NOCERAL National Orthopaedic Center of Excellence for Research & Learning

UNIVERSITY OF MALAYA

8th Limb Deformity Correction Course

9-12 April 2019

Faculty of Medicine,University of Malaya

Supported by:

ASAMI Malaysia

MALAYSIAN ORTHOPAEDIC ASSOCIATION

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MESSAGE FROM ORGANISER

Dear fellow Orthopaedic surgeons,

It is my pleasure to inform that the 8th Limb Deformity Correction Course (LDCC) will be organized from 9th to 12th April 2019. With increasing interest in surgery to reconstruct congenital and developmental limb deformities, and to manage complex trauma cases, we decided to modify the course program to include more hands-on practical sessions that allow surgeons to plan, prepare and practice surgical procedures for these complex conditions.

LDCC is designed for surgeons who have some basic knowledge and experience in the use of Ilizarov external fixator. The course program will deal with both acute and gradual correction of limb deformities, and introduce various strategies to use unilateral and ring external fixators. We are introducing two workshops modules for gradual correction of ankle equinus and clubfoot deformity using Taylor Spatial Frame and Ilizarov ring external fixators. There will also be a workshop on external fixator guided locking plate fixation. We have reduced the time allocated for lectures, and will focus more on principles / approaches for correction of limb deformity. We will also share with participants the rehabilitation and nursing aspects of patient care.

There are a total of 8 saw bone workshops for the three-day course. We will only be able to register a total of 40 participants. For the silent mentor (cadaveric) workshop for acute knee deformity correction, we can only register 16 participants. We hope that those who are interested can register early. We may not be organizing the course in 2020 due our involvement in both ASEAN Orthopaedic Association (AOA) congress and Asia Pacific Orthopaedic Association (APOA) congress in Kuala Lumpur in the same year.

Thank you.

Sincerely yours,
Dr. Saw Aik
Chairman
8th Limb Deformity Correction Course 2019

8TH LIMB DEFORMITY CORRECTION COURSE
9TH TO 12TH APRIL 2019

	Day 1		Day 2		Day 3		Day 4
8.00	**Lecture 1 :** Limb alignment and joint orientation		**Lecture 3 :** Lower Limb deformity correction		**Lecture 6 :** How to prevent complications		Corticotomy (Femur / tibia) High tibia osteotomy (HTO) Low femur osteotomy (LFO) Distal tibia osteotomy
9.00	Plenary case discussion 1		Plenary case discussion 2		Plenary case discussion 3		
9.45	**Pre op planning** (Practical session)		**Lecture 4 :** Trauma : Bone / soft tissue loss		**Lecture 7 :** Specific deformity		
10.45	Tea Break		Tea Break		Tea Break		
11.00	Workshop 1A Gradual C. Tibia shaft valgus (IEF)	Workshop 2 Gradual C. Femur shaft varus (LRS)	Workshop 4A Gradual C Tibia shaft varus (TSF)	Workshop 5 Acute C Distal femur valgus (Tomofix)	Workshop 7 Gradual C Clubfoot correction (IEF)	Workshop 8 Gradual C Ankle Equinus (TSF)	
12.00	Workshop 1B Gradual C. Tibia shaft valgus (IEF)	Workshop 3 Acute C. Distal Tibia varus (LRS/LCP)	Workshop 4B Gradual C Tibia shaft varus (TSF)	Workshop 6 Acute C Proximal tibia varus (Tomofix)	Workshop 8 Gradual C Ankle Equinus (TSF)	Workshop 7 Gradual C Clubfoot correction (IEF)	
1.00	Lunch Break		Lunch Break		Lunch Break		
2.00	Workshop 2 Gradual C. Femur shaft varus (LRS)	Workshop 1A Gradual C. Tibia shaft valgus (IEF)	Workshop 5 Acute C Distal femur valgus (Tomofix)	Workshop 4A Gradual C Tibia shaft varus (TSF)	Life surgery from UMMC OT (Video transmission) Genu varum / Clubfoot		
3.00	Workshop 3 Acute C. Distal Tibia varus (LRS/LCP)	Workshop 1B Gradual C. Tibia shaft valgus (IEF)	Workshop 6 Acute C Proximal tibia varus (Tomofix)	Workshop 4B Gradual C Tibia shaft varus (TSF)			
4.00	Tea Break		Tea Break				
4.15	**Lecture 2 :** Surgical treatment options		**Lecture 5 :** Upper and lower limb		End of the course		End of the workshop
5.15	End of the day		End of the day				

TOPICS

Lect. 1	Limb alignment and joint orientation	Lect. 2	Surgical treatment options
	▪ Anatomical and mechanical axes of long bones ▪ Clinical and additional radiological evaluation of limb deformity ▪ Osteotomy rules ▪ Obliques plain osteotomy / multi-level deformity		▪ Bone healing ▪ Acute and gradual correction of deformity ▪ Gradual stretching of joints ▪ Soft tissue coverage
Lect. 3	**Lower Limb deformity**	**Lect. 4**	**Trauma : Bone and joints**
	▪ Tips for femur deformity correction ▪ Tips for tibia deformity correction ▪ Problems with long segment bone transport ▪ Charcot arthropathy of foot and ankle		▪ Distal humerus fractures ▪ Tibia plateau fixation ▪ Ankle fracture ▪ Polytrauma
Lect. 5	**Upper/Lower Limb Deformity**	**Lect. 6**	**Prevent complication / improve life quality**
	▪ Stiff clubfoot in children ▪ Blount in adolescent and adult ▪ Cubitus varus deformity ▪ Radial clubhand		▪ Pin site care and prevention of infection ▪ Prevention and correction of ankle equinus ▪ Range of motion exercise / ambulation. ▪ Social / recreational activities, and activities of daily living
Lect. 7	**Specific deformity**		
	▪ Genu varum in adults ▪ Free flap with cross leg vascular support ▪ External fixation for trunk deformity ▪ Neglected elbow dislocation		

SAW BONE WORKSHOPS

	Implant	Implant/Fixator	Description (Saw bone)
1A	Ilizarov	Gradual Correction of Tibia shaft valgus	Presentation: CORA, AKA, osteotomy. Construction of frame
1B	Ilizarov	Gradual Correction of Tibia shaft valgus	Fixation of frame to bone. Cutting bone. Outcome evaluation. Presentation: Rate of correction.
2	LRS Unilateral	Gradual correction of femur shaft varus	Guide wire fixation Fixation and correction of deformity
3	LRS/Locking plate	Ex Fix guided acute correction of distal tibia varus	External fixation. Osteotomy / K wire fixation LCP fixation
4A	Taylor Spatial Frame	Gradual correction of tibia shaft varus	Presentation : TSF soft tissue planning Construction of frame. Fixation of frame
4B	Taylor Spatial Frame	Gradual correction of tibia shaft varus	Cutting the bone. Correction. Total residual correction
5	Tomofix plate	Acute correction of distal femur valgus	Guide wire fixation. Cutting bone. Outcome evaluation
6	Tomofix plate	Acute correction of proximal tibia varus	Guide wire fixation. Cutting bone. Outcome evaluation
7	Ilizarov	Gradual correction of Clubfoot deformity	Construction of frame Demonstration bone model Gradual correction
8	Taylor Spatial Frame	Gradual correction of ankle equinus	Presentation : TSF soft tissue planning Demonstration model Gradual correction

Life Surgery from UMMC Operating theater (Audio video transmission)

Life transmission from operating theatre

Audio communication between participants and operating surgeons

Possible cases:

* Neglected Genu Varum / Blount disease : Gradual correction with Taylor Spatial Frame

* Stiff/syndromic Clubfoot deformity : Gradual correction with Ilizarov External Fixator

Procedures included:

* Portable support frame for tibia fixation

*Innovative calcaneum fixation /holder

*Double barrel drill sleeve for corticomy

Silent Mentor Surgical Simulation

Proximal (High) Tibia Osteotomy:

* Soft tissue dissection

*Two plain high tibia osteotomy

* Fixation with Tomofix locking plate

Distal (Low) Femur Osteotomy:

*Soft tissue dissection

*Two plain high tibia osteotomy

*Fixation with Tomofix locking plate

Corticomy:

*Femur and Tibia Shaft Osteotomy

*Multiple drilling method using double barrel drill sleeve

Distal Tibia Osteotomy:

*Opening wedge osteotomy for tibia and fibula

*Temporary K wire fixation

*Definitive locking plate fixation

INTERNATIONAL FACULTY

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HOSPITAL TAIWAN

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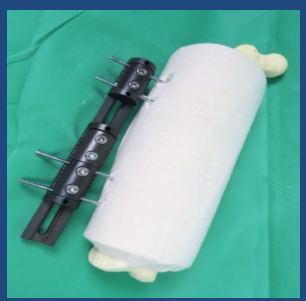
DR ROHAMAN TASARIB

LEENA LEE POH CHEN

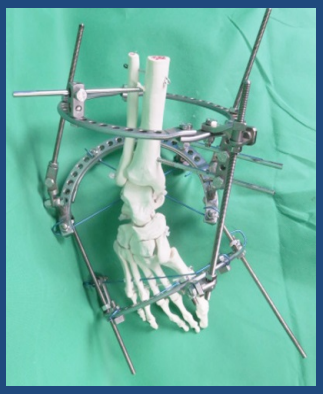
ABD MALIK MAT SAID

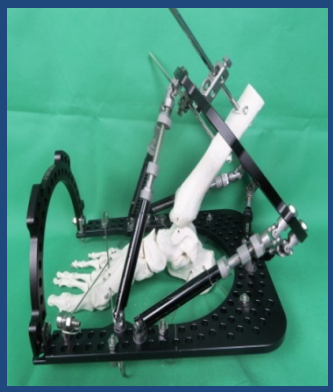
SAW BONE WORKSHOPS

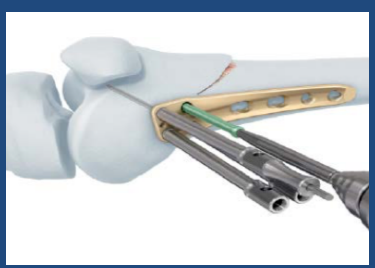
LONG BONE DEFORMITY



PERI - ARTICULAR DEFORMITY







REGISTRATION

I would like to register for the 8TH LIMB DEFORMITY CORRECTION COURSE (LDCC). Enclosed is the registration form and cheque (made payable to "Yayasan Ortopedik") / proof of payment by telegraphic transfer.

Name : ..... Hospital :

..... Position :

.....

E-mail : ..... Phone : .....

Registration fee:	**Local / International**	**Food / Diet :**
☐ LDCC only (9-11Apr.	: RM 800 / USD 250	☐ Non-vegetarian
☐ LDCC & Cadaveric Lab*	: RM 1600 / USD 500	☐ Vegetarian

** Hands-on Cadaveric / Wet laboratory is limited to 24 participants only*
LDCC : Limb Deformity Correction Course

Telegram Transfer:

Bank	**: Maybank Islamic**
Account Name	**: Yayasan Ortopedik**
Account Number	**: 564351504180**
Swift Code	**: MBBEMYKL**
Bank address	**: Maybank, Ground & Mezzanine Floor, Jalan Sultan Ismail, Wisma Genting, 50250 Kuala Lumpur, West Malaysia**

Please send registration form and payment/proof of payment to:

8th University Malaya Limb Deformity Correction Course,

Course Secretary : Ms. Dayang Izzati

Email : dayang.izzati@um.edu.my

Tel: +603 7949 3141 @ +6012 304 2561