

Teaching Faculty

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Nanyang Technological University

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Dept of Orthopaedic Surgery
National University of Singapore

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Alexandra Hospital

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Chairman

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Module 1 (Completed)
Analysis of Muscle and Joint Loads
(17 & 18 September 1999)

Module 2 (Completed)
Musculoskeletal Dynamics, Locomotion and Clinical Applications
(25 & 26 February 2000)

Module 3 (Completed)
Bone Mechanics: Assessing Failure Risk and Understanding Fracture Fixation
(30 June & 1 July 2000)

Module 4 (Completed)
Biomechanics of Musculoskeletal Soft Tissue: Tendon, Ligaments, Meniscus and Cartilage
(17 & 18 November 2000)

Module 5
Biomaterials and Joint Replacement of Lower Limb
(16 & 17 March 2001)

Module 6
Biomechanics of Diarthrodial Joints and Joint Replacements II: Upper Limb
(May 2001)

Module 7
Biomechanics of the Spine and Spinal Implants and Instrumentations
(Aug 2001)

Module 8
Prosthetics and Orthotics – Principles and Applications
(Nov 2001)

For enquiries, please contact:

SGH Postgraduate Medical Institute
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Blk 6 Level 1, Outram Road
Singapore 169608

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Email: gteekc@sgh.com.sg
Attn: Ms Angie Enge

Orthopaedic Biomechanics Course

*In conjunction with the Orthopaedic
Advanced Surgical Training Syllabus*

Module 5**Biomaterials and Joint Replacement of Lower Limb**

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Date: 16 & 17 Mar 2001 (Friday & Saturday)

Time: Day 1 – 1230 to 1700 h

Day 2 – 0900 to 1500 h

Venue: Symposium Rooms 2 & 3, Level 1
CRC Building, Faculty of Medicine
National University of Singapore

Organised By

Departments of Orthopaedic Surgery of
National University of Singapore &
Singapore General Hospital

School of Mechanical & Production Engineering
Nanyang Technological University

Organising Secretariat

SGH Postgraduate Medical Institute

Supported by

Specialist Training Committee (Orthopaedics)

Singapore Orthopaedic Association

Biomedical Engineering Society

Module 5: Biomaterials and Joint Replacement of Lower Limb

REGISTRATION

Orthopaedic Biomechanics Course

Module 5

Biomaterials and Joint Replacement of Lower Limb

Name: _____

Designation: _____


Dept/Organisation: _____

Address: _____

Tel no: _____ Fax no: _____

Pager no: _____

E-mail: _____

Please indicate interest 

- I would like to register for Module 5. The registration fee is S\$250/- (includes GST)
- I would like to purchase the reference text by Mow and Hayes entitled: "Basic Orthopaedic Biomechanics" @ S\$210.00 per copy (not included in the registration fee). (The cost of the book includes courier delivery charges. Due to the specialised nature of the book, there may be a possible waiting period of up to 6 weeks to process the orders.) Please enclose cheque made payable to **Nanyang Technological University** and mail together with this registration form to:

**SGH Postgraduate Medical Institute
Singapore General Hospital
Blk 6 Level 1, Outram Road
Singapore 169608**



Friday, 16 March 2001 (Day 1: 1230 – 1700 hours)

1230	REGISTRATION		1450	BIOMATERIALS TUTORIAL 1	J Goh
1300	PRE-COURSE ASSESSMENT	S M Chou	1510	TEA BREAK	
1330	HISTORY AND STRUCTURE OF BIOMATERIALS	M Khor	1530	JOINT LUBRICATION	HT Low
1350	MATERIALS FOR IMPLANTS AND THEIR MECHANICAL BEHAVIOUR (METALLIC, CERAMIC, OTHERS, POLYMERIC)	M Khor	1550	IMPLANT FIXATION IN BONE (INGROWTH, CEMENT)	N N Lo
1410	WEAR AND CORROSION OF ORTHOPAEDIC BIOMATERIALS	M Wang	1610	HOST RESPONSE TO BIOMATERIALS	W Wang
1430	FATIGUE FAILURE	M Wang	1630	BIOMATERIALS TUTORIAL 2	J Goh
			1700	END OF DAY 1	

Saturday, 17 March 2001 (Day 2: 0900 – 1500 hours)

0900	BIOMECHANICS OF THE HIP JOINT	J Goh	1120	LONG-TERM RESULTS OF HIP AND KNEE REPLACEMENTS	S J Yeo
0920	DESIGN CONSIDERATIONS IN PROSTHETIC HIP JOINT	J Goh	1140	BIOMECHANICS TUTORIALS	J Goh
0940	SURGICAL TECHNIQUE IN HIP REPLACEMENT - BIOMECHANICAL IMPLICATIONS	N N Lo	1200	LUNCH	
1000	BIOMECHANICS OF THE KNEE JOINT	A Thambyah	1300	PRACTICAL WORKSHOP 1: TOTAL HIP REPLACEMENT	N N Lo, S J Yeo, K S Khong
1020	DESIGN CONSIDERATIONS IN PROSTHETIC KNEE JOINT	J Goh	1400	PRACTICAL WORKSHOP 2: MECHANICAL TESTING OF TOTAL KNEE REPLACEMENTS	A Thambyah, J Goh, D Tey
1040	TEA BREAK				
1100	SURGICAL TECHNIQUE IN KNEE REPLACEMENT - BIOMECHANICAL IMPLICATIONS	S J Yeo	1500	END OF PROGRAMME	

Venue: Seminar Room #03-01A, Level 3, CRC

Venue: Orthopaedic Biomechanics Laboratory, B1-18, CRC