

# SGH 18th Annual Scientific Meeting

incorporating Annual Evidence-Based Medicine Seminar 2009



17 - 18 April 2009  
College of Medicine Building  
Singapore General Hospital



## Medical Professionalism

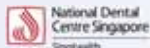
Bridging the Gap between Society and Medicine

## PROGRAMME

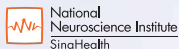
Organised by



With participation from



Organising Secretariat





**Open your eyes  
to residual risks**

There is more to **supra**  
**LIPANTHYL 160mg** than you think



**SOLVAY  
PHARMA**  
SINGAPORE

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A/Prof Wong Wai Keong & A/Prof Sandy Cook,  
Co-Chairpersons, SGH 18th ASM Organising Committee 3

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## Message

**A/Prof Wong Wai Keong & A/Prof Sandy Cook**

Co-Chairpersons, Organising Committee

SGH 18th Annual Scientific Meeting

“Medical Professionalism-Bridging the Gap between Society and Medicine”

*Dear Friends and Colleagues*

On behalf of the Organizing Committee, it is our pleasure to invite you to the 18th SGH Annual Scientific Meeting.

This year we have chosen Medical Professionalism as the theme for the ASM. Professionalism is used to describe those skills, attitudes and behaviours which we have come to expect from the individuals during the practice of their profession and medical profession is of no exception. Medical Professionalism is the basis of medicine's social contract with society. It has long been based on mutual trust between the medical profession and the society. It requires physicians placing the interest of patients above all, maintaining high standards of competence and providing the best care possible with integrity and honesty. This has worked well for many centuries. In the rapidly changing world today, the medical profession is facing many challenges which are confronting the very fundamentals and values of medical professionalism. Rapid technology advances, changes in the healthcare delivery systems, ethical issues in some of the medical practices and research are some of the challenges we are faced with. Some of these controversial issues will be discussed and debated in the plenary lectures and symposia.

We are indeed grateful to the many international and local speakers who have kindly agreed to participate in this year ASM. Their participation and presence will no doubt enhance the quality and prestige of the meeting.

As like previous years, ASM provides the platform for our young clinicians, researchers, academicians, nurses and allied health staff in Outram Campus and Dukes-NUS GMS to showcase their work and research. It also provides an excellent opportunity for all institutions within the campus and outside to interact and share their experience. A wide variety of topics and issues ranging from cardiovascular diseases, neurological science, emerging diseases, simulation education programmes to the latest advances in surgical technology will be discussed.

We would like to thank our committee members and those who have helped in one way or another for their effort and time in putting together the exciting programmes for the meeting. On behalf of the committee, we wish all the participants a fruitful and exciting meeting.

# Organising Committee

**Co-Chairpersons** : A/Prof Wong Wai Keong  
A/Prof Sandy Cook

## **Scientific Co-Chairpersons**

Clinical (Medicine) : Dr Ng Heng Joo  
Clinical (Surgery) : Dr S Ranjiv  
Clinical (Ambulatory) : A/Prof Tan Soo Yong  
Research (GMS) : Dr Shirish Shenolikar  
Nursing : Ms Karen Perera  
Allied Health : Ms Anna Tan

**Sponsorship** : Dr Lim Soon Thye

**Social** : Dr Lee Lai Heng  
(16th SGH Lecture & Formal Dinner)

**Publicity/Publications** : A/Prof Hwang Nian Chih

**Postgraduate Course** : Dr Lee Kheng Hock

## **Members**

SGH : Ms Tan Geok Eng  
Mr Wong Sing Wei  
NCC : Dr Yong Wei Sean  
NDC : Dr Lui Jeen Nee  
NHC : Dr Victor Lim  
NNI : Dr Tan Eng King  
SNEC : Dr Cordelia Chan

# Organising Committee

## Annual Evidence-Based Medicine Seminar 2009

<b>Chairperson</b>	: A/Prof Colin Song
<b>Members</b>	: A/Prof Aung Tin Dr Edwin Chan Dr Chan Lai Peng A/Prof Lim Swee Hia Dr Ng Heng Joo Dr Tan Lay Kok Dr Tan Ru San Dr Camilla Wong

## Organising Secretariat

<b>SGH 18th Annual Scientific Meeting</b>	: Ms Joey Choo (Project Manager) Ms Jessica Leong Ms Tan Ee Sia Ms Tham Jia Hui Ms Yap Hanning
<b>16th SGH Lecture &amp; Formal Dinner</b>	: Ms Dynelle Huang Ms Zhong Meifang

## Programme at a Glance

COMB AUDI  
SGH LT  
SGH VOID DECK  
THE QUAD  
PGMI RM 1, 3 & 4

College of Medicine Building, Ministry of Health, Auditorium, Level 2  
Singapore General Hospital, Lecture Theatre, Block 6, Level 9  
Singapore General Hospital, Void Deck, Block 6, Level 9  
Singapore General Hospital, Block 6, Level 1  
SGH Postgraduate Medical Institute, Block 6, Level 1

FRIDAY, 17 APRIL 2009					
0800 – 0845	<b>REGISTRATION</b> COMB FOYER				
0845 – 0915	<b>OPENING CEREMONY</b> <b>Welcome Address</b> A/Prof Wong Wai Keong, Co-Chairperson, Organising Committee, SGH 18th ASM <b>Address</b> Prof Ng Han Seong, Chairman, Medical Board <b>Opening Speech by Guest-of-Honour</b> Mr Khaw Boon Wan, Minister for Health, Ministry of Health COMB AUDI				
0915 – 1000	<b>KEYNOTE LECTURE</b> <b>Quality, Innovation and Professionalism</b> <b>Professor the Lord Darzi of Denham KBE FMedSci Hon FREng</b> Professor of Surgery, Imperial College London COMB AUDI				POSTER VIEWING SGH VOID DECK
1000 – 1045	<b>COFFEE / TEA / TRADE EXHIBITION</b> THE QUAD				
1045 – 1215	<b>SYMPOSIUM 1</b> Lights... Camera... <b>EDUCATION!</b> Using Patient Simulation to Train Healthcare Professionals PGMI RM 3 & 4	<b>SYMPOSIUM 2</b> Emerging Diseases, Disease Concepts and Therapies PGMI RM 1	<b>SYMPOSIUM 3</b> Thinking Young, Walking Great and Feeling Good SGH LT	<b>SYMPOSIUM 4</b> Debate on End of Life Issues– LOVE and LET Die COMB AUDI	
1215 – 1245	<b>LUNCH</b> THE QUAD				POSTER JUDGING SGH VOID DECK
1245 – 1330	<b>LUNCH SYMPOSIUM : DIABETIC RETINOPATHY</b> <i>(Sponsored by Solvay Pharma Singapore)</i> <b>Principles in the Management of Diabetic Retinopathy</b> <b>Professor Wong Tien Yin</b> Senior Consultant, Vitreo-Retina Service, SNEC; Director, SERI <b>Novel Treatments in Diabetic Retinopathy</b> <b>Dr Edmund Wong</b> Head, Clinical Quality & Senior Consultant, Vitreo-Retina Service, SNEC COMB AUDI				
1330 – 1430	<b>PLENARY LECTURE I</b> <b>Decision Making at the End of Life: The Illusion of Control and Burden of Responsibility</b> <b>Professor Stuart J. Youngner</b> Chairman, Department of Bioethics, Case Western Reserve University COMB AUDI				

## Programme at a Glance

FRIDAY, 17 APRIL 2009					
1430 – 1530	<b>YOUNG INVESTIGATOR'S AWARD</b> (Clinical) PGMI RM 3 & 4	<b>YOUNG INVESTIGATOR'S AWARD</b> (Basic Science) PGMI RM 1	<b>YOUNG INVESTIGATOR'S AWARD</b> (Nursing) COMB AUDI	<b>YOUNG INVESTIGATOR'S AWARD</b> (Allied Health) SGT LT	SGH VOID DECK
1530 – 1600	<b>COFFEE / TEA / TRADE EXHIBITION</b> THE QUAD				
1600 – 1645	<b>PLENARY LECTURE 2</b> <b>The Clinical Encounter of Bioethics and Confucian Values</b> <b>A/Prof Daniel Fu-Chang Tsai</b> Associate Professor, Department of Social Medicine, and Department of Family Medicine National Taiwan University College of Medicine COMB AUDI				
1700 – 1800	<b>SGH SCIENTIST AWARD</b> SGH LT	<b>Evidence Based Medicine</b> Best Systematic Reviews in Surgery PGMI RM 4	<b>Evidence Based Medicine</b> Best Systematic Reviews in Medicine PGMI RM 1	<b>Evidence Based Medicine</b> Best Systematic Reviews in Allied Health PGMI RM 3	
1800	END				

POSTER VIEWING

## Programme at a Glance

<b>SATURDAY, 18 APRIL 2009</b>					
0730 – 0815	<b>REGISTRATION</b> <small>COMB FOYER</small>				<b>POSTER VIEWING</b> <small>SGH VOID DECK</small>
0815 – 0900	<b>PLENARY LECTURE 3</b> <b>Shifting Sands: Does Continuing Medical Education Matter?</b> <b>Professor Katherine Grichnik</b> Associate Dean for CME, Professor of Anesthesia Duke University School of Medicine <small>COMB AUDI</small>				
0900 – 1000	<b>BEST ORAL PAPER</b> (Clinical) <small>PGMI RM 1</small>	<b>BEST ORAL PAPER</b> (Nursing) <small>COMB AUDI</small>	<b>BEST ORAL PAPER</b> (Allied Health) <small>PGMI RM 3 &amp; 4</small>	<b>BEST ORAL PAPER</b> (Bc Science) <small>SGH LT</small>	
1000 – 1030	<b>COFFEE / TEA / TRADE EXHIBITION</b> <small>THE QUAD</small>				
1030 – 1115	<b>PLENARY LECTURE 4</b> <b>Specialist Training in Singapore at the Crossroads</b> <b>A/Professor Colin Song</b> Head & Senior Consultant, Plastic, Reconstructive & Aesthetics Surgery & Director, SGH Postgraduate Medical Institute, SGH & <b>Professor Katherine Grichnik</b> Associate Dean for CME, Professor of Anesthesia, Duke University School of Medicine <small>COMB AUDI</small>				
1115 – 1245	<b>SYMPOSIUM 5</b> Diabetes and Cardio/Vascular Disease  <small>SGH LT</small>	<b>SYMPOSIUM 6</b> Application of Stem Cell Technology  <small>PGMI RM 3 &amp; 4</small>	<b>SYMPOSIUM 7</b> Advancements in Minimally Invasive Surgery  <small>COMB AUDI</small>	<b>SYMPOSIUM 8</b> Cancer and Palliative Care- Interdisciplinary Care in Action  <small>PGMI RM 1</small>	
1245 – 1330	<b>LUNCH / TRADE EXHIBITION</b> <small>THE QUAD</small>				
1800	<b>END</b>				

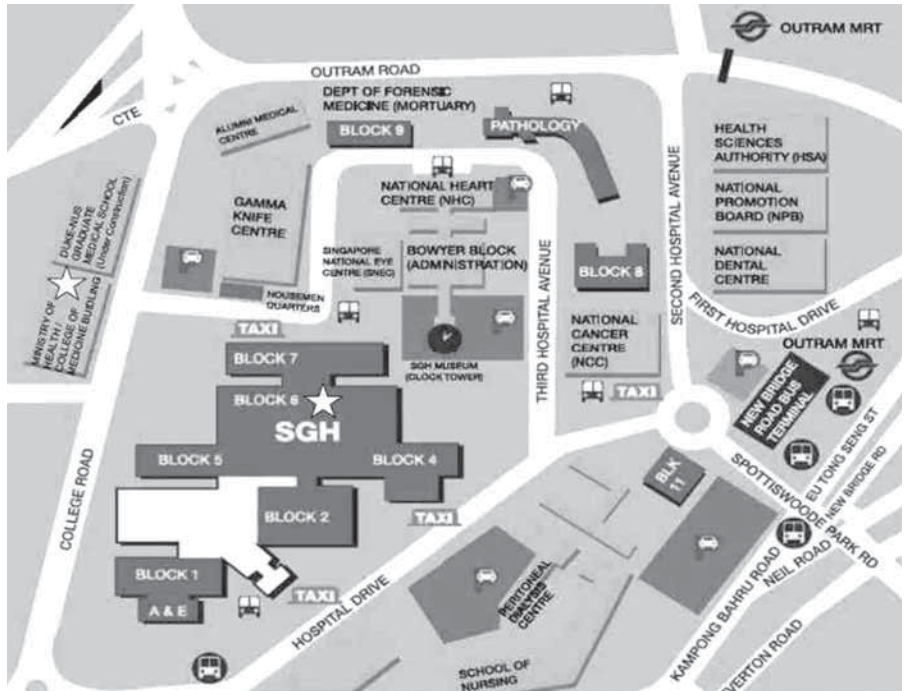
# Venue Information

## College of Medicine Building

16 College Road  
Singapore 169854

## Singapore General Hospital

Outram Road  
Singapore 169608



# Scientific Programme

## DAY 1 - 17 April 2009 (Friday)

**0800 - 0845**

COMB Foyer

### REGISTRATION

**0845 - 0915**

COMB

Auditorium

Level 2

### OPENING CEREMONY

#### Welcome Address

*A/Prof Wong Wai Keong, Co-Chairperson, Organising Committee, SGH 18th ASM*

#### Address

*Prof Ng Han Seong, Chairman, Medical Board, SGH*

#### Opening Speech by Guest-of-Honour

*Mr Khaw Boon Wan, Minister for Health, Ministry of Health*

**0915 - 1000**

COMB

Auditorium

Level 2

### KEYNOTE LECTURE : Quality, Innovation and Professionalism

*Chairperson: A/Prof Colin Song, Head & Senior Consultant, Plastic,*

*Reconstructive & Aesthetic Surgery, SGH;*

*Director, SGH Postgraduate Medical Institute, SGH*

*Speaker: Professor the Lord Darzi of Denham KBE FMedSci Hon FREng*

*Professor of Surgery, Imperial College London*

**1000 - 1045**

SGH, The Quad

Blk 6 Level 1

### COFFEE/ TEA/ TRADE EXHIBITION

**1045 - 1215**

SGH-PGMI

Rm 3 & 4

Blk 6, Level 1

### SYMPOSIUM 1 - 4 (CONCURRENT)

#### SYMPOSIUM 1: Lights... Camera... EDUCATION! Using Patient Simulation to Train Healthcare Professionals

*Presenters: Dr Mara McAdams, Clinical Instructor, Clinical Performance Centre, Duke-NUS GMS*

*Ms Anna Tan, Head, Occupational Therapy, SGH*

SGH-PGMI Rm 1

Blk 6, Level 1

#### SYMPOSIUM 2: Emerging Diseases, Disease Concepts and Therapies

*Chairperson: Dr William YK Hwang, Senior Consultant, Haematology, SGH;*

*Assistant Professor, Duke-NUS GMS;*

*Medical Director, Singapore Cord Blood Bank*

1. Molecular Strategies for the Next Epidemic  
*Dr Leong Hoe Nam, Consultant, Infectious Diseases, SGH*
2. Preparedness against Emerging Infectious Diseases Outbreak: A View from the Bench towards the Bedside  
*Dr Ooi Eng Eong, Associate Professor, Duke-NUS GMS*
3. Developmental Origins of Adult Health and Disease  
*Prof Ho Lai Yun, Senior Consultant, Neonatal & Developmental Medicine, SGH*
4. Targeting the Adversary with Monoclonals - Beyond Lymphomas  
*Dr Yvonne Loh, Consultant, Haematology, SGH*

SGH Lecture

Theatre

Blk 6 Level 9

#### SYMPOSIUM 3: Thinking Young, Walking Great and Feeling Good

*Chairperson: Dr Wahab Syed Shahul Hameed, Associate Consultant, Neurology, SGH*

1. The Non Shaking Symptoms of Parkinson's Disease  
*Dr Prakash Kumar, Consultant, Neurology, SGH*
2. Am I Demented?: Unravelling the Clinical Features of Minimal Cognitive Impairment  
*Dr Nagendran Kandiah, Associate Consultant, Neurology, NNI*

# Scientific Programme

## DAY I - 17 April 2009 (Friday)

3. Deciphering the Causes of Poor Memory  
*Dr Dennis Seow, Consultant, Geriatric Medicine, SGH*
4. Stimulating Memory and Walking: Recent Breakthroughs  
*Dr John Thomas, Senior Consultant, Neurosurgery, SGH*

COMB  
Auditorium  
Level 2

### **SYMPOSIUM 4: Debate on End of Life Issues - LOVE and LET Die**

*Chairperson: Mystery! Attend to find out!*

*Debaters: Dr Ng Bang Teen, Registrar, Anaesthesiology, SGH  
Dr Ratnagopal Pavanni, Senior Consultant, Neurology, SGH*

*Panel: Prof Stuart Youngner, Chairman, Department of Bioethics,  
Case Western Reserve University  
A/Prof Daniel Fu-Chang Tsai, Associate Professor, Department of  
Social Medicine, and Department of Family Medicine, National  
Taiwan University College of Medicine  
Dr Teoh Ming Keng, Head of Medical Services - Asia, Medical  
Protection Society*

**1215 – 1245**  
SGH, The Quad  
Blk 6 Level 1

### **LUNCH**

**1245 – 1330**  
COMB  
Auditorium  
Level 2

### **LUNCH SYMPOSIUM: Diabetic Retinopathy Symposium**

*(Sponsored by Solvay Pharma Singapore)*

1. Principles in the Management of Diabetic Retinopathy  
*Prof Wong Tien Yin, Senior Consultant, Vitreo-Retina Service,  
SNEC; Director, SERI*
2. Novel Treatments in Diabetic Retinopathy  
*Dr Edmund Wong, Head, Clinical Quality & Senior Consultant,  
Vitreo-Retina Service, SNEC*

**1330 – 1430**  
COMB  
Auditorium  
Level 2

### **PLENARY LECTURE 1: Decision Making at the End of Life: The Illusion of Control and Burden of Responsibility**

*Chairperson: Prof Ong Yong Yau, Emeritus Consultant, Internal Medicine, SGH*

*Speaker: Prof Stuart Youngner, Chairman, Department of Bioethics,  
Case Western Reserve University*

**1430 – 1530**  
SGH-PGMI  
Rm 3 & 4 Blk 6,  
Level 1

### **YOUNG INVESTIGATOR'S AWARD (CONCURRENT) YOUNG INVESTIGATOR'S AWARD (Clinical)**

*Chairperson & Chief Judge: A/Prof Pierce Chow Kah Hoe, Senior Consultant,  
General Surgery, SGH*

*Judges: A/Prof Chow Wan Cheng, Head & Senior Consultant, Gastroenterology  
and Hepatology, SGH*

*A/Prof Chan Choong Meng, Head & Senior Consultant, Renal Medicine, SGH*

1. The Medialis Pedis Perforator Flap: A New Solution for Hand Injuries  
*Dr Chew Khong Yik, Hand Surgery, SGH*
2. Risk of Hepatitis B Virus (HBV) Reactivation in Patients with Prior HBV  
Infection in the Era of Rituximab and the Impact of Anti-HBs status in  
Protecting against Reactivation  
*Mr Koo Yu Xuan, Medical Oncology, NCC*
3. Comparison of the UISS and the SSIGN Scores for Survival Prediction  
in Asian Patients with Clear Cell Renal Cell Carcinoma  
*Dr Tan Min-Han, Medical Oncology, NCC*

# Scientific Programme

## DAY 1 - 17 April 2009 (Friday)

4. Reverse Flow 2nd Dorsal Metatarsal Artery Flap for Coverage of a Great Toe Pulp Donor Defect: A Cadaveric Study  
*Dr Yeo Chong Jin, Hand Surgery, SGH*

SGH-PGMI

Rm 1

Blk 6, Level 1

### **YOUNG INVESTIGATOR'S AWARD (Basic Science)**

*Chairperson: Dr Kah Leong Lim, Head, Neurodegeneration Research Laboratory, NNI*

*Judges: Dr Shirish Shenolikar, Associate Dean, Research, Duke-NUS GMS  
Dr Mei Wang, Assistant Professor, Cancer & Stem Cell Biology, Duke-NUS GMS  
Asst Prof Xiaodong Zhang, Assistant Professor, Neurobehavioral Disorders Program, Duke-NUS GMS*

1. Different cagA and vacA Polymorphisms Are Found in the Chinese Versus the Malay and Indian Populations: An Analysis of Helicobacter Pylori Virulence Genes in Singapore  
*Dr Lui Sook Yin, Gastroenterology and Hepatology, SGH*
2. Nuclear-Factor Kappa B Activation in Pterygium  
*Dr Siak Jyh Kuen Jay, SNEC*
3. Integrated Genomic Profiles Reveal Therapeutic Pathways and Biomarkers for Chromophobe Renal Cell Carcinoma and Oncocytoma  
*Ms Tan Hwei Ling, Research Divisions - Medical Sciences, NCC*
4. Involvement of Integrin-Dependent Signaling Pathways in the Differentiation of the Fornix  
*Dr Zhu Hongyuan, Corneal and External Eye Disease Service, SNEC*

1430 – 1530

COMB

Auditorium

Level 2

### **YOUNG INVESTIGATOR'S AWARD (Nursing)**

*Chairperson: Dr Chow Yeow Ling, Deputy Director (Continuing Education & Training), School of Health Science, NYP*

*Judges: Dr Chow Yeow Ling, Deputy Director (Continuing Education & Training), School of Health Science, NYP  
Dr Serena Koh, Assistant Director Nursing - Quality Management & Research, KKH  
Ms Elaine Ng, Assistant Director Nursing, CGH*

1. Heparinized Saline Versus Normal Saline in Maintaining Patency of Arterial and Central Venous Pressure Line Monitoring  
*Ms Goh Ling Jia, Nursing, SGH*
2. A Survey of Nurses' Pharmaceutical Knowledge on Immunosuppressive Drug Used in Kidney Transplant  
*Ms Mas Linda Bte Mohamad, Nursing, SGH*
3. A Prospective, Randomized and Controlled Trial Using Parallel Design to Evaluate the Efficacy of Forced-Air Warming Bair Hugger Full Access Under body Blanket in Maintaining Body Temperature as Compared to Circulating Water Warming Mattress and Forced-Air Warming Bair Hugger Cath Lab (U-Shape) Blanket in Coronary Artery Bypass Graft (CABG) Surgery  
*Ms Tay Pei Ying, Nursing, SGH*
4. Comparing the Effectiveness of Green Tea Versus Topical Metronidazole Powder in Malodour Control Of Fungating Malignant Wounds in a Controlled Randomized Longitudinal Study  
*Ms Xu Yi, Nursing, SGH*

# Scientific Programme

## DAY I - 17 April 2009 (Friday)

SGH Lecture  
Theatre  
Blk 6 Level 9

### **YOUNG INVESTIGATOR'S AWARD (Allied Health)**

Chairperson & Chief Judge: Prof Ong Yong Yau, Emeritus Consultant,  
Internal Medicine, SGH

Judges: Dr Jimmy Sng, Emeritus Consultant, Pathology, SGH  
A/Prof Colin Song, Head & Senior Consultant, Plastic Reconstructive  
& Aesthetics Surgery, SGH

1. Predictive Equations for Measurement of Resting Energy Expenditure Have Poor Agreement With Indirect Calorimetry in Overweight and Obese Individuals in the Singapore Population  
Mr Ho Chun Keong, Physiotherapy, SGH
2. An Assessment of Kidney Transplant Recipient's Knowledge on Self-Care  
Ms Janice Ho, Renal Medicine, SGH
3. Effective Antimicrobials in Combination Against Extreme Drug Resistant (XDR) *Pseudomonas Aeruginosa* (PA) with Decreasing susceptibilities (DS) to Polymyxin B (PB) in Singapore  
Ms Winnie Lee, Pharmacy, SGH
4. Distribution of COL9A2 and COL9A3 Gene Polymorphism in Male Chinese Singaporean  
Mr Edwin Lim, Physiotherapy, SGH

1530 – 1600

### **COFFEE / TEA / TRADE EXHIBITION**

SGH, The Quad Blk 6 Level 1

1600 – 1645

### **PLENARY LECTURE 2: The Clinical Encounter of Bioethics and Confucian Values**

COMB

Auditorium  
Level 2

Chairperson: Prof Foo Keong Tatt, Emeritus Consultant, Urology, SGH

Speaker: A/Prof Daniel Fu-Chang Tsai  
Associate Professor, Department of Social Medicine, and  
Department of Family Medicine National Taiwan University College  
of Medicine

1700 – 1800

### **SGH SCIENTIST AWARD & EVIDENCE-BASED MEDICINE (CONCURRENT)**

SGH Lecture

Theatre

Blk 6 Level 9

#### **SGH SCIENTIST AWARD**

Chairperson: Dr Shirish Shenolikar, Associate Dean, Research, Duke-NUS GMS

Judges: Dr Kah Leong Lim, Head, Neurodegeneration Research Laboratory, NNI  
Prof Kanaga Sabapathy, Principal Investigator, Cellular & Molecular  
Research, NCC

Prof Roger Beuerman, Deputy Director/Senior Scientific Director, SERI

1. Optimal Dose of Intravenous Omeprazole After Endoscopic Therapy of Bleeding Peptic Ulcer  
Dr Chan Weng Hoong, General Surgery, SGH
2. Allosteric Modulators of the NMDA Receptor for the Treatment of Neurological Disorders  
Dr Han Man-Lin Reena, Research, Duke-NUS GMS
3. Reducing Ambulance Response Times Using Geospatial-Time Analysis of Ambulance Deployment  
A/Prof Marcus Ong Eng Hock, Emergency Medicine, SGH

# Scientific Programme

## DAY 1 - 17 April 2009 (Friday)

SGH-PGMI

Rm 4

Blk 6 Level 1

### **EVIDENCE-BASED MEDICINE: BEST SYSTEMATIC REVIEW (Surgery)**

*Chairperson: Prof London Lucien Ooi, Chairman, Division Surgery, SGH*

*Judges: Prof Ong Yong Yau, Emeritus Consultant, Internal Medicine, SGH*

*Dr Kenneth Chan, Consultant, Respiratory & Critical Care Medicine, SGH*

*Dr Tan Ru San, Senior Consultant, Cardiology, NHC*

1. Sublingual Immunotherapy for Dust Mite-Induced Allergic Rhinitis:  
A Review of the Evidence  
*Dr Shalini Arulanandam, Otolaryngology, SGH*
2. Improved Erectile Function with Phosphodiesterase Inhibitors in  
Post Radical Prostatectomy Patients  
*Dr Lee Lui Shiong, Urology, SGH*
3. A Systematic Review of Esophagectomy for Esophageal Cancer:  
Transhiatal Versus Transthoracic Approach?  
*Dr Lee Ser Yee, General Surgery, SGH*
4. A Systematic Review of Laparoscopic Bariatric Surgery For Obesity,  
Laparoscopic Sleeve Gastrectomy Versus Laparoscopic Adjustable Gastric  
Banding  
*Dr Lee Ser Yee, General Surgery, SGH*
5. Supplemental Oxygen in Reducing Postoperative Nausea and Vomiting:  
A Meta-Analysis  
*Dr Mokashi Suhas Dilip, Anaesthesiology, SGH*
6. Clomiphene Citrate, Metformin or Both as the First-Step Approach in  
Treatment of Anovulation in Patients with Polycystic Ovary Syndrome  
*Dr Pang Yi Ping Cindy, Obstetrics & Gynaecology, SGH*
7. Breast Reduction Surgery; To Drain or Not to Drain - A Systematic Review  
*Dr Mohamed Zulfikar Rasheed, Plastic, Reconstructive & Aesthetic Surgery, SGH*
8. Trapeziectomy With and Without Ligament Reconstruction and Tendon  
Interposition (LRTI) For Osteoarthritis of the Trapeziometacarpal Joint  
(TMJ): A Systematic Review  
*Dr Tan Siau Woon Jacqueline, Hand Surgery, SGH*
9. Sentinel Lymph Node Biopsy After Neoadjuvant Chemotherapy in  
Breast Cancer: A Systematic Review  
*Dr Veronique Tan, General Surgery, SGH*
10. Preoperative Chemoradiation Compared with Preoperative Radiotherapy  
for Resectable Rectal Cancer: A Systematic Review  
*Dr Mark Wong, Colorectal Surgery, SGH*

SGH-PGMI

Rm 1 Blk 6,

Level 1

### **EVIDENCE-BASED MEDICINE: BEST SYSTEMATIC REVIEW (Medicine)**

*Chairperson: Prof Fong Kok Yong, Chairman, Division of Medicine, SGH*

*Judges: A/Prof Aung Tin, Head & Senior Consultant, Glaucoma, SNEC*

*Dr Pierre Christian Ip-Yam, Senior Consultant, Anaesthesiology, SGH*

*Dr Ong Yee Siang, Associate Consultant, Plastic, Reconstructive &  
Aesthetic Surgery, SGH*

1. The Effect of Statin Treatment on Asymptomatic Patients with Calcific  
Aortic Valve Stenosis: A Systematic Review and Meta-Analysis of  
Published Studies  
*Dr Calvin Chin, Cardiology, NHC*

# Scientific Programme

## DAY I - 17 April 2009 (Friday)

2. Transcranial Direct Current Cortical Stimulation in the Rehabilitation of Stroke Patients-Focus On Upper Extremity Recovery  
*Dr Chiong Yi, Rehabilitation Medicine, SGH*
3. Excision Repair Cross Complementation (ERCC) Predicts Response and Survival in Patients with Gastro-Oesophageal Cancer Treated with Platinum Based Chemotherapy: A Systematic Review and Meta-Analysis  
*Dr Chung Shimin Jasmine, Medical Oncology, NCC*
4. Prophylactic Cranial Irradiation in the Management of Lung Cancer: A Systematic Review  
*Dr Mohamad Farid Harunal Rashid, Respiratory & Critical Care Medicine, SGH*
5. Thymidylate Synthase (TS) Can Predict Response and Survival in Patients with Gastro-Oesophageal Cancer Treated with 5FU Based Chemotherapy: A Systematic Review and Meta-Analysis  
*Dr Lian Liping, Medical Oncology, SGH*
6. Procalcitonin on Day of Onset of Fever as An Early Predictor of Bacteremia in Patients with Febrile Neutropenia: A Systematic Review and Meta-Analysis  
*Dr Lim Weijing, Medical Oncology, NCC*
7. The Role of Hematopoietic Stem Cell Transplant in Patients with Relapsed Acute Promyelocytic Leukaemia: A Systematic Review  
*Dr Colin Phipps, Haematology, SGH*
8. Clinical Efficacy of Treatment of Premalignant Skin Lesions in Organ Transplant Recipients Using Tropical Photodynamic Therapy - A Systematic Review  
*Dr Tay Liang Kiat, Dermatology, SGH*

SGH-PGMI  
Rm 3 Blk 6,  
Level 1

### **EVIDENCE-BASED MEDICINE: BEST SYSTEMATIC REVIEW (Allied Health)**

*Chairperson: Dr Camilla Wong, Deputy Head, Pharmacy, SGH*

*Judges: Dr Tan Lay Kok, Senior Consultant, Obstetrics & Gynaecology, SGH*

*A/Prof Yeo Chin Pin, Consultant, Pathology, SGH*

*Dr Lim Soon Thye, Consultant, Medical Oncology, NCC*

1. Effectiveness of Rehabilitation Exercise Programs on Shoulder Range in Post-Mastectomy Patients  
*Ms Fabia Chiang, Occupational Therapy, SGH*
2. Somatostatin Analogues Alone or In Combination with Sclerotherapy is Better Than Sclerotherapy in the Treatment of Acute Upper Gastrointestinal Hemorrhage: A Systematic Review  
*Ms Liew Yi Xin, Pharmacy, SGH*
3. Fixed-Dose Single Administration of Pegfilgrastim Versus Daily Filgrastim As Hematological Support After Autologous Peripheral Blood Stem Cell Transplantation: A Systematic Review  
*Ms Lim Yan Jiun, Pharmacy, SGH*
4. Effectiveness of Constraint Induced Movement Therapy (CIMT) in Improving Upper Limb Function for Adults with Chronic Stroke  
*Ms Jolene Neo, Occupational Therapy, SGH*
5. Effectiveness of Virtual Reality in Neurorehabilitation  
*Ms Pamela Ng, Occupational Therapy, SGH*

# Scientific Programme

## DAY 1 - 17 April 2009 (Friday)

6. Effects of Pilates Exercise on Pain and Disability in People with Chronic Low Back Pain - A Systematic Review  
*Ms Ruby Poh, Physiotherapy, SGH*
7. Effectiveness of Strength Training in Patients with Stroke  
*Ms Geetha Sekar, Physiotherapy, SGH*
8. Effects of Medium-Versus Long-Chain Triacylglycerols on Body Weight, Body Fat and Serum Lipids in Healthy Overweight/Obese Adults: A Systematic Review  
*Ms Pauline Xie, Dietetics & Nutrition Services, SGH*
9. The Effectiveness of Rehabilitation After Bankart Repair: A Systematic Review  
*Ms Yang Zixian, Occupational Therapy, SGH*
10. Effects of Massage on Hypertrophic and Keloid Scars: A Systematic Review  
*Mr Zhang Peng, Occupational Therapy, SGH*

COMB  
Auditorium  
Level 2

### **EVIDENCE-BASED MEDICINE: BEST SYSTEMATIC REVIEW (ACSS & Nursing)**

*Chairperson: A/Prof Lim Swee Hia, Director, Nursing, SGH*

*Judges: Dr Ha Tam Cam, Senior Epidemiologist, NCC  
Dr Wong Chin Ho, Associate Consultant, Plastic Reconstructive & Aesthetic Surgery, SGH  
Dr Jon Yoong, Associate Consultant, Rheumatology & Immunology, SGH*

1. A Systematic Review of the Utility of a Rapid Immunochromatographic Test for Urinary Pneumococcal Antigen in the Diagnosis of Adult Community-Acquired Pneumonia  
*Dr Deepak Rama Narayana, Pathology, SGH*
2. Comparison of the Breast Screening Cancer Detection Rate and Diagnostic Performance of Full-Field Digital Mammography Versus Screen - Film Mammography in Different Age Groups - A Systemic Review  
*Dr Leong Chee Hao Lester, Diagnostic Radiology, SGH*
3. Patency of Arterial Catheters with Heparinised Solutions versus Non-Heparinised Solutions: A Systematic Review and Meta-Analysis of Randomised Controlled Trials  
*Ms Chen Ling Jun, Nursing, SGH*
4. Use of Water Irrigation for Bowel Management in Patients with Spinal Cord Injury : A Systematic Review  
*Ms Jiang Yan, Nursing, SGH*
5. Maggot Therapy, A Quantum Leap From the Past: A Systematic Review  
*Ms Sivagame Maniya, Nursing, SGH*
6. Effectiveness Multidisciplinary Interventions for People with Parkinson's Disease  
*Ms Tan Siok Bee, Nursing, SGH*
7. The Effectiveness of Cranberries Juice in Reducing UTI in Elderly Patients: Systematic Review  
*Ms Wong Yin Yin, Nursing, SGH*

# Scientific Programme

## DAY 2 - 18 April 2009 (Saturday)

0730 - 0815  
COMB Foyer

### REGISTRATION

0815 – 0900  
COMB  
Auditorium  
Level 2

### PLENARY LECTURE 3: Shifting Sands: Does Continuing Medical Education Matter?

Chairperson: *A/Prof Sandy Cook, Associate Dean, Curriculum Development, Duke-NUS GMS*

Speaker: *Professor Katherine Grichnik, Associate Dean for CME, Professor of Anesthesia, Duke University School of Medicine*

0900 – 1000  
SGH-PGMI  
Rm 1 Blk 6,  
Level 1

### BEST ORAL PAPER (CONCURRENT)

#### BEST ORAL PAPER: Clinical

Chairperson & Chief Judge: *A/Prof Tan Puay Hoon, Head & Senior Consultant, Pathology, SGH*

Judges: *A/Prof Ong Biauwei Chi, Head & Senior Consultant, Anaesthesiology, SGH*  
*A/Prof Ooi Choon Jin, Senior Consultant, Gastroenterology & Hepatology, SGH*

1. Retinal Microvasculature in Stroke Patients: Novel Insights into Stroke Pathophysiology  
*Dr Deidre Anne De Silva, Neurology, NNI*
2. Analysis of Supportive Care Needs Among Women with Breast Cancer During Treatment  
*Dr Ho Gay Hui, Surgical Oncology, NCC*
3. Impact of Medical Thoracoscopy on Diagnostic Pathway of Pleural Effusion  
*Dr Lee Pyng, Respiratory & Critical Care Medicine, SGH*
4. A Prospective Study to Compare the Diagnostic Performance of Breast Elastography With That of Conventional Breast Sonography  
*Dr Leong Chee Hao Lester, Diagnostic Radiology, SGH*
5. Bladder Neck Mucosal Eversion Reduces Incidence of Bladder Neck Contracture After Robot-Assisted  
*Dr Lie Kwok Ying, Urology, SGH*
6. Early Versus Routine Time to Cardiac Catheterization for Patients with Acute Coronary Syndrome (ACS) - A Pilot Prospective Registry of ACS Patients  
*Dr Tan Ko Beng Julian, Cardiology, NHC*

COMB  
Auditorium  
Level 2

#### BEST ORAL PAPER: Nursing

Chairperson & Chief Judge: *A/Prof Henry Tan, Deputy Chairman, Division of Surgery & Head & Senior Consultant, Otolaryngology, KKH*

Judges: *Dr Camilla Wong, Deputy Head, Pharmacy, SGH*  
*Dr Emily Ang, Deputy Director, Cancer Institute, NUH*

1. Patient's Use of Internet to Search for Health Information Before Surgery: A Descriptive Study  
*Ms Fazila Binte Abu Bakar Aloweni, Nursing, SGH*
2. Implementation of Ventilator Bundle Decreases the Rate of Ventilator Associated Pneumonia in Cardiothoracic Intensive Care Unit  
*Ms Norashikin Bte Sarip, Nursing, NHC*

# Scientific Programme

## DAY 2 - 18 April 2009 (Saturday)

3. Evaluating the Effectiveness of the Nurse Specialist's Role in The Care of Patients with Inflammatory Bowel Disease  
*Ms Pavitar Gill, Centre for Health Services Research, SHS*
4. A Descriptive Study on OT Nurses' Knowledge and Perception towards Radiation Exposure  
*Ms Kok Pei Lai, Nursing, SGH*
5. Perception of Families Towards Their Role in Caring For Their Elderly With Stoma: A Qualitative Study  
*Ms Siah Chiew Jiat, Nursing, SGH*
6. A Randomised, Double-Blind Trial to Assess the Effectiveness of Intra-Rectal Diclofenac Suppository Administration Compared to Intravenous Pethidine in Relieving Pain During Extracorporeal Shockwave Lithotripsy  
*Ms Juriyah Binte Yatim, Nursing, SGH*
7. Preventing Central Venous Catheter Associated Bacteraemia: Is Zero Tolerance A Reality?  
*Ms Suriani Binte Zahari, Nursing, NHC*

SGH-PGMI

Rm 3 & 4 Blk 6,  
Level 1

### **BEST ORAL PAPER: Allied Health**

Chairperson & Chief Judge: *Dr Jeremy Lim, Director, Research & Education, Office of Research, SingHealth Corporate Office*

Judges: *A/Prof Sandy Cook, Associate Dean, Curriculum Development, Duke-NUS GMS*

*Dr Png Hong Hock, Deputy Director Nursing, DNA - Pat Care Svcs & Prof Affairs Admin, SGH*

1. Impact of Colony Stimulating Factors to Reduce Febrile Neutropenic Events in Asian Breast Cancer Patients Receiving Docetaxel Plus Cyclophosphamide Chemotherapy  
*Dr Alexandre Chan, Oncology Pharmacy, NCC*
2. In Vitro Activity of Antimicrobials in Combination against Clinical Strains of Extreme-Drug Resistant (XDR) *Acinetobacter Baumannii* (AB) Resistant to All Antibiotics Including Polymyxin B (PB) in Singapore  
*Mr Lim Tze Peng, Pharmacy, SGH*
3. In Vitro Activity of Polymyxin B (PB) and Rifampicin (R) in Combination against Pandrug-Resistant (PDR) *Acinetobacter SP.* (AS)  
*Mr Lim Tze Peng, Pharmacy, SGH*
4. Determinants of Lumbar Degenerative Disc Disease (DDD)  
*Mr Edwin Lim, Physiotherapy, SGH*
5. Healthcare Workers In Singapore Have Lower Health-Related Quality of Life Scores Compared to the General Population  
*Mr Tin Aung Soe, Centre for Health Services Research, SHS*
6. Risk Factors of Fallers Among Community Dwelling Older Adults in Singapore  
*Ms Irene Toh, Physiotherapy, SGH*

# Scientific Programme

## DAY 2 - 18 April 2009 (Saturday)

SGH

Lecture Theatre  
Blk 6 Level 9

### **BEST ORAL PAPER: Basic Science**

Chairperson & Chief Judge: *Prof Roger Beuerman, Deputy Director/  
Senior Scientific Director, SERI*

Judges: *Dr Chong Tsung Wen, Senior Consultant, Urology, SGH  
Dr Li Jing, Senior Research Scientist, SERI*

1. Patient Classification Based on Pre-Hospital Heart Rate Variability  
*A/Prof Marcus Ong Eng Hock, Emergency Medicine, SGH*
2. Erbitux Increases the Efficacy of Photodynamic Therapy and Improves Tumor Responsiveness in a Preclinical Bladder Tumor Model  
*Ms Ramaswamy Bhuvanewari, Research Divisions - Medical Sciences, NCC*
3. Detection of Intracellular Target for Photosensitization in Cancer Photodynamic Therapy  
*Dr Mohamed Ali Seyed, Research Divisions - Medical Sciences, NCC*
4. Clinical Applications of Fluorescence Imaging and Autofluorescence and Diffuse Reflectance Spectroscopy for the Diagnosis of Human Oral Cavity Lesions  
*Dr Patricia Thong, Research Divisions - Medical Sciences, NCC*
5. Clinical Utility of Ambulatory Blood Pressure Monitoring in the Acute Ischemic Stroke Period  
*Ms Woon Fung Peng, Research Lab, NHC*
6. High Levels of Gastric Mucosal IL 1 $\beta$  are Found in Patients with Past Helicobacter Pylori Gastritis  
*Dr Lui Sook Yin, Gastroenterology and Hepatology, SGH*

1000 – 1030

SGH, The Quad  
Blk 6 Level 1

### **COFFEE/TEA/TRADE EXHIBITION**

1030 – 1115

COMB  
Auditorium  
Level 2

### **PLENARY LECTURE 4: Specialist Training in Singapore at the Crossroads**

Speaker: *A/Prof Colin Song, Head & Senior Consultant, Plastic, Reconstructive & Aesthetic Surgery, SGH; Director, SGH Postgraduate Medical Institute, SGH  
Prof Katherine Grichnik, Associate Dean for CME, Professor of Anesthesia, Duke University School of Medicine*

1115 – 1245

SGH  
Lecture Theatre  
Blk 6 Level 9

### **SYMPOSIUM 5 - 8 (CONCURRENT)**

#### **SYMPOSIUM 5: Diabetes and Cardiac/Vascular Disease**

Chairperson: *Dr Victor Lim, Senior Consultant, Cardiology, NHC*

1. Preventing Cardiovascular Disease with Good Diabetes Control: Missing the Target?  
*Dr Daniel Wai, Consultant, Endocrinology, SGH*
2. PCI vs CABG: Which is the Best Option for Diabetic Multivessel Coronary Disease?  
*Dr Paul Chiam, Consultant, Cardiology, NHC*
3. Periodontal Disease and Systemic Health: Is There a Link?  
*Dr Koh Chu Guan, Senior Consultant, Restorative Dentistry, NDC*
4. Minimally Invasive Surgical Approach to Diabetic Peripheral Vascular Disease  
*Dr Mathew Sebastian, Senior Consultant, General Surgery, SGH*

# Scientific Programme

## DAY 2 - 18 April 2009 (Saturday)

SGH-PGMI  
Rm 3 & 4  
Blk 6, Level 1

### **SYMPOSIUM 6: Application of the Stem Cell Technology**

*Chairperson: Dr Shirish Shenolikar, Associate Dean, Research, Duke-NUS GMS*

1. The Potential of Resident Stem Cells for Functional Repair of the Brain  
*Dr Eyleen Goh, Assistant Professor, Neuroscience & Behavioral Disorders, Duke-NUS GMS*
2. Embryonic and Adult Stem Cells in Drug Discovery  
*Dr Alan Colman, Executive Director, Singapore Stem Cell Consortium, A\*Star*
3. Hematopoietic Stem Cell Transplantation: Lost and Found in Translation  
*Dr William YK Hwang, Senior Consultant, Haematology, SGH; Assistant Professor, Duke-NUS GMS, Medical Director, Singapore Cord Blood Bank*
4. Cancer Stem Cell Model of Glioma Tumorigenesis  
*Dr Carol Tang, Principal Investigator Research, NNI*

COMB  
Auditorium  
Level 2

### **SYMPOSIUM 7: Advancements in Minimally Invasive Surgery**

*Chairperson: A/Prof Christopher Cheng, Head & Senior Consultant, Urology, SGH*

1. Minimally Invasive Cardiothoracic Surgery  
*Dr Tan Teing Ee, Senior Consultant, Cardiothoracic Surgery, NHC*
2. Advancements in Minimally Invasive Colorectal Surgery  
*Dr Ng Kheng Hong, Consultant, Colorectal Surgery, SGH*
3. Advancements in Minimally Invasive Urology  
*Dr Tan Yeh Hong, Consultant, Urology, SGH*
4. Minimally Invasive Surgery; Novel Approach or Standard of Care?  
*Dr Shanker Pasupathy, Consultant, General Surgery, SGH*

SGH-PGMI  
Rm 1  
Blk 6, Level 1

### **SYMPOSIUM 8: Cancer and Palliative Care-Interdisciplinary Care in Action**

*Chairperson: Dr Alethea Yee, Consultant, Palliative Medicine, NCC*

*Panel of Expert Speakers:*

*Dr Lalit Krishna, Consultant, Palliative Medicine, NCC*  
*A/Prof Simon Ong, Senior Consultant, Medical Oncology, NCC*  
*Dr Michael Wang, Consultant, Therapeutic Radio-oncology, NCC*  
*Dr Ho Kok Sun, Consultant, Colorectal Surgery, SGH*  
*Dr Jane George, Senior Consultant, Pain Management Centre, SGH*  
*Ms Jamie Woon, Senior Medical Social Worker, NCC*  
*SSN Tay Beng Choo, Nurse Clinician, Palliative Medicine, NCC*

*Presenters:*

*Dr Ong Wah Ying, Registrar, Palliative Medicine, NCC*  
*Dr Sundus Hussain-Morgan, Resident Physician, Palliative Medicine, NCC*

1245 – 1330  
SGH, The Quad  
Blk 6 Level 1

### **LUNCH/TRADE EXHIBITION**

1330

**END**

## Pre- & Post-ASM Satellite Meetings

### Medical Mentoring Workshop

Date	: 15 April 2009, Wednesday
Time	: 1330 – 1730 hrs
Venue	: SGH Postgraduate Medical Institute
Registration	: Complimentary. Pre-registration required
Target Audience	: Senior staff at Registrar / Consultant level who are expected to play the role of mentor; and junior staff at the MO/Trainee level, who would like to reap the benefits of being a protégé
Secretariat	: Jocelyn Chng, Division of Surgery Call 6326 5899 or email <a href="mailto:jocelyn.chng.p.y@sgh.com.sg">jocelyn.chng.p.y@sgh.com.sg</a>

### Postgraduate Course 2009: Updates for the Busy Family Physician

Date	: 18 April 2009, Saturday
Time	: 1200 – 1730 hrs
Venue	: SGH Postgraduate Medical Institute
Registration	: Complimentary. Pre-registration required
Target Audience	: Family Physicians
Secretariat	: SGH Postgraduate Medical Institute Fax to 6223 9789 or email <a href="mailto:pgmi.gpcme@sgh.com.sg">pgmi.gpcme@sgh.com.sg</a>

### Ethics: From the Laboratory to the Bedside

Date	: 20 April 2009, Monday
Time	: 0900 – 1300 hrs
Venue	: SGH Postgraduate Medical Institute

### Ultrasound Skills in Critical Care

Date	: 25 April 2009, Saturday
Time	: 0830 – 1730 hrs
Venue	: SGH Postgraduate Medical Institute
Registration	: SGD 100 (SingHealth Staff) SGD 150 (Non SingHealth Staff)
Target Audience	: Medical officers, Registrars and Consultants who use Ultrasound in their clinical work
Secretariat	: Ms Jessica Leong / Ms Zhang YiRan SGH Postgraduate Medical Institute Call 6321 4071 / 6326 6944 or email <a href="mailto:pgmi.courses@sgh.com.sg">pgmi.courses@sgh.com.sg</a>

# Programme - Postgraduate Course

## Updates for the Busy Family Physician

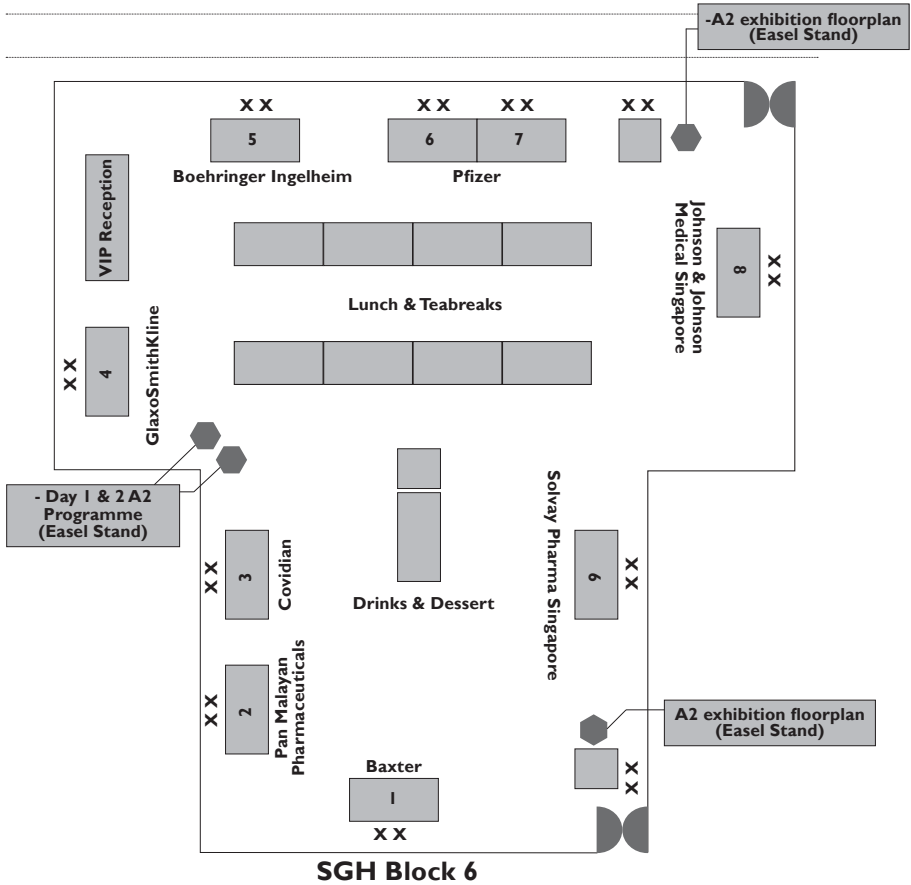
**Saturday, 18 April 2009**

- |             |   |
|-------------|---|
| 1200 – 1315 | <b>Registration and Lunch</b>   |
| 1315 – 1330 | <b>Welcome Address</b><br>by Dr Lee Kheng Hock  |
| 1330 – 1400 | <b>Assessing and Initial Management of Trauma in a Family Medicine Setting</b><br>by Dr Lee Kheng Hock        |
| 1400 – 1430 | <b>A Systematic Assessment of Patients with Diabetes, Hypertension and Hyperlipidemia</b><br>by Dr Matthew Ng |
| 1430 – 1500 | <b>A Systematic Assessment of an Elderly Patient</b><br>by Dr Lim Si Ching                                    |
| 1500 – 1530 | <b>Rehabilitation of Stroke Patients in their Home Environment</b><br>by Dr Ng Yee Sien                       |
| 1530 – 1600 | <b>Tea Break</b>  |
| 1600 – 1630 | <b>Interpreting CXR</b><br>by Dr Ong Kian Chung   |
| 1630 – 1700 | <b>Health Screening: What is Evidence based and What is not?</b><br>by Dr Ng Lee Beng                         |
| 1700 – 1730 | <b>ECG Interpretation: Easily Missed Pathologies</b><br>by Dr K Gunasegaran                                   |

# Floor Plan of Trade Exhibition

The Quad, Block 6 Level 1, Singapore General Hospital

## College of Medicine Building



Booth	Exhibitors
1	Baxter
5	Boehringer Ingelheim
3	Covidien
4	GlaxoSmithKline
8	Johnson & Johnson Medical Singapore
2	Pan Malayan Pharmaceuticals
6 & 7	Pfizer
9	Solvay Pharma Singapore

## Acknowledgements

The Chairmen and members of the Organising Committee would like to thank the following for their generous support towards making the SGH 18th Annual Scientific Meeting a success:

Baxter

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GlaxoSmithKline

Johnson & Johnson Medical Singapore

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Lee Foundation

New Century Foundation

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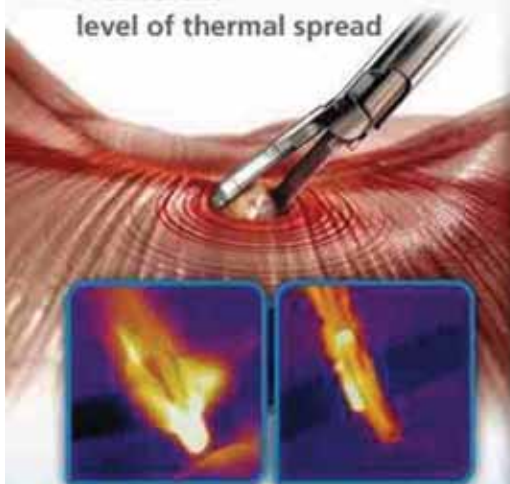
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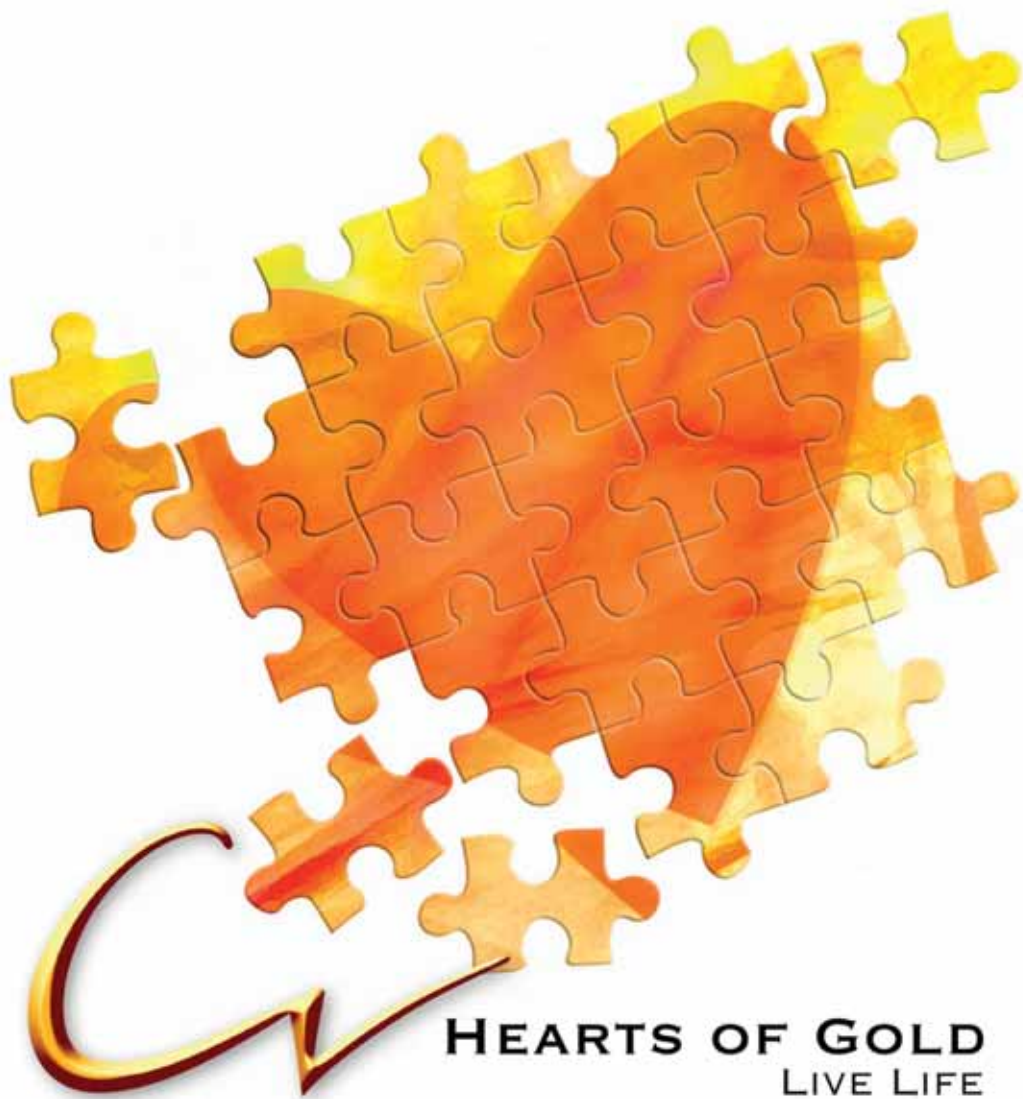
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Further information available upon request