



IOF Osteoporosis Diagnosis Course, with Densitometry Certification 4th PAOS Course

Date: 5.-6. March 2008

Location: Festival City, Dubai

Course Agenda

IOF Speakers: René Rizzoli, Marius Kraenzlin
PAOS Speakers: Abdul Rahim Al Suhaili, Basel Masri
International Speaker: Aliya Khan

Day 1	Wednesday 5. March	Speaker
09.00-09.15h	Welcome and Overview	A.R. Al Suhaili M.Kraenzlin
09.15-10.00h	Osteoporosis: The Scope of the Problem <ul style="list-style-type: none"> - Epidemiology - Morbidity and mortality - Health economic impact - Under-diagnosis of osteoporosis 	A.Khan
10.00-10.45h	Pathophysiology of Osteoporosis <ul style="list-style-type: none"> - Bone structure / Modeling / Remodeling - Peak bone mass - Bone loss with aging 	M.Kraenzlin
10.45-11.15h	Break	
11.15-12.00h	Clinical Evaluation <ul style="list-style-type: none"> - Clinical findings - Risk factors - Laboratory assessment (including biochemical markers) - Differential diagnosis (1° vs 2° osteoporosis) - Radiographic assessment 	B.Masri
12.00-12.45h	Overview of Bone Densitometry Methods <ul style="list-style-type: none"> - X-ray methods - Ultrasound methods 	R.Rizzoli
12.45-13.30h	Radiation Safety and Quality Control <ul style="list-style-type: none"> - X-ray physics and biology - Safety for patient and operator - Principles of quality control 	M.Kraenzlin
13.30-14.30h	Lunch	
14.30-15.15h	Diagnostic Use of Densitometry I: Basics <ul style="list-style-type: none"> - Definitions: WHO definition, T- and Z-scores - Diagnosis in men, children and non-Caucasians 	A.R. Al Suhaili
15.15-16.00h	Diagnostic Use of Densitometry II: Interpretation and pitfalls <ul style="list-style-type: none"> - Patient positioning - Scan-analysis - Interpretation principles - Pitfalls 	A.R. Al Suhaili
16.00-16.30h	Break	

16.30-17.15h	Risk Assessment: <ul style="list-style-type: none"> - Technology performance - Bone mineral density and fracture risk - Relative versus absolute risk - Risk prediction beyond bone densitometry 	M.Kraenzlin
17.15-18.00h	Vertebral Fracture Assessment <ul style="list-style-type: none"> - Significance of fracture detection - Visual semiquantitative assessment of fracture 	R.Rizzoli
Day 2	Thursday 6.March	
09.00-09.45h	Monitoring Skeletal Changes <ul style="list-style-type: none"> - Precision and least significant change - Regression to the mean - BMD changes on therapy and fracture risk reduction - BMD versus biochemical markers in the assessment of therapeutic response 	M.Kraenzlin
09.45-10.30h	Clinical Management: Prevention <ul style="list-style-type: none"> - Non pharmacologic preventive measures - Pharmacological prevention 	B.Masri
10.30-11.15h	Clinical Management: Treatment <ul style="list-style-type: none"> - Drugs used in osteoporosis therapy - Bone resorption inhibition versus bone formation stimulating treatment - Indications for treatment 	R.Rizzoli
11.15-12.00h	Clinical Cases	M.Kraenzlin
12.00-12.30h	Break	
12.30-14.00h	Certification Examination	M.Kraenzlin
14.00-14.30h	Discussion of Examination / Answers to Questions	R.Rizzoli, M.Kraenzlin