

OSTEOPOROSIS  
ESSENTIALS:  
DENSITOMETRY  
DIAGNOSIS  
& MANAGEMENT  
C O U R S E

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**CME credits**

An IOF - ISCD course  
offered by OSTEOS

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**November 1 - 2, 2013**

Gefinor Rotana Hotel Beirut, Lebanon

## CLINICIAN TRACK

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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\*
- 8 Clinical Management Part 1: Non-Pharmacologic, Estrogen & SERM Treatment\*
- 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

## CLINICIANS COURSE FACULTY

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### 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, breakfasts, coffee breaks, Lunch served on November 1.

## DAY 1 LECTURES (08:00 - 18:00)

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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: **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)

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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

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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

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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,  
breakfasts, coffee breaks, Lunch served on November 1.

## DAY 1 LECTURES (08:00 - 19:00)

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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)

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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

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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

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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

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*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

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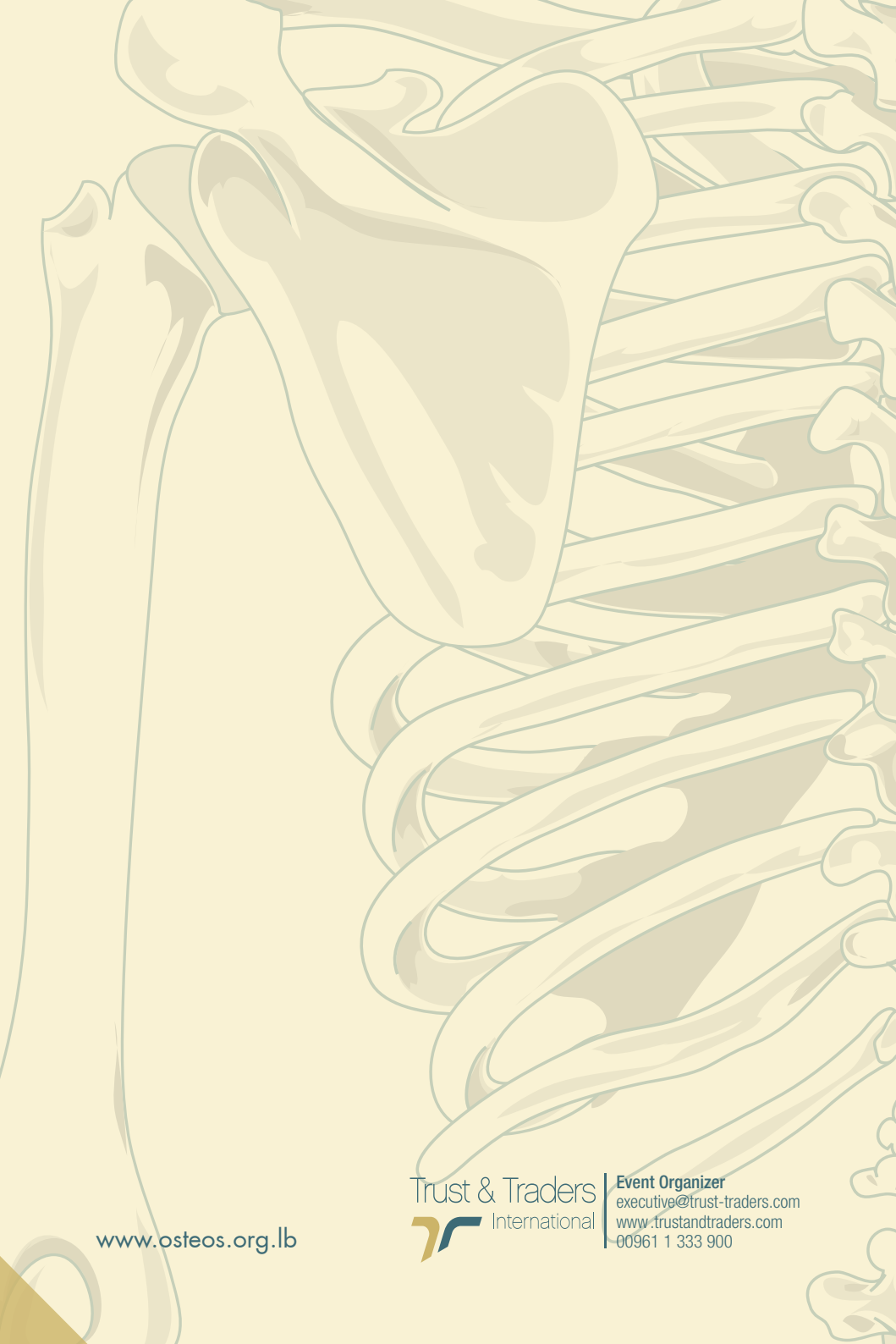


Preregistration and confirmation are required on the below contact details:

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