







# Basic DXA Course - Clinicians

## About the Basic DXA Courses

The core elements of these programs is to provide a set of standard practices and information to raise the level of awareness and education in bone densitometry and osteoporosis. It will cover the latest techniques and knowledge on densitometry and the physiology, epidemiology, diagnosis and management of osteoporosis.

## Faculty

Chan Siew Pheng  
Malaysia

Chan Wing P  
Taiwan

Chionh Siok Bee  
Singapore

Manju Chandran  
Singapore

Paulo Wu Chih Hsing  
Taiwan

Yeap Swan Sim  
Malaysia

## Programme Overview

**Date:** 19th March 2019 (Tuesday)

**Venue:** Level 6, Hilton Kuala Lumpur

Time	Programme
0630 - 1800	REGISTRATION COUNTER OPENS
0800 - 0830	Overview Of Osteoporosis
0900 - 0930	Bone Measurement Device Operating Principles
0930 - 1000	X Ray Science, Radiation Safety And Quality Assurance
1000 - 1030	TEA BREAK
1030 - 1110	Clinical Evaluation Of Bone Health
1110 - 1150	Use Of Bone Densitometry For The Diagnosis Of Osteoporosis
1150 - 1230	Fracture Risk Assessment
1230 - 1300	Monitoring Treatment Of Osteoporosis
1300 - 1400	LUNCH BREAK
1400 - 1500	Clinical Management Part 1 : Prevention
1500 - 1600	Clinical Management Part 2 : Pharmacological Treatment Continued
1600 - 1700	Clinical Management Part 3 : Further Pharmacological Treatment Considerations

**Date:** 20th March 2019 (Wednesday)

**Venue:** Level 6, Hilton Kuala Lumpur

Time	Programme
0630 - 2115	REGISTRATION COUNTER OPENS
0830 - 0910	Principles Of DXA Scan Interpretation
0910 - 1000	Principles Of DXA Scan Reporting
1000 - 1030	TEA BREAK
1030 - 1230	Cases For Discussion

## Registration Fee

Early Bird (USD) <i>(Ends On 19th January 2019)</i>	Post Early Bird (USD) <i>(20th January to 18th March 2019)</i>	Onsite (USD) <i>(19th March to 23rd March 2019)</i>
<b>ISCD Members</b>		
USD 250	USD 300	USD 350
<b>Non-Members</b>		
USD 350	USD 400	USD 450

For those interested in sitting for the CCD Certification Exam, please visit ISCD website at [www.iscd.org/certification](http://www.iscd.org/certification) to apply.

# Basic DXA Course - Technologist

## About the Basic DXA Courses

The core elements of these programs is to provide a set of standard practices and information to raise the level of awareness and education in bone densitometry and osteoporosis. It will cover the latest techniques and knowledge on densitometry and the physiology, epidemiology, diagnosis and management of osteoporosis.

## Faculty

Chanika Sritara  
Thailand

Chan Siew Pheng  
Malaysia

Chan Wing P  
Taiwan

Chieng Poon Ung  
Taiwan

Hew Fen Lee  
Malaysia

Zhao Yan Ling  
China

## Programme Overview

**Date:** 19th March 2019 (Tuesday)

**Venue:** Level 6, Hilton Kuala Lumpur

Time	Programme
0630 - 1800	REGISTRATION COUNTER OPENS
0800 - 0830	Overview Of Osteoporosis
0900 - 0930	Bone Measurement Device Operating Principles
0930 - 1000	X Ray Science, Radiation Safety And Quality Assurance
1000 - 1030	TEA BREAK
1030 - 1120	Principles Of DXA Scan Interpretation
1120 - 1210	Quality Assurance
1210 - 1300	Role Of The Technologist
1300 - 1400	LUNCH BREAK
1400 - 1500	Anatomy, Positioning And Acquisition - Spine
1500 - 1600	Anatomy, Positioning And Acquisition - Femur & Forearm
1600 - 1700	Vertebral Fracture Assessment

**Date:** 20th March 2019 (Wednesday)

**Venue:** Level 6, Hilton Kuala Lumpur

Time	Programme
0630 - 2115	REGISTRATION COUNTER OPENS
0830 - 0910	Scan Analysis
0910 - 1000	Clinical Management Of Osteoporotic Patient
1000 - 1030	TEA BREAK
1030 - 1130	Clinical Application
1130 - 1230	Clinical Cases

## Registration Fee

Early Bird (USD) <i>(Ends On 19th January 2019)</i>	Post Early Bird (USD) <i>(20th January to 18th March 2019)</i>	Onsite (USD) <i>(19th March to 23rd March 2019)</i>
<b>ISCD Members</b>		
USD 150	USD 180	USD 200
<b>Non-Members</b>		
USD 200	USD 220	USD 240

For those interested in sitting for the CBDT Certification Exam, please visit ISCD website at [www.iscd.org/certification](http://www.iscd.org/certification) to apply.

# Advanced DXA Course

## About the Advanced DXA Courses:

**1 Vertebral Fracture Recognition Course**  
This advanced densitometry course focuses on vertebral fracture imaging in order to advance the diagnosis and treatment of patients at risk of osteoporotic fractures. The importance of vertebral fractures in the clinical management of osteoporosis will be covered, including recognition on lateral spine images of a normal spine, vertebral fractures and other findings that may be confused with vertebral fractures. Fracture recognition, analysis and best-practice patient positioning will be detailed in order to ensure ideal image acquisition, interpretation and reporting.

**2 Pediatric Bone Densitometry Course**  
The Pediatric Bone Densitometry Course provides the most current research and best-practice techniques for obtaining and interpreting bone mineral density (BMD) measurements in children and adolescents. This educational program is designed to improve learner competence in the area of pediatric densitometry. Learners will have the opportunity to take the knowledge gained from this educational program and properly and consistently apply it into his/her professional practice.

**3 DXA Body Composition Analysis Course**  
This live course focuses on the increase of knowledge and competence of clinicians and other healthcare professionals in order to successfully use DXA body composition analysis in the management of obesity, geriatric sarcopenia and other low muscle mass states, general health and pediatric skeletal disease. The inclusion of case studies will reinforce the knowledge gained and allow for application in the diagnosis, treatment and therapies of patients presenting with low bone mineral density.

## Registration Fee

Doctors		
Early Bird (USD) <i>(Ends On 19th January 2019)</i>	Post Early Bird (USD) <i>(20th January to 18th March 2019)</i>	Onsite (USD) <i>(19th March to 23rd March 2019)</i>
ISCD Members		
USD 200	USD 250	USD 300
Non-Members		
USD 300	USD 350	USD 400

Radiographers		
Early Bird (USD) <i>(Ends On 19th January 2019)</i>	Post Early Bird (USD) <i>(20th January to 18th March 2019)</i>	Onsite (USD) <i>(19th March to 23rd March 2019)</i>
ISCD Members		
USD 100	USD 150	USD 200
Non-Members		
USD 150	USD 200	USD 250

## Faculty

- Babette Zemel (United States)
- Chieng Poon Ung (Taiwan)
- David Weber (United States)
- John J. Carey (United States)
- Paulo Wu Chih Hsing (Taiwan)
- Robert Blank (United States)

## Programme Overview

**Date:** 19th March 2019 (Tuesday)

**Venue:** Level 6, Hilton Kuala Lumpur

Time	Programme
0630 - 1800	REGISTRATION COUNTER OPENS
<b>DXA BODY COMPOSITION ANALYSIS COURSE</b>	
0830 - 0910	Methods Other Than DXA For Body Composition Testing
0910 - 1000	DXA Technology For Total And Regional Body Composition Measures
1000 - 1030	TEA BREAK
1030 - 1110	Scan Acquisition And Analysis
1110 - 1150	Body Composition Reporting And Reference Data
1150 - 1230	Current Uses Of DXA Body Composition In Clinical Practice And Research
1230 - 1310	Use Of DXA In Obesity And Sports, Commercial Applications And Future Uses
1310 - 1400	LUNCH BREAK
<b>VERTEBRAL FRACTURE RECOGNITION COURSE</b>	
1400 - 1430	Introduction To Vertebral Fracture Assessment
1430 - 1500	Technical Considerations
1500 - 1530	Vertebral Fracture Recognition And Interpretation
1530 - 1600	Principles Of Reporting VFA
1600 - 1630	Case Study Review And Workshop
1630 - 1700	Vertebral Fracture Recognition Workshop

**Date:** 20th March 2019 (Wednesday)

**Venue:** Level 6, Hilton Kuala Lumpur

Time	Programme
0630 - 2115	REGISTRATION COUNTER OPENS
0830 - 1000	<b>PEDIATRIC BONE DENSITOMETRY COURSE</b>
1000 - 1030	TEA BREAK
1030 - 1300	<b>PEDIATRIC BONE DENSITOMETRY COURSE</b>
1300 - 1400	LUNCH BREAK

Wednesday March 20, 2019		
6.30am	9.00pm	Registration
6.30pm	8.00pm	<b>Plenary : Keynote Speaker</b>
8.00pm	9.30pm	Opening Ceremony and Welcome Cocktails

Thursday March 21, 2019		
6.30am	5.30pm	Registration
7.00am	8.00am	<b>Office Hours 1</b>
8.00am	8.45am	<b>Plenary 1:</b> Osteoporosis: Lessons from the Past, Present & Future
8.45am	9.30am	<b>Plenary 2:</b> Assessing Skeletal Health / Emerging Technologies
9.30am	10.30am	<b>Tea Break with Exhibitors &amp; Poster Session</b>
		<b>Symposium:</b> Osteoporosis Epidemiology In Asia
10.30am	11.00am	<b>S1.1:</b> Burden And Risk Assessment
11.00am	11.30am	<b>S1.2:</b> DXA: Does It Have A Role In Clinical Decision Making?
11.30am	12.00pm	<b>S1.3:</b> FRAX In Asia? Are We Over Treating?
12.00pm	12.15pm	Q&A
12.15pm	1.00pm	Lunch Symposium
12.15pm	1.00pm	<b>Office Hours 2</b>
1.00pm	1.55pm	<b>Lunch Break at Lake Gardens Foyer</b>
2.00pm	2.55pm	<b>Meet The Experts D1.1:</b> DXA Pitfalls
		<b>Meet The Experts D1.2:</b> AFF
		<b>Meet The Experts D1.3:</b> The Other GIOP - Gynaecologist Induced Osteoporosis
		<b>Symposium :</b> DXA Quality Metrics
3.00pm	3.30pm	<b>S2.1:</b> Quality Assurance
3.30pm	4.00pm	<b>S2.2:</b> Phantoms, Positioning And Precision
4.00pm	4.30pm	<b>S2.3:</b> Calibration - How To Cross Calibrate
4.30pm	4.45pm	Q&A
4.45pm	5.30pm	<b>Tea Break with Exhibitors &amp; Poster Session</b>

		Friday March 22, 2019		
6.30am	5.30pm	Registration		
7.00am	8.00am	Office Hours 3		
8.00am	8.55am	Meet The Experts D2.1: DXA "Vertebral Fracture Recognition"	Meet The Experts D2.2: Artificial Intelligence And DXA	Meet The Experts D2.3: DXA Body Composition Clinical Relevance
9.00am	9.45am		Plenary 3: Ageing And Sarcopenia	
9.45am	10.30am	Tea Break With Exhibitors & Poster Session		
			Symposium: Special Population	
10.30am	11.00am	PDC - Monitoring: Serial Bone Measures With DXA	S3.1: Cancer And Bone	Master Class DXA 2
11.00am	11.30pm		S3.2: HIV And Bone	
11.30pm	12.00pm		S3.3: Diabetes and Bone	
12.00pm	12.15pm		Q&A	
12.15pm	1.00pm		Lunch Symposium	Lunch Symposium
1.00pm	1.55pm	Lunch Break at Lake Gardens Foyer		
2.00pm	2.55pm	Meet The Experts D2.4: DXA "Vertebral Fracture Recognition" (Repeated)	Meet The Experts D2.5: Recent Advancements in DXA Body Composition	Meet The Experts D2.6: DXA Body Composition Clinical Relevance (Repeated)
3.00pm	3.30pm	PDC Transgendering And DXA	Bone Turnover Markers Consensus In Asia Pacific	Oral Abstracts Young Investigator Awards
3.30pm	4.00pm			
4.15pm	5.00pm		Plenary 4 : Fragility Fracture Network "The Triad Of Orthopaedics, Geriatrics and Rehab"	
5.00pm	5.30pm	Tea Break With Exhibitors & Poster Session		

		Saturday March 23, 2019		
7.00am	9.00am	Registration		
				Symposium: Non-Pharmacological Treatment - Current Concepts / Controversies
8.00 am	8.30am			S4.1: Calcium and the Sunshine Pill : Bone of Contention
8.30 am	9.00am			S4.2: Exercise and Fall Reduction
9.00 am	9.15 am			Q&A
			Symposium: FLS - Capture the Fracture	
9.00am	9.30am	PDC Cross Calibration and LSC Update	S5.1: Evidence that makes a difference	
9.30am	10.00am		S5.2: Overcoming Barriers	
10.00am	10.30am		S5.3: Fracture Captured : What's Next? (Rehab)	
10.30am	10.45am		Q&A	
11.00am	12.30pm	Annual Business Meeting and Presidential Address (For ISCD Members)		



## Call For Abstracts

Abstract Submissions should relate to Osteoporosis and/or Fracture Prevention, Diagnosis or Treatment, Bone Densitometry or Body Composition and align with one of the following themes:

- Central DXA: (DXA, TBS).
- Non Central DXA: (QCT, pQCT, QUS, pDXA, FEA).
- Morphometric Measurements: (Body Composition, Vertebral Fracture Recognition, Hip Geometry).
- Risk Assessment and Epidemiology.
- Clinical Studies and Observations.
- Treatment: Osteoporosis and Other Conditions.
- Post Fracture Care.

Abstracts will describe original research findings of scientific merit related to osteoporosis and will be presented as posters or oral presentations. Submission of clinical health research abstracts are encouraged, as are abstracts related to skeletal imaging and diagnosis. It is expected that all accepted abstracts will be posted at the Annual Meeting. Accepted abstracts and award winners will be presented as posters and/or oral presentations. Poster presenters must attend the Annual Meeting for the abstract to be published in the Journal of Clinical Densitometry.

Abstracts accepted by the Abstract Review Committee and posted at the meeting may be published in a forthcoming issue of the Journal of Clinical Densitometry.

Technologists, residents, students, trainees and fellows are encouraged to submit abstracts.

Those invited to present posters will receive specific information regarding these requirements with their acceptance notice. All presenters will be required to register for the meeting. For Abstract Submission Guidelines and Award Submission Guidelines, please refer to [am2019.iscd.org](http://am2019.iscd.org)

## Young Investigator's Award

You might be eligible for a Young Investigator Award. ALL the following requirements must be met:

- Awardee must be the first and presenting author of the research.
- Awardee must be within five (5) years of completion of a Ph.D. or residency training (for M.D., D.D.S., D.O., or their equivalent) OR a Technologist within five (5) years of entering the field or graduating from an approved program
- Awardee must be below the age of 40 by 31st December 2019.
- The awardee must have never been a recipient of an ISCD Young Investigator Award.
- Awardee must register for the conference and be present by his/her abstract for judges' evaluation to receive the award.

## Qualifications and Eligibility

All authors must adhere to the following when submitting an abstract for ISCD Annual Meeting:

1. The research described in the abstract complies with the guiding principles for experimental procedures written in the Declaration of Helsinki of the World Medical Association, and the NIH Guide for the Care and Use of Laboratory Animals, 1985, and refer to the policy established by your Institutional Review Board.
2. All authors (submitting and contributing) have read the Disclosure Statement (Conflict of Interest) and have made appropriate disclosures by completing and submitting the PDF Disclosure Form. These documents are attached together with the Abstract Template, downloadable below at Abstract Guideline: "Step Two" at [am2019.iscd.org](http://am2019.iscd.org)
3. Authors of an abstract describing a study funded by an organization with a proprietary or financial interest must identify the organization and affirm that they had full access to all the data in the study. By doing so, they accept complete responsibility for the integrity of the data and the accuracy of the data analysis.
4. If the manuscript associated with the abstract has appeared or will appear in print or online, on or before February 28, 2019 the abstract is not eligible for oral presentation and if accepted will be presented for Poster Presentation Only.

The following guidelines apply to previously presented abstracts:

- a. Abstracts presented orally or as a poster at a prior ISCD Annual Meeting may not be submitted for either poster or oral presentation.
- b. Abstracts presented (poster or oral) at major U.S. national, and other national and international meetings may not be submitted for an oral presentation at the ISCD 2019 Annual Meeting and should be marked "Poster Presentation Only".
- c. If you have previously presented the material in your abstract at another meeting and aren't sure about its eligibility for oral presentation at the ISCD 2019 Annual Meeting, please mark "Poster Presentation Only" on the submission form or contact ISCD ([abstract@am2019.iscd.org](mailto:abstract@am2019.iscd.org)) for advice before submitting the abstract.

**EXTENDED  
DEADLINE**

**Abstract Submission Closes  
31st January 2019**

## Registration Fee

### ISCD 2019

Doctors			Radiographers		
Early Bird (USD) <i>(Ends On 19th January 2019)</i>	Post Early Bird (USD) <i>(20th January to 18th March 2019)</i>	Onsite (USD) <i>(19th March to 23rd March 2019)</i>	Early Bird (USD) <i>(Ends On 19th January 2019)</i>	Post Early Bird (USD) <i>(20th January to 18th March 2019)</i>	Onsite (USD) <i>(19th March to 23rd March 2019)</i>
<b>ISCD Members</b>					
USD 350	USD 400	USD 450	USD 250	USD 275	USD 300
<b>Non-Members</b>					
USD 450	USD 500	USD 550	USD 300	USD 325	USD 350

- To register, visit conference website [am2019.iscd.org](http://am2019.iscd.org)
- Registration includes coffee breaks and lunch.
- All registrations are in USD and payment via PayPal, Credit Card and online transfer is accepted.

### These Course And Meeting Are Designed For

- Endocrinologists
- Orthopaedic Surgeons
- Rheumatologists
- Radiologists
- Geriatricians
- Obstetricians and Gynaecologists
- Oncologists
- Physicians / General Practitioners
- Trainees / Medical Officers
- Radiographers
- Dietitians
- Nurses
- Allied Health Professionals and anyone involved in the management of patients with osteoporosis

### Exhibitors

To receive more information regarding exhibit sponsorship for this conference, please contact the conference secretariat Edward Aeruthayan or May at [secretariat@am2019.iscd.org](mailto:secretariat@am2019.iscd.org)





## Malaysia Quick Facts

### LANGUAGE

Bahasa Malaysia is the national language and English is widely spoken. The ethnic groups also speak various languages and dialects.

### VISA

Most visitors from ASEAN countries do not need a visa. Nationals from at least 125 countries do not need a visa for short stays.

- 40 countries (Asia & Oceania)
- 41 countries (Europe)
- 21 countries (America)
- 23 countries (Africa)

To check Visa requirements, please visit <http://www.imi.gov.my/index/php/en/visa/visa-requirement-by-country.html>

### GETTING TO THE CONFERENCE VENUE

Mode of Transport	Travel Time	Cost
<b>KLIA Ekspres Train</b> <i>High speed train connecting the airport to KL's main transportation hub (KL Sentral)</i>	28 minutes. Direct Non-Stop.  Hilton Kuala Lumpur is located adjacent to KL Sentral.	MYR 55 / USD 13.72
<b>KLIA 2 Transit Train</b> <i>Just like the KLIA Ekspres train service, the KLIA Transit train service shares the same tracks as the KLIA Ekspres, connecting klia2 to the KL Sentral Station to KL's main transportation hub (KL Sentral)</i>	39 minutes.  4 short stops along the way.	MYR 55 / USD 13.82
<b>Airport Taxi</b>	50 minutes	MYR 120 / USD 30.14
<b>GRAB (Car Hailing App)</b>	50 minutes	MYR 65 / USD 16.33

\* Rate of MYR to USD is converted as of exchange rate at June 2018.

### CONFERENCE VENUE & CONFERENCE HOTEL

Hilton Kuala Lumpur Hotel ★★★★★  
 3, Jalan Stesen Sentral 5, Kuala Lumpur Sentral, 50470 Kuala Lumpur, Wilayah Persekutuan.

### ABOUT HILTON KUALA LUMPUR HOTEL

The ultimate lifestyle hotel, Hilton Kuala Lumpur showcases stylish rooms and suites, gastronomical excellence, an elegant spa, and magnificent event space in the heart of the vibrant KL Sentral area. Towering 35 floors, right next to the Nu Sentral shopping mall, this Kuala Lumpur hotel is a destination in itself. Discover a world of exciting attractions nearby, including the iconic Petronas Towers and China Town.

- Winner of the Haute Grandeur Global Hotel Awards 2017 for Best Beauty Spa & Best Destination Spa, The Spa & Gym
- Spacious rooms with floor-to-ceiling windows and Hilton Serenity beds
- 10 restaurants and bars, including renowned Chinese and Japanese
- Air-conditioned Linkway to KL Sentral Station
- 2017 TripAdvisor Travelers' Choice winner

### LOCAL CURRENCY

MYR is known as Malaysian Ringgit. Estimated exchange rate at MYR 4.00 = USD 1.00

### SHOPPING & DINING OUT HOURS

- Most shopping malls and restaurants are open from 10am – 10pm all week.
- Pubs are open from 6pm – 2am.



Experience

**KUALA**

**LUMPUR**

Kuala Lumpur fondly known as KL, is a modern and bustling city and is one of the region's most prosperous capitals. KL consists of a melting pot of cultures infused together and boasts a variety of attractions such as interesting heritage sites, shopping, entertainment, nature and adventure.

**Here are some attractions you would not want to miss while you are here in Kuala Lumpur.**

### Petronas Twin Towers

The 452 metres tall **Petronas Twin Towers** is the tallest building in Malaysia, and was once the tallest building in the world.

At the base of the Petronas Twin Towers is Suria KLCC, which is a shopping mall that is very popular among tourists. Tourists can also take a stroll along the beautiful landscaped KLCC Park, which is located at the side of the twin towers, where it features a jogging track, walking paths, water fountain and a wading pool for children.

Besides the mall and the park, there are also other attractions such as the Aquaria KLCC, Petronas Art Gallery and Petrosains Science Center inside the Petronas Twin Towers.

### Batu Caves

**Batu Caves** is an iconic and most frequented tourist attraction in Kuala Lumpur.

It is a limestone hill comprising 3 major caves featuring temples and Hindu shrines. Outside Batu Caves stands the world's tallest golden statue of Lord Murugan, a Hindu Deity, at 42.7 metres tall.

The attraction of Batu Caves includes the steep 272 steps climb up to finally view the stunning skyline of the city centre. Along your way up, you will see lots of monkeys frolic around the caves.

### Malaysian Food

Food can be considered as the national obsession. It is not uncommon to be greeted by the phrase "*Sudah makan?*" which means "Have you eaten?". Malaysian food is heavily influenced by Thai, Chinese, Indonesian and Indian cuisine. As elsewhere in Asia, rice is an essential staple. Some of the popular Malaysian food are *Nasi Lemak*, *Char Kuey Teow*, *Roti Canai* and Curry laksa. Our local delicacies will definitely tantalise your tastebuds.

### National Museum

**The National Museum of Malaysia** is a beautiful building characterized by traditional Malay Minangkabau-style architecture which stands in the heart of the city of Kuala Lumpur. It displays an excellent introduction to Malaysia's history, economy, geography, arts, crafts and culture.

