OSTEOPOROSIS ESSENTIALS: DENSITOMETRY, DIAGNOSIS & MANAGEMENT

CME credits
An IOF-ISCD Course Offered by OSTEOS

Program

November 25-26, 2015
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

**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

Didier Hans PhD, MBA, CDT, CCD
Past President - International Society Clinical Densitometry
Head of Research & Development
Center of Bone Diseases
Lausanne University Hospital
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: Wednesday November 25: 08:00 - 18:00
DAY TWO: Thursday November 26: 08:00 - 13:30

Including: Scientific Sessions Access, CME Credits, Coffee Breaks, Lunch served on November 25.
### DAY 1 LECTURES (08:00 - 18:00)

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

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>08:00-09:00</td>
<td>Lecture 9: Clinical Management Part 2: Pharmacologic Treatment continued</td>
</tr>
<tr>
<td>09:00-10:00</td>
<td>Lecture 10: Clinical Management Part 3: Further Pharmacologic Treatment Considerations</td>
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<tr>
<td>10:00-10:30</td>
<td><strong>COFFEE BREAK</strong></td>
</tr>
<tr>
<td>10:30-11:30</td>
<td>Lecture 11: Principles of DXA Scan Interpretation</td>
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<tr>
<td>11:30-12:30</td>
<td>Lecture 12: Principles of reporting DXA scans</td>
</tr>
<tr>
<td>12:30-13:30</td>
<td>Lecture 13: Cases for discussion</td>
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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

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

Didier Hans PhD, MBA, CDT, CCD
Past President - International Society Clinical Densitometry
Head of Research & Development
Center of Bone Diseases
Lausanne University Hospital
Switzerland

Susan Vanderkamp RN CDT
Director Bone and Joint Unit
Clinical Nurse Specialist Osteoporosis
DXA Manager
Germany

COURSE SCHEDULE
DAY ONE: Wednesday November 25: 08:00 - 18:00
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DAY 1 LECTURES (08:00 - 19:00)

07:30-08:00  REGISTRATION

COMMON SESSIONS:
08:00-09:00  Lecture 1: Overview of Osteoporosis
09:00-10:00  Lecture 2: Bone Measurement Device Operating Principles

10:00-10:30  COFFEE BREAK

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

SPECIALIZED SESSIONS:
11:30-12:30  Lecture 4: Principles of DXA Scan Interpretation

12:30-13:30  LUNCH

13:30-14:30  Lecture 5: Quality Control
14:30-15:30  Lecture 6: Role of the Technologist

15:30-16:00  COFFEE BREAK

16:00-17:00  Lecture 7: Anatomy, Positioning and Acquisition – Spine
17:00-18:00  Lecture 8: Anatomy, Positioning and Acquisition – Femur & Forearm

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

08:00-09:00  Lecture 9: Vertebral Fracture Assessment
09:00-10:00  Lecture 10: Scan Analysis

10:00-10:30  COFFEE BREAK

10:30-11:30  Lecture 11: Clinical Management of the Osteoporotic Patient
11:30-12:30  Lecture 12: Case-based Clinical Application
12:30-13:30  Lecture 13: Hands on Application: FRAX adjusted by TBS/ Clinical cases
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 5 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 200$
Technicians 100$

Include coffee breaks, lunch, Syllabus and CME

PLATINUM SPONSOR ADD

COURSE SUPPORTERS:

GOLD SPONSOR:

OTHER SPONSOR:

Preregistration and confirmation are required on the below contact details:
Tel/Fax: +961 1 333900 - +961 1 333130
Email: executive1@trustandtraders.com
Website: www.trustandtraders.co