



UNIVERSITI  
MALAYA



National Transplant Resource Centre  
MINISTRY OF HEALTH, MALAYSIA



NOCERAL  
National Orthopaedic  
Center of Excellence  
for Research & Learning

BONE BANK  
UNIVERSITY MALAYA MEDICAL CENTRE  
Support · Heal · Enhance

# 2nd Course on TISSUE BANKING

Edition: Bone, Cornea and Heart Valve

**4-5 SEPTEMBER 2024**

Datin Ragayah Lecture Hall  
NOCERAL

Department of Orthopaedic Surgery  
Faculty of Medicine, Universiti Malaya  
Kuala Lumpur, MALAYSIA



**REGISTER  
NOW**

**CLOSING DATE  
10 AUGUST 2024**



**SCAN ME**

## CONTACT US

Course Secretariat  
NOCERAL

Department of Orthopaedic Surgery  
Faculty of Medicine

Universiti Malaya, KUALA LUMPUR

Attn : Mrs Tuti Erwani Aswoto

Tel : 011-55819884

Email : [ummcbonebank@gmail.com](mailto:ummcbonebank@gmail.com)

# Prospectus

The Course is designed to provide training in tissue banking. Curriculum for the course is based on Diploma Course in Tissue Banking developed by International Atomic Energy Agency (IAEA) Experts and National University of Singapore (NUS). The Diploma Course curriculum was adopted and revised by Bone Bank, University Malaya Medical Centre in 2019 as a basis in conducting a 2-day Tissue Banking Course in Malaysia.

The Course encompasses all basic components of tissue banking that are useful for tissue banking personnel and medical staff working in tissue donation and transplantation. The Course will also prepare young scientists before they venture in R&D in cell & tissue engineering and biomaterial. An Assessment will be conducted at the end of the Course.

## **OBJECTIVES**

- To provide knowledge on various aspects of tissue banking.
- To provide basic skill in procurement of bone, cornea and heart valve.
- To create awareness regarding clinical applications of tissue graft.

## **LEARNING OUTCOMES**

The participants will be able to:

- Acquire basic knowledge in tissue banking.
- Understand about procurement of bone, cornea and heart valve.
- Enhance knowledge in clinical application of bone, cornea and heart valve.
- Promote tissue donation.

## **WHO SHOULD ATTEND**

Doctors, Medical Personnel, Researchers, Scientists, Tissue Bankers, Tissue Operators, Legal Officers and Students.

## **CERTIFICATE**

Participants will receive Certificate of Attendance issued by UM, MACTB and MOH.

## COURSE FEES

The fees cover lunches, tea breaks and printed materials.

**RM 700.00\*/USD\$ 200.00\*\***

- **PROFESSIONAL** (Doctors/Surgeons, Med Medical Personnel, Researches, Scientists, Tissue Bankers and Legal Officers)

**RM 500.00\*/USD\$150.00\*\***

- **NON PROFESSIONAL** (Nurses, Medical Lab Technicians, Lab Assistants, Tissue Bank Operators and Students)

*Malaysian \* Overseas\*\**

### Payment shall be made to:

Name of account : Yayasan Ortopedik

Name of bank : Maybank Islamic

Bank account number : 5643 5150 4180

SWIFT CODE : MBBEMYKL

Bank address : Ground & Mezzanine Floor, Jalan Sultan Ismail, Wisma Genting, 50250 Wilayah Persekutuan Kuala Lumpur, Malaysia.

## RECOMMENDED BOOKS

The following textbooks will be used as the main references.

TITLE
<b>Handbook on the Practical Approach of Bone Procurement (2023).</b> Editors: Azura Mansor and Norimah Yusof, UMPress ( <i>Included in registration fees</i> )
<b>Radiation in Tissue Banking – Basic Science and Clinical Applications of Irradiated Tissue Allografts (2007).</b> Editors: Aziz Nather, Norimah Yusof and Nazly Hilmy. World Scientific Publishing, Singapore.
<b>Tissue Procurement, Processing and Transplantation – A Comprehensive Guide for Tissue Bank Operators (2010).</b> Editors: Aziz Nather, Norimah Yusof and Nazly Hilmy. World Scientific Publishing, Singapore.
<b>Human Amniotic Membrane (2018).</b> Editors: Nazly Hilmy, Norimah Yusof and Aziz Nather. World Scientific Publishing, Singapore. ( <i>Available during the Course at RM 150.00</i> )

# PROGRAMME

TIME	4 SEPTEMBER 2024 (WEDNESDAY)			TIME	5 SEPTEMBER 2024 (THURSDAY)
8.30	Registration			8.30	GMP Facility for Processing of Tissues (Mr Saravana Ramalingam)
9.00	Welcome Address			9.00	Quality System and Certification in Tissue Banking (Mrs Suhaili Mohd)
9.10	Tissue Banking in the Asia-Pacific Region: Past, Present and Future (A/Prof Dr Aziz Nather)				
9.30	Ethical, Religious and Cultural Issues in Tissue Banking Legal and Regulations in Tissue Banking (Dr Hasdy Haron)			9.30	Radiation Sterilization (Dr Norimah Yusof)
10.00	<b>TEA BREAK</b>				
10.30	Organization of Tissue Banking Design and Setup (A/Prof Dr Aziz Nather)			10.30	Clinical Application – Bone (A/Prof Dr Nor Faissal Yasin)
11.00	FORUM: Donor Selection Criteria Bone: A/Prof Dr Faissal Yasin Cornea: Dr Chandramalar T. Santhirathelagan Heart Valve: Mr M Ashraff Baruji			11.00	Clinical Application – Cornea (A/Prof Dr Sujaya Singh)
				11.30	Clinical Application – Heart Valve (Mr M Ashraff Baruji)
12.15	Principles of Sterile Techniques and Gowning - DEMONSTRATION (S/N Royany Binti Ariff, S/N Ng Wai Yeng & S/N Nurul Najihah Binti Borhan)			12.00	DISCUSSION & REVISION
1.00	<b>LUNCH BREAK</b>				
2.30	Procurement from Cadaveric Donors Bone: A/Prof Dr Azura Mansor Cornea: Dr Chandramalar T. Santhirathelagan Heart Valve: Mr M Ashraff Baruji			2.00	ASSESSMENT
				3.00	DISCUSSION
3.15	PRACTICAL SESSION			4.00	Certificate Presentation Ceremony
	Bone	Cornea	Heart Valve		
4.15	DISCUSSION				
5.00	<b>CLOSING</b>				

# Speakers & Facilitators



**A/PROF DR AZIZ NATHER**

FORMER HEAD OF TISSUE BANK  
DEPARTMENT OF ORTHOPAEDIC SURGERY  
NATIONAL UNIVERSITY OF SINGAPORE, SINGAPORE



**A/PROF DR AZURA MANSOR**

HEAD OF UMMC BONE BANK  
DEPARTMENT OF ORTHOPAEDIC SURGERY, NOCERAL  
FACULTY OF MEDICINE  
UNIVERSITI MALAYA, KUALA LUMPUR, MALAYSIA

**DR NORIMAH YUSOF**

UMMC BONE BANK ADVISOR  
DEPARTMENT OF ORTHOPAEDIC SURGERY,  
NOCERAL  
FACULTY OF MEDICINE  
UNIVERSITI MALAYA, KUALA LUMPUR, MALAYSIA



**A/PROF DR NOR FAISSAL YASIN**

HEAD OF DEPARTMENT, COMMITTEE MEMBER UMMC  
BONE BANK  
DEPARTMENT OF ORTHOPAEDIC SURGERY, NOCERAL  
FACULTY OF MEDICINE  
UNIVERSITI MALAYA, KUALA LUMPUR, MALAYSIA



**DR CHANDRAMALAR  
T. SANTHIRATHELAGAN**

HEAD OF EYE BANK  
SUNGAI BULOH HOSPITAL  
SELANGOR, MALAYSIA



**DR HASDY HARON**

TRANSPLANT COORDINATOR  
MINISTRY OF HEALTH MALAYSIA  
NATIONAL TRANSPLANT RESOURCE CENTER (NTRC)  
WISMA SEJARAH, KUALA LUMPUR, MALAYSIA

**MR MUHAMMAD ASHRAFF  
BIN BARUJI**

PERI-OPERATIVE SURGEON ASSISTANT  
NATIONAL HEART INSTITUTE  
KUALA LUMPUR, MALAYSIA



**A/PROF DR SUJAYA SINGH**

CONSULTANT OPHTHALMOLOGY  
FACULTY OF MEDICINE  
UNIVERSITI MALAYA, KUALA LUMPUR, MALAYSIA



**MRS SUHAILI MOHD**

SENIOR RESEARCH OFFICER  
UMMC BONE BANK  
DEPARTMENT OF ORTHOPAEDIC SURGERY,  
NOCERAL  
FACULTY OF MEDICINE  
UNIVERSITI MALAYA, KUALA LUMPUR, MALAYSIA



**MR SARAVANA RAMALINGAM**

SCIENCE OFFICER  
UMMC BONE BANK  
DEPARTMENT OF ORTHOPAEDIC SURGERY, NOCERAL  
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UNIVERSITI MALAYA, KUALA LUMPUR, MALAYSIA

# Organizing Committee

ADVISOR : A/PROF DR AZURA MANSOR  
DR NORIMAH YUSOF

CHAIRMAN : A/PROF DR NOR FAISSAL YASIN  
SECRETARY : MRS TUTI ERWANI ASWOTO  
TREASURER : MR SARAVANA RAMALINGAM  
COMMITTEE : MRS SUHAILI MOHD  
MS NOOR AZERA BAKAR  
MRS SAHRINANAH MAPPIARE