Module 5

Biomaterials and Joint Replacement of Lower Limb

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

For enquiries, please contact:

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Singapore General Hospital
Blk 6 Level 1, Outram Road
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Attn: Ms Angie Enge

Accredited for 4 CME points
Module 5: Biomaterials and Joint Replacement of Lower Limb

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

1230 REGISTRATION

1300 PRE-COURSE ASSESSMENT

1330 HISTORY AND STRUCTURE OF BIOMATERIALS

1350 MATERIALS FOR IMPLANTS AND THEIR MECHANICAL BEHAVIOUR (METALLIC, CERAMIC, OTHERS, POLYMERIC)

1410 WEAR AND CORROSION OF ORTHOPAEDIC BIOMATERIALS

1430 FATIGUE FAILURE

1450 BIOMATERIALS TUTORIAL 1

1510 TEA BREAK

1530 JOINT LUBRICATION

1550 IMPLANT FIXATION IN BONE (INGROWTH, CEMENT)

1610 HOST RESPONSE TO BIOMATERIALS

1630 BIOMATERIALS TUTORIAL 2

1700 END OF DAY 1

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

0900 BIOMECHANICS OF THE HIP JOINT

0920 DESIGN CONSIDERATIONS IN PROSTHETIC HIP JOINT

0940 SURGICAL TECHNIQUE IN HIP REPLACEMENT - BIOMECHANICAL IMPLICATIONS

1000 BIOMECHANICS OF THE KNEE JOINT

1020 DESIGN CONSIDERATIONS IN PROSTHETIC KNEE JOINT

1040 TEA BREAK

1100 SURGICAL TECHNIQUE IN KNEE REPLACEMENT - BIOMECHANICAL IMPLICATIONS

1120 LONG-TERM RESULTS OF HIP AND KNEE REPLACEMENTS

1140 BIOMECHANICSTUTORIALS

1200 LUNCH

1300 PRACTICAL WORKSHOP 1: TOTAL HIP REPLACEMENT

1400 PRACTICAL WORKSHOP 2: MECHANICAL TESTING OF TOTAL KNEE REPLACEMENTS

1500 END OF PROGRAMME

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 $250/- (includes GST)

☐ I would like to purchase the reference text by Mow and Hayes entitled: “Basic Orthopaedic Biomechanics” @ $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:

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