radiology. He is recognized as an expert in digital radiology and system performance, and has great experience in the development and application of computer aided learning methods.

Other lecturers with a thorough knowledge of various aspects of digital radiology will participate in the course.

ACTA was the first dental school in the world where digital radiography was completely integrated into the patient management software to create a school wide paper- and filmless environment

Course facilities

The course is practical in nature and exercises will reinforce the lecture information. The course is partly utilizing the Emago/Advanced software package for computer-aided image interpretation.

Limited Attendance

The number of participants is limited to 20 persons, to facilitate ample interaction between the lecturers and the delegates.

Dates and location

This course will take place on Thursday October 27 and Friday October 28, 2005 at ACTA, Amsterdam, The Netherlands.

Course fee

The course fee is € 625,- . This includes registration, all course materials, lunches and a social event with dinner on Thursday evening.

Registration

Registration is done by sending the registration form to the course secretariat and by paying the course fee. The course fee can be paid by creditcard (Eurocard/Mastercard or VISA), by Eurocheque, or by Bank Transfer. Please indicate on the registration form which method you used. Registration is only final after your registration form and course fee have been received.

The following refunds will be made in case of cancellation: before September 1, 75%; between 1 September and October 1st 50% and after October 1st no refund.

Accompanying persons

Amsterdam is a nice city to stroll around. There are numerous shops, and its museums are worth a visit. World famous museums are the Van Gogh Museum, the Rijksmuseum (National Gallery of Art), and the Stedelijk Museum. Travel agencies can assist you in selecting half day and one day trips to traditional villages around Amsterdam. The fee for accompanying persons is € 75, - for the social event and the dinner on Thursday evening.

Acommodation

Amsterdam has a wide variety of hotels in different price categories. Hotels and other information on Amsterdam can be found on the web (<http://www2.holland.com/amsterdam/gb/>).

If you need any assistance when booking your hotel, you can contact the Course Secretariat, Mrs. Yvonne Emmer (see address below).

Further information

If you need any assistance, please send a letter, fax or e-mail to the course secretariat:

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