

Teaching Faculty

James Goh
Dept of Orthopaedic Surgery
National University of Singapore

Patrick Goh
Sports Medicine & Fitness Division
Singapore Sports Council

Peter Lee
Biomaterials Programme
Institute of Materials Research and Engineering

Looi Kok Poh
Dept of Hand and Reconstructive MicroSurgery
National University Hospital

Barry Pereira
Dept of Orthopaedic Surgery
National University of Singapore

Alastair Ritchie
School of Mechanical and Production Engineering
Nanyang Technological University

Ashvin Thambyah
Dept of Orthopaedic Surgery
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P Thiagarajan
Mt Elizabeth Medical Centre

Tho Kam San
Dept of Orthopaedic Surgery
Alexandra Hospital

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

Module 5
Biomechanics of Diarthrodial Joints and Joint Replacements I: Upper Limb
(Feb 2001)

Module 6
Biomechanics of Diarthrodial Joints and Joint Replacements II: Lower 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:



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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 4 Biomechanics of Musculoskeletal Soft Tissues: Tendon, Ligaments, Meniscus and Cartilage

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Date: 17 & 18 Nov 2000 (Friday & Saturday)
Time: Day 1 – 1230 to 1710 h
Day 2 – 0830 to 1400 h
Venue: Seminar Room #03-01A, Level 3,
Orthopaedic Biomechanics Laboratory,
#B1-04, Level B1
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

Orthopaedic Biomechanics Course

Module 4

Biomechanics of Musculoskeletal Soft Tissues: Tendon, Ligaments, Meniscus and Cartilage

Name: _____

Designation: _____


Dept/Organisation: _____

Address: _____

Tel no: _____ Fax no: _____

Pager no: _____

E-mail: _____

Please indicate interest 

- I would like to register for Module 4. The registration fee is S\$309/- (includes GST)
- I would like to purchase the reference text 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, 17 November 2000 (Day 1: 1230 – 1710 hours)

1230	REGISTRATION		1530	TEA BREAK	
1300	PRE-COURSE ASSESSMENT		1550	BIOMECHANICAL ASPECTS OF ACL RECONSTRUCTION	P Thiagarajan
1330	MECHANICAL PROPERTIES OF MATERIALS	B Pereira			
1350	QUESTIONS AND ANSWERS		1610	ROLE OF BIOMECHANICS IN TENDON REPAIR IN THE UPPER LIMB	KP Looi
1400	VISCOELASTIC MATERIAL PROPERTIES	B Pereira			
1420	QUESTIONS AND ANSWERS		1630	BIOMECHANICAL CONSIDERATION IN REHABILITATION FOLLOWING SOFT TISSUE INJURIES	P Goh
1430	FORM AND FUNCTION OF TENDONS AND LIGAMENT	J Goh			
1450	BIOMECHANICS OF TENDON AND LIGAMENT	A Thambyah	1650	DISCUSSION	
1510	WORK EXAMPLES		1710	END OF DAY 1	

Saturday, 18 November 2000 (Day 2: 0830 – 1400 hours)

0830	FORM AND FUNCTION OF ARTICULAR CARTILAGE	P Thiagarajan	1050	THEORETICAL TOOLS AND TECHNIQUES IN BIOMECHANICAL EVALUATION OF SOFT TISSUES	P Lee
0850	BIOMECHANICAL PERSPECTIVES OF REPAIR AND REGENERATION OF ARTICULAR CARTILAGE	P Thiagarajan	1110	VIDEO DEMONSTRATION OF BIOMECHANICAL TESTING OF SOFT TISSUES	A Thambyah
0910	BIOMECHANICS OF ARTICULAR CARTILAGE	B Pereira	1130	LUNCH	
0930	WORK EXAMPLES		1230	PRACTICAL WORKSHOP ON SOFT TISSUE TESTINGS	A Thambyah, B Pereira, P Lee, J Goh
0950	TEA BREAK				
1010	BIOMECHANICAL FUNCTION OF MENISCUS	A Ritchie	1400	END OF PROGRAMME	
1030	BIOMECHANICAL CONSIDERATION IN MENISCAL REPAIR AND REHABILITATION	KS Tho			

Venue: Orthopaedic Biomechanics Laboratory