OSTEOPOROSIS ESSENTIALS: DENSITOMETRY DIAGNOSIS & MANAGEMENT COURSE

CME credits
An IOF - ISCD course offered by OSTEOS

November 1 - 2, 2013
Gefinor Rotana Hotel Beirut, Lebanon
The Clinician Track consists of 13 modules, with a suggested core set of slides developed by the joint course committee (identified below with *). The intended audience includes those involved in the performance and interpretation of DXA scans and those involved in the diagnosis, treatment and management of osteoporosis. It is estimated course will take 13 hours of lecture time. The 13 modules are as noted below:

1. Overview of Osteoporosis*
2. Bone Measurement Device Operating Principles*
3. X-ray Science, Radiation Safety and Quality Assurance*
4. Clinical Evaluation of Bone Health*
5. Use of Bone Densitometry for the Diagnosis of Osteoporosis*
6. Fracture Risk Assessment*
7. Monitoring Treatment of Osteoporosis*
9. Clinical Management Part 2: Pharmacologic Treatment Continued*
10. Clinical Management Part 3: Further Pharmacologic Treatment Considerations*
11. Principles of DXA Scan Interpretation*
12. Principles of Reporting DXA Scans*
13. Cases for Discussion

LOCAL FACULTY
Ghada El-Hajj Fuleihan MD, MPH, CCD
Course Director
Founding President OSTEOS
Director
Calcium Metabolism & Osteoporosis Program
WHO Collaborating Center for Metabolic Bone Disorders
American University of Beirut
Beirut-Lebanon

INTERNATIONAL FACULTY
Didier Hans PhD, MBA, CDT, CCD
Past President - International Society Clinical Densitometry
Head of Research & Development
Center of Bone Diseases
Lausanne University Hospital (CHUV - DAL)
1011 Lausanne – Switzerland

David Kendler MD, FRCPC
Associate Professor of Medicine
University of British Columbia
Prohealth, 150-943 W Broadway
Vancouver BC V5Z 4E1-Canada

COURSE SCHEDULE
DAY ONE: Friday November 1: 08:00 - 18:00
DAY TWO: Saturday November 2: 08:00 - 13:30
Including: Scientific sessions access, CME credits, breakfast, coffee breaks, Lunch served on November 1.
### DAY 1 LECTURES (08:00 - 18:00)

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<td>07:30-08:00</td>
<td><strong>REGISTRATION</strong></td>
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<td>08:00-09:00</td>
<td><strong>COMMON SESSIONS:</strong></td>
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|            | Lecture 1: **Overview of Osteoporosis**  
Ghada El Hajj Fuleihan                          |
| 09:00-10:00| Lecture 2: **Bone Measurement Device Operating Principles**  
David Kendler                                   |
| 10:00-10:30| **COFFEE BREAK**                                                        |
| 10:30-11:30| Lecture 3: **X-Ray Science, Radiation Safety and Quality Assurance**  
Didier Hans                                     |
|            | **SPECIALIZED SESSIONS**                                                 |
| 11:30-12:30| Lecture 4: **Clinical Evaluation of Bone Health**  
Ghada El Hajj Fuleihan                           |
| 12:30-13:30| **LUNCH**                                                                |
| 13:30-14:30| Lecture 5: **Use of Bone Densitometry for the Diagnosis of Osteoporosis**  
David Kendler                                    |
| 14:30-15:30| Lecture 6: **Fracture Risk Assessment**  
Ghada El Hajj Fuleihan                           |
| 15:30-16:00| **COFFEE BREAK**                                                        |
| 16:30-17:00| Lecture 7: **Monitoring Treatment of Osteoporosis**  
Didier Hans                                     |
| 17:00-18:00| Lecture 8: **Clinical Management Part 1: Non-pharmacologic, Estrogen & SERM Treatment**  
David Kendler                                    |

### DAY 2 LECTURES (08:00 - 13:30)

<table>
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<tr>
<th>Time</th>
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| 08:00-09:00| Lecture 9: **Clinical Management Part 2: Pharmacologic Treatment continued**  
Ghada El Hajj Fuleihan                           |
| 09:00-10:00| Lecture 10: **Clinical Management Part 3: Further Pharmacologic Treatment Considerations**  
David Kendler                                    |
| 10:00-10:30| **COFFEE BREAK**                                                        |
| 10:30-11:30| Lecture 11: **Principles of DXA Scan Interpretation**  
Didier Hans                                     |
| 11:30-12:30| Lecture 12: **Principles of reporting DXA scans**  
David Kendler                                   |
| 12:30-13:30| Lecture 13: **Cases for discussion**  
Ghada El Hajj Fuleihan                           |
TECHNOLOGIST TRACK

The Technologist Track consists of 11 modules plus 2 case presentation modules, with a suggested core set of slides developed by the joint course committee (identified below with *). The intended audience includes those involved in performing bone densitometry scans. It is estimated that the course will take 13 hours of lecture time. The 13 modules are outlined below:

1. Overview of Osteoporosis*
2. Bone Measurement Device Operating Principles*
3. X-ray Science, Radiation Safety and Quality Assurance*
4. Principles of DXA SCAN Interpretation*
5. Quality Control*
6. Role of the Technologist*
7. Anatomy, Positioning & Acquisition - Spine*
8. Anatomy, Positioning & Acquisition – Femur and Forearm*
9. Vertebral Fracture Assessment*
10. Scan Analysis*
11. Clinical Management of the Osteoporotic Patient*
12. Case-based Clinical Application
13. Clinical Case review

The Technologist Track will offered alongside with the Clinician Track.

COURSE FACULTY

The course faculty are all full-time Faculty members

LOCAL FACULTY
Asma Arabi MD, MSc, CCD
Associate Professor of Medicine
Division of Endocrinology
American University of Beirut
Beirut-Lebanon
USA ISCD Faculty

INTERNATIONAL FACULTY
Didier Hans PhD, MBA, CDT, CCD
Past President - International Society Clinical Densitometry
Head of Research & Development
Center of Bone Diseases
Lausanne University Hospital (CHUV - DAL)
1011 Lausanne – Switzerland

Marc-Antoine Krieg MD
Titular professor
Service of rheumatology
University Hospital of Lausanne
1011 Lausanne, Switzerland

COURSE SCHEDULE
DAY ONE: Friday November 1: 08:00 - 18:00
DAY TWO: Saturday November 2: 08:00 - 13:30

Including: Scientific sessions access, CME credits, breakfast, coffee breaks, lunch served on November 1.
DAY 1 LECTURES (08:00 - 19:00)

07:30-08:00 REGISTRATION

COMMON SESSIONS:

08:00-09:00 Lecture 1: Overview of Osteoporosis
Ghada El Hajj Fuleihan

09:00-10:00 Lecture 2: Bone Measurement Device Operating Principles
David Kendler

10:00-10:30 COFFEE BREAK

10:30-11:30 Lecture 3: X-Ray Science, Radiation Safety and Quality Assurance
Didier Hans

SPECIALIZED SESSIONS

11:30-12:30 Lecture 4: Principles of DXA Scan Interpretation
Asma Arabi

12:30-13:30 LUNCH

13:30-14:30 Lecture 5: Quality Control
Marc Antoine Krieg

14:30-15:30 Lecture 6: Role of the Technologist
Marc Antoine Krieg

15:30-16:00 COFFEE BREAK

16:00-17:00 Lecture 7: Anatomy, Positioning and Acquisition – Spine
Asma Arabi

17:00-18:00 Lecture 8: Anatomy, Positioning and Acquisition – Femur & Forearm
Asma Arabi

DAY 2 LECTURES (08:00 - 13:30)

08:00-09:00 Lecture 9: Vertebral Fracture Assessment
Marc Antoine Krieg

09:00-10:00 Lecture 10: Scan Analysis
Didier Hans

10:00-10:30 COFFEE BREAK

10:30-11:30 Lecture 11: Clinical Management of the Osteoporotic Patient
Asma Arabi

11:30-12:30 Lecture 12: Case-based Clinical Application
Asma Arabi

12:30-13:30 Lecture 13: Clinical Case review
Marc Antoine Krieg
ATTESTATION EXAM

The Attestation Exam is optional. Course participants will receive an email after completion of the course with instruction on how to pay for and/or to access the exam. Upon passing the attestation exam, the examinees shall receive an Attestation of Achievement indicating they have mastered the material taught in the course.

This is not a certification exam. The Attestation Exam consists of 60 questions, a passing score will be 70%, and course participants will be able to retake a different version of the exam until they successfully complete. However, it is envisioned that the Attestation of Achievement will serve as proof a person has mastered the contents of this course, and will be the commonly accepted method of assessment outside the US.

CERTIFICATION

ISCD also offers a Certification Program, which includes Certification for Clinicians (Certified Clinical Densitometrist – CCD) and for Technologists (Certified Bone Densitometry Technologists – CBDT). This Certification is independent of the course. Course participants who desire certification should go to the ISCD website to obtain the appropriate application form, review testing procedures, and review qualifications and fees. However, please note that one does NOT need to take a course to sit for the certification exam, but a mastery of the Body of Knowledge (provided on the ISCD website) is necessary to successfully pass either Certification Exam.

Upon successful completion of the Certification Exam an individual will be awarded certification for a period of 5 years for CCD and 3 years for CBDT. The certification exams can be taken in Commercial test centers to be coordinated by the course organizers. The cost of the certification exam ranges from 225 - 450 USD depending upon which certification and membership type.
OSTEOPOROSIS ESSENTIALS: DENSITOMETRY, DIAGNOSIS AND MANAGEMENT

Is offered by
LEBANESE SOCIETY FOR OSTEOPOROSIS AND METABOLIC BONE DISORDERS - OSTEOS

In collaboration with
INTERNATIONAL SOCIETY OF CLINICAL DENSITOMETRY
INTERNATIONAL OSTEOPOROSIS FOUNDATION

REGISTRATION FEES:
Physicians 150$
Technicians 100$

Include coffee breaks, lunch, Syllabus and CME

PLATINUM SPONSOR:

GOLD SPONSOR:

OTHER SPONSOR:

Preregistration and confirmation are required on the below contact details:
Tel/Fax: +961 1 333900 - +961 1 333130
Email: executive@trust-traders.com
Website: www.trust-traders.com