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# NHG Doctor Award - Competition Sessions

\*For the following oral presentations, rooms will be closed 5 minutes before the start of the session

**16 Oct 09 | Meeting Room 301-302 | 0730-0935 hours**

## **NHGD1: The Novel Use of a Human Cord Blood Serum-Supplemented Culture Medium for the Ex Vivo Expansion of Conjunctival and Limbal Epithelial Cells**

[LPK ANG](#)<sup>1,2,3,4</sup>, [HM REZA](#)<sup>4</sup>, [XW TAN](#)<sup>4</sup>, [PT DO](#)<sup>4</sup>, [MT ZAW](#)<sup>4</sup>, [LPS ANG](#)<sup>5</sup>, [C YAP](#)<sup>6</sup>, [TH KOON](#)<sup>6</sup>, [DTH TAN](#)<sup>2,3,4</sup>, [RW BEUERMAN](#)<sup>4</sup>

<sup>1</sup>The Eye & Cornea Transplant Centre,

<sup>2</sup>Ophthalmology, Yong Loo Lin School of Medicine, National University Health System,

<sup>3</sup>Singapore National Eye Centre,

<sup>4</sup>Singapore Eye Research Institute,

<sup>5</sup>Ophthalmology, Tan Tock Seng Hospital,

<sup>6</sup>Obstetrics and Gynaecology, Singapore General Hospital, Singapore

**First / Presenting Author: A/Prof Leonard Ang**

## **NHGD2: Liver Stem Cells for Cellular Transplantation**

[YY DAN](#)<sup>1</sup>, [H HUNG](#)<sup>1</sup>, [L AMER](#)<sup>1</sup>, [PC WOMG](#)<sup>2</sup>, [N FAUSTO](#)<sup>3</sup>, [SG LIM](#)<sup>1</sup>

<sup>1</sup>Dept of Medicine, Yong Loo Lin School of Medicine, National University of Singapore, NUHS

<sup>2</sup>Dept of Obs/Gyn, Yong Loo Lin School of Medicine, National University of Singapore, NUHS

<sup>3</sup>Dept of Pathology, University of Washington, USA

**First / Presenting Author: Dr Dan Yock Young**

## **NHGD3: Final Results of a Phase II Study of Nab-Paclitaxel, Bevacizumab, and Gemcitabine as First-Line Therapy for Patients with HER2-Negative Metastatic Breast Cancer (MBC)**

[G LOPES](#), [C LOBO](#), [S GLUCK](#), [J HURLEY](#), [I REIS](#), [P SEO](#), [O SILVA](#), [J SLINGERLAND](#), [C WELSH](#), [S RICHMAN](#), [A CASTRELLON](#), [K TUKIA](#), [C HIGGINS](#), [A FERRELL](#), [E HURLEY](#)

Johns Hopkins Singapore International Medical Centre and the University of Miami, Sylvester Cancer Center

**First / Presenting Author: Dr Gilberto Lopes**

## **NHGD4: Impact of Glutamate Genes on Neuroanatomy - Association between GRIN2A Genetic Polymorphisms and Cerebral White Matter Integrity in Schizophrenia**

[K SIM](#)<sup>1,2</sup>, [PS WOON](#)<sup>2</sup>, [MY CHIA](#)<sup>2</sup>, [WY CHAN](#)<sup>2</sup>, [GL YANG](#)<sup>3</sup>, [JJ LIU](#)<sup>4</sup>, [SS LIM](#)<sup>4</sup>, [HQ LOW](#)<sup>4</sup>, [EC TAN](#)<sup>5</sup>, [SA CHONG](#)<sup>2</sup>, [YY SITO](#)<sup>6</sup>, [WL NOWINSKI](#)<sup>3</sup>

<sup>1</sup>Department of General Psychiatry, Institute of Mental Health and Woodbridge Hospital, Singapore,

<sup>2</sup>Department of Research, Institute of Mental Health and Woodbridge Hospital, Singapore,

<sup>3</sup>Biomedical Imaging Laboratory, Singapore Bioimaging Consortium, Agency for Science, Technology and Research (ASTAR), Singapore,

<sup>4</sup>Genome Institute of Singapore, Agency for Science, Technology and Research (ASTAR), Singapore,

<sup>5</sup>KK Research Centre (Genetics Section), KK Women's and Children's Hospital, Singapore

<sup>6</sup>Department of Neuroradiology, National Neuroscience Institute, Singapore

**First / Presenting Author: Dr Sim Kang**

## **NHGD5: A Prospective Randomized Clinical Trial of Manual Sutureless Small-Incision Cataract Surgery vs. Phacoemulsification**

[CS TAN](#)<sup>1,2</sup>, [WK NGO](#)<sup>1,2</sup>, [R VENKATESH](#)<sup>3</sup>, [FP YANG](#)<sup>1,2</sup>, [AC THAM](#)<sup>1,2</sup>, [EM GAY](#)<sup>1,4</sup>

<sup>1</sup> National Healthcare Group Eye Institute, Singapore,

<sup>2</sup> Ophthalmology, Tan Tock Seng Hospital, Singapore,

<sup>3</sup> Aravind Eye Institute, India,

<sup>4</sup> Yong Loo Lin School of Medicine, National University of Singapore, Singapore

**First / Presenting Author: Dr Colin Tan**

# NHG Young Investigator Awards - Competition Sessions

\*For the following oral presentations, rooms will be closed 5 minutes before the start of the session

## (A) Basic Science / Translational Research

16 Oct 09 | Meeting Room 303 | 0800-0940 hours

### **YIA-BS 01: Human Gene Polymorphism and Response to Bacillus Calmette-Guerin immunotherapy for Superficial Bladder Cancer**

[E CHIONG](#)<sup>1&2</sup>, [A KESAVAN](#)<sup>2</sup>, [R MAHENDRAN](#)<sup>1</sup>, [YH CHAN](#)<sup>3</sup>, [TMC TAN](#)<sup>4</sup>, [KESUVARANATHAN](#)<sup>1&2</sup>

<sup>1</sup> Surgery, National University of Singapore

<sup>2</sup> Urology, National University Hospital, Singapore

<sup>3</sup> Biostatistics Unit, Yong Loo Lin School of Medicine, National University of Singapore

<sup>4</sup> Biochemistry, National University of Singapore

**First / Presenting Author: Dr Edmund Chiong**

### **YIA-BS 02: A Novel Metabonomics Approach for Early Diagnosis of Epithelial Ovarian Cancer**

[N KOTHANDARAMAN](#)<sup>1</sup>, [AZ FERNANDIS](#)<sup>2</sup>, [VB BAJIC](#)<sup>3</sup>, [W MARKUS](#)<sup>2</sup>, [M CHOOLANI](#)<sup>1</sup>

<sup>1</sup> Department of Obstetrics and Gynaecology, Yong Loo Lin School of Medicine, National University of Singapore,

<sup>2</sup> Department of Biochemistry, Yong Loo Lin School of Medicine, National University of Singapore,

<sup>3</sup> Computational Bioscience Research Centre, KAUST, Saudi Arabia

**First / Presenting Author: Dr Narasimhan Kothandaraman**

### **YIA-BS 03: Late Gestation Intrauterine Gene Therapy with Self-Complementary Adeno-Associated Vectors Achieves Long-term Transgene Expression in New-Born Cynomolgus Macaques**

[CN MATTAR](#)<sup>1</sup>, [N DIGHE](#)<sup>1</sup>, [S WADDINGTON](#)<sup>2</sup>, [J MCINTOSH](#)<sup>2</sup>, [A BISWAS](#)<sup>1</sup>, [N FISK](#)<sup>3</sup>, [AM DAVIDOFF](#)<sup>4</sup>, [AC NATHWANI](#)<sup>2</sup>, [MA CHOOLANI](#)<sup>1</sup>, [J CHAN](#)<sup>1</sup>

<sup>1</sup> Experimental Fetal Medicine Group, Obstetrics and Gynaecology, National University Health System, Singapore;

<sup>2</sup> Haematology, University College London, United Kingdom;

<sup>3</sup> University of Queensland Centre for Clinical Research, Australia;

<sup>4</sup> Department of Surgery, St Jude Children's Research Hospital, USA

**First / Presenting Author: Dr Citra Mattar**

### **YIA-BS 04: Development of a Novel Cell-Based Platform for the Rapid Detection of Human Enterovirus 71 Infection Using Fluorescence Resonance Energy Transfer**

[KX WU](#)<sup>1</sup>, [JSY LOW](#)<sup>1</sup>, [ML NG](#)<sup>1</sup>, [JJH CHU](#)<sup>1</sup>

<sup>1</sup> Department of Microbiology, Yong Loo Lin School of Medicine, National University of Singapore

**First / Presenting Author: Mr Wu Kan Xing**

## (B) Clinical Research

16 Oct 09 | Meeting Room 304 | 0800-0940 hours

### **YIA-CR 01: Singapore Childhood Cancer Survivors Study (SIN-CCSS): A Multi-Institutional Collaborative Study on Long-Term Survivors of Childhood Cancer**

[LAUNG](#)<sup>1</sup>, [SM SABAI](#)<sup>1</sup>, [YH CHAN](#)<sup>2</sup>, [TD KHAING](#)<sup>1</sup>, [EJ YEOH](#)<sup>1</sup>, [TC QUAH](#)<sup>1</sup>, [MY CHAN](#)<sup>3</sup>, [AM TAN](#)<sup>3</sup>.

<sup>1</sup> Division of Pediatric Hematology-Oncology, National University Hospital System;

<sup>2</sup> Biostatistics Unit, Yong Loo Lin School of Medicine, National University of Singapore;

<sup>3</sup> Division of Pediatric Hematology-Oncology, KK Women's and Children's Hospital, Singapore

**First / Presenting Author: Dr Aung Lele**

### **YIA-CR 02: The Associations between Low-HDL cholesterol, Adiponectin and Cardiovascular Risk Factors – Results from a Cross-Sectional Study in Female Healthcare Workers**

[N JAUHAR](#)<sup>1</sup>, [T SUBRAMANIAM](#)<sup>1</sup>, [A OMAR](#)<sup>2</sup>, [TC LIM](#)<sup>2</sup>, [MS WONG](#)<sup>2</sup>, [CF SUM](#)<sup>1</sup>, [SC LIM](#)<sup>1</sup>

<sup>1</sup> General Medicine, Alexandra Hospital, Singapore

<sup>2</sup> Laboratory Medicine, Alexandra Hospital, Singapore

**First / Presenting Author: Dr Niyati Jauhar**

**YIA-CR 03: Discrepancy in Prognostic Utility of Normal TC-Tetrofosmin Myocardial Perfusion SPECT Among Different Asian Ethnic Groups**

[WM SOO](#)<sup>1</sup>, [HY ONG](#)<sup>2</sup>, [R WONG](#)<sup>1</sup>

<sup>1</sup> National University Heart Centre,

<sup>2</sup> Cardiology, Alexandra Hospital, Singapore

**First / Presenting Author: Dr Soo Wern Miin**

**YIA-CR 04: A Low Level of Self-perceived Susceptibility and Cost Concerns are Important Barriers to the Uptake of Colorectal Cancer Screening**

[R-KM WONG](#)<sup>1</sup>, [ML WONG](#)<sup>2</sup>, [YH CHAN](#)<sup>3</sup>, [Z FENG](#)<sup>3</sup>, [CT WAI](#)<sup>4</sup>, [KG YEOH](#)<sup>1,3</sup>

<sup>1</sup>Dept of Gastroenterology and Hepatology, National University Hospital Singapore

<sup>2</sup>Dept of Community, Occupational and Family Medicine, Yong Loo Lin School of Medicine Singapore

<sup>3</sup>Faculty of Medicine, Yong Loo Lin School of Medicine Singapore

<sup>4</sup>Asian Centre for Liver Diseases and Transplantation Singapore

**First / Presenting Author: Dr Reuben Wong**

**(C) Quality, Health Services Research**

**16 Oct 09 | Meeting Room 306 | 0800-0940 hours**

**YIA-QHSR 01: Preliminary Results of a Multidisciplinary Falls Evaluation Programme for Elderly Fallers Presenting to the Emergency Department**

[CL FOO](#)<sup>1</sup>, [N HAFIZAH](#)<sup>2</sup>, [E SEOW](#)<sup>1</sup>

<sup>1</sup>Emergency Department, Tan Tock Seng Hospital,

<sup>2</sup>Geriatric Department, Tan Tock Seng Hospital, Singapore

**First / Presenting Author: Dr Foo Chik Loon**

**YIA-QHSR 02: A Non-Laboratory Based Risk Score for the Early Detection of Individuals with Undiagnosed Type 2 Diabetes in Singapore**

[CM KHOO](#)<sup>1</sup>, [S MA](#)<sup>2</sup>, [D HENG](#)<sup>2</sup>, [SK CHEW](#)<sup>2</sup>, [ES TAI](#)<sup>1</sup>

<sup>1</sup>Medicine, National University Hospital,

<sup>2</sup>Ministry of Health, Singapore

**First / Presenting Author: Dr Khoo Chin Meng**

**YIA-QHSR 03: Central Obesity and Low HMW Adiponectin Predict Glucose Intolerance in Individuals with Family History of Diabetes**

[CM KHOO](#)<sup>1</sup>, [CF LIEW](#)<sup>1</sup>, [J TAN](#)<sup>1</sup>, [E CUNANAN](#)<sup>1</sup>, [KO LEE](#)<sup>1</sup>, [P LIM](#)<sup>1</sup>

<sup>1</sup>Medicine, National University Hospital, Singapore

**First / Presenting Author: Dr Khoo Chin Meng**

**YIA-QHSR 04: Significant Predictors of Gleason Sum Upgrading in Potential Candidates for Active Surveillance of Presumed Low-Risk Prostate Cancer: Refinements to Contemporary Selection Criteria**

[GY TAN](#)<sup>1,5</sup>, [CK NG](#)<sup>1</sup>, [ND PATEL](#)<sup>1</sup>, [PJ DORSEY JR](#)<sup>1</sup>, [M JOHN](#)<sup>2</sup>, [Y EL DOUAIHY](#)<sup>1</sup>, [M SHEVCHUK](#)<sup>3</sup>, [J TU](#)<sup>3</sup>, [MB AMIN](#)<sup>4</sup>, [AK TEWARI](#)<sup>1</sup>

<sup>1</sup>James Buchanan Brady Foundation Department of Urology, Weill Medical College of Cornell University, New York, USA;

<sup>2</sup>Department of Public Health, Weill Medical College of Cornell University, New York;

<sup>3</sup>Department of Pathology and Laboratory Medicine, Weill Medical College of Cornell University, New York;

<sup>4</sup>Department of Pathology and Laboratory Medicine, Cedars-Sinai Medical Center, University of California Los Angeles;

<sup>5</sup>Department of Urology, Tan Tock Seng Hospital, Singapore

**First / Presenting Author: Dr Gerald Tan**

# Best Oral Presentations - Competition Sessions

\*For the following oral presentations, rooms will be closed 5 minutes before the start of the session

## (A) Allied Health

16 Oct 09 | Meeting Room 308 | 0730-0850 hours

### **BO-AH 01: Validation of Mid Arm Muscle Circumference and Triceps Skinfold Thickness with Subjective Global Assessment**

[SL LIM](#)<sup>1</sup>, [CY TONG](#)<sup>1</sup>, [RCS SEET](#)<sup>2</sup>, [WC LOKE](#)<sup>3</sup>, [M FERGUSON](#)<sup>4</sup>, [L DANIELS](#)<sup>4</sup>

<sup>1</sup>Dietetics Department, National University Hospital, Singapore,

<sup>2</sup>Department of Medicine, National University Hospital, Singapore,

<sup>3</sup>Health & Wellness Programme Office, Ministry of Health-Economic Development Board, Singapore,

<sup>4</sup>Institute of Health and Biomedical Innovation, Queensland University of Technology, Australia

**First / Presenting Author: Ms Lim Su Lin**

### **BO-AH 02: Do Abdominal Binders Improve Peak Expiratory Flow During Chest Wall Vibration in Ventilated Adult Patients?**

[P RAJOO](#)<sup>1,2,3</sup>, [G NTOUMENOPOULOS](#)<sup>3</sup>, [H SHANNON](#)<sup>2</sup>, [E MAIN](#)<sup>2</sup>

<sup>1</sup>Physiotherapy, Tan Tock Seng Hospital, Singapore,

<sup>2</sup>University College London, Institute of Child Health, London, United Kingdom,

<sup>3</sup>Physiotherapy, Guy's and St. Thomas' National Health Service Foundation Trust, St. Thomas' Hospital, London, United Kingdom

**First / Presenting Author: Ms Pradha Rajoo**

### **BO-AH 03: The Effect of Visual Field Loss on Balance Performance**

[LJR WELLER](#)<sup>1,2</sup>

<sup>1</sup>School of Physiotherapy, University of Nottingham, Nottingham, England,

<sup>2</sup>Physiotherapy Department, Tan Tock Seng Hospital, Singapore

**First / Presenting Author: Ms Lindsey Weller**

## (B) Basic Science

16 Oct 09 | Meeting Room 309 | 0730-0850 hours

### **BO-BS 01: NrCAM Overexpression is an Independent Predictor of Poor Prognosis in Colorectal Cancer**

[JY CHAN](#)<sup>1,2</sup>, [CW ONG](#)<sup>1,3</sup>, [M SALTO-TELLEZ](#)<sup>1,3</sup>

<sup>1</sup>Cancer Science Institute, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

<sup>2</sup>Department of Medical Oncology, Singapore General Hospital, Singapore

<sup>3</sup>Department of Pathology, National University Health System, National University of Singapore, Singapore

**First / Presenting Author: Dr Jason Chan Yongsheng**

### **BO-BS 02: Involvement of SPARC in the Tissue Invasiveness of Pterygium**

[L.F. SEET](#)<sup>1</sup>, [L. TONG](#)<sup>1,2</sup>, [R.S.M SU](#)<sup>1</sup>, [SJ YU](#)<sup>1</sup>, [T.T WONG](#)<sup>1,2</sup>.

<sup>1</sup>Singapore Eye Research Institute, Ocular Wound Healing Group, Singapore,

<sup>2</sup>Singapore National Eye Center, Singapore

**First / Presenting Author: Dr Seet Li Fong**

### **BO-BS 03: Generation of Human Fetal Mesenchymal Stem Cell Mediated Tissue Engineered Bone Graft for Large Defect Healing**

[Z ZHANG](#)<sup>1,2</sup>, [JKY CHAN](#)<sup>3</sup>, [MSK CHONG](#)<sup>3</sup>, [C MATTAR](#)<sup>3</sup>, [ESM LEE](#)<sup>3</sup>, [LG TAN](#)<sup>3</sup>, [MA CHOOLANI](#)<sup>3</sup>, [SH TEOH](#)<sup>1,2,4</sup>

<sup>1</sup>Mechanical Engineering, Faculty of Engineering, National University of Singapore, Singapore

<sup>2</sup>Centre for Biomedical Materials Applications and Technology (BIOMAT), National University of Singapore, Singapore

<sup>3</sup>Department of Obstetrics & Gynaecology, Yong Loo Lin School of Medicine, National University of Singapore and National University Hospital, Singapore

<sup>4</sup>National University of Singapore Tissue Engineering Programme (NUSTEP), National University of Singapore, Singapore

**First / Presenting Author: Dr Zhang Zhiyong**

## (C) Medical Disciplines

16 Oct 09 | Meeting Room 310 | 0730-0850 hours

### **BO-M 01: Detection of Pre-Neoplastic Gastric Lesions in a High Risk Chinese Cohort Using Endoscopic Autofluorescence Imaging followed by Narrow Band Imaging versus Standard White Light Endoscopy – Prospective Randomized Double Blind Crossover Study**

[A RAJNAKOVA](#)<sup>1</sup>, [M SALTO-TELLEZ](#)<sup>2</sup>, [M TEH](#)<sup>2</sup>, [YH CHAN](#)<sup>3</sup>, [JBY SO](#)<sup>4</sup>

<sup>1</sup> Department of Gastroenterology and Hepatology, National University Hospital, Singapore,

<sup>2</sup> Pathology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore,

<sup>3</sup> Biostatistics Unit, Yong Loo Lin School of Medicine, National University of Singapore, Singapore,

<sup>4</sup> Surgery, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

**First / Presenting Author: Dr Andrea Rajnakova**

### **BO-M 02: Retinal Arteriolar Narrowing Increases the Likelihood of Chronic Kidney Disease in Hypertension**

[C SABANAYAGAM](#)<sup>1,2</sup>, [ES TAI](#)<sup>3,4</sup>, [A SHANKAR](#)<sup>5</sup>, [J LEE](#)<sup>4</sup>, [C SUN](#)<sup>6</sup>, [TY WONG](#)<sup>1,2,6</sup>

<sup>1</sup>Department of Ophthalmology, National University of Singapore, Singapore,

<sup>2</sup>Singapore Eye Research Institute, Singapore,

<sup>3</sup>Singapore General Hospital, Singapore,

<sup>4</sup>Department of Epidemiology and Public Health, National University of Singapore, Singapore,

<sup>5</sup>Department of Community Medicine, West Virginia University School of Medicine,

<sup>6</sup>Centre for Eye Research Australia, University of Melbourne, Melbourne, Australia

**First / Presenting Author: Dr Charumathi Sabanayagam**

### **BO-M 03: Novel Multimodal Examination of Thalamic Shape, Volume and White Matter Integrity in Patients with Early Onset Schizophrenia**

[K SIM](#)<sup>1,2</sup>, [A QIU](#)<sup>3,4,5</sup>, [MY CHIA](#)<sup>2</sup>, [J ZHONG](#)<sup>6</sup>, [S GRAHAM](#)<sup>7</sup>

<sup>1</sup>Department of General Psychiatry, Institute of Mental Health and Woodbridge Hospital, Singapore,

<sup>2</sup>Department of Research, Institute of Mental Health and Woodbridge Hospital, Singapore,

<sup>3</sup>Division of Bioengineering, National University of Singapore (NUS), Singapore,

<sup>4</sup>Clinical Imaging Research Center, NUS, Singapore,

<sup>5</sup>Singapore Institute for Clinical Sciences, the Agency for Science, Technology and Research, Singapore,

<sup>6</sup>NUS Graduate School for Integrative Sciences and Engineering, NUS, Singapore,

<sup>7</sup>Department of Psychology, NUS, Singapore

**First / Presenting Author: Dr Sim Kang**

## (D) Primary Care

16 Oct 09 | Meeting Room 311 | 0730-0850 hours

### **BO-PC 01: Sleepless in Singapore – Prevalence and Factors Associated with Insomnia among Primary-Care Patients**

[W HUANG](#)<sup>1</sup>, [RQQ LIM](#)<sup>1</sup>, [HM SHEN](#)<sup>2</sup>, [WE TANG](#)<sup>3</sup>, [TY WONG](#)<sup>4</sup>

<sup>1</sup>Yong Loo Lin School of Medicine, National University of Singapore, Singapore,

<sup>2</sup> Department of Epidemiology and Public Health, Yong Loo Lin School of Medicine, National University of Singapore, Singapore,

<sup>3</sup>NHG Polyclinics, 4Div of Family Medicine, University Medicine Cluster, NUH

**First / Presenting Author: Ms Huang Weiting**

### **BO-PC 02: Prevalence and Risk Factors for Myopia in an Elderly Asian Population - The Singapore Longitudinal Ageing Study**

[CS TAN](#)<sup>1</sup>, [YH CHAN](#)<sup>3</sup>, [TY WONG](#)<sup>3,4,5</sup>, [G GAZZARD](#)<sup>6</sup>, [M NITI](#)<sup>7</sup>, [TP NG](#)<sup>7</sup>, [SM SAW](#)<sup>4,8</sup>

<sup>1</sup> National Healthcare Group Eye Institute, Singapore,

<sup>2</sup> Ophthalmology, Tan Tock Seng Hospital, Singapore,

<sup>2</sup> Yong Loo Lin School of Medicine, National University of Singapore, Singapore,

<sup>3</sup> Singapore Eye Research Institute, Singapore,

<sup>4</sup> Centre for Eye Research Australia, University of Melbourne, Australia,

<sup>5</sup> Moorfields Eye Institute, United Kingdom,

<sup>6</sup> Psychological Medicine, Yong Loo Lin School of Medicine, National University of Singapore, Singapore,  
<sup>7</sup> Community, Occupational and Family Medicine, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

**First / Presenting Author: Dr Colin Tan**

**BO-PC 03: Colorectal Cancer Screening: Barriers and the Efficacy of Individual Education on its Adoption**  
ASC FOO<sup>1</sup>, ZP NG<sup>1</sup>, JJP THIA<sup>1</sup>, GCH KOH<sup>2</sup>, NP FONG<sup>2</sup>

<sup>1</sup>Yong Loo Lin School of Medicine, National University of Singapore,

<sup>2</sup>EPH, National University of Singapore

**First Author: Mr Aaron Foo Soong Chuan**  
**Presenting Author: Mr Joshua Thia Jin Ping**

**(E) Nursing**

**16 Oct 09 | Meeting Room 312 | 0730-0850 hours**

**BO-N 01: Use of Targeted Risk Factor Reduction Interventions to Reduce the Number of Falls in Acute Hospital – A Randomized Controlled Trial**

ENK ANG<sup>1</sup>, SZ MORDIFFI<sup>2</sup>, HB WONG<sup>3</sup>, K DEVI<sup>4</sup>, & D EVANS<sup>5</sup>

<sup>1</sup>National Cancer Institute Singapore, National University Hospital, Singapore,

<sup>2</sup>Nursing, National University Hospital, Singapore,

<sup>3</sup>Health Services Research & Evaluation Division, Ministry of Health, Singapore,

<sup>4</sup>Alice Lee Centre of Nursing Studies, Yong Loo Lin School of Medicine, National University of Singapore, Singapore,

<sup>5</sup>School of Nursing and Midwifery, University of South Australia, Adelaide, Australia

**First Author: Ms Ang Neo Kim Emily**  
**Presenting Author: Ms Siti Zubaidah Mordiffi**

**BO-N 02: Efficacy of Ketogenic Diet in Children**

L DONG<sup>1</sup>, CL Koh<sup>2</sup>, Peter HH WONG<sup>3</sup>, PS Low<sup>1</sup>, Stacey KH Tay<sup>1</sup>, HT ONG<sup>1</sup>

<sup>1</sup>University Children's Medical Institute,

<sup>2</sup>Dietetics Department,

<sup>3</sup>Nursing Department National University Hospital, Singapore

**First / Presenting Author: Ms Dong Liang**

**BO-N 03: Acute Management of Disturbed, Aggressive and Violent Behavior in Inpatient Psychiatric Setting – Evidence Based Project**

A GOVINDASAMY, SBC ONG, R DEV, B NAIR, SAMSURI BIN BUANG, HW TAN, AS GOH, AZIZ BIN AB HAMED  
Nursing, Institute of Mental Health, Singapore

**First / Presenting Author: Mr Arumugum Govindasamy**

**(F) Quality, Health Services Research**

**16 Oct 09 | Meeting Room 313 | 0730-0910 hours**

**BO-QHSR 01: Is the Current Treatment of Patients with Hypertension and Multiple Coronary Artery Disease Risk Factors Optimal among Malays in Singapore?**

C KURUMBAN<sup>1</sup>, M TAN<sup>2</sup>, TY WONG<sup>3,4</sup>, ES TAI<sup>1</sup>

<sup>1</sup> Medicine, National University Hospital, Singapore

<sup>2</sup> Singapore Health Services, Singapore

<sup>3</sup> Center for Eye Research Australia, University of Melbourne, Australia

<sup>4</sup> Singapore Eye Research Institute, National University of Singapore, Singapore

**First / Presenting Author: Dr Kurumbian Chandran**

**BO-QHSR 02: Infection Control Response To The Threat Of An Epidemic Respiratory Virus? A Cost-Benefit Analysis**

[YY DAN](#)<sup>1</sup>, [PA TAMBYAH](#)<sup>1</sup>, [J SIM](#)<sup>2</sup>, [J LIM](#)<sup>3</sup>, [LY HSU](#)<sup>1</sup>, [WL CHOW](#)<sup>3</sup>, [DA FISHER](#)<sup>1</sup>, [YS WONG](#)<sup>3</sup>, [KY HO](#)<sup>1</sup>

<sup>1</sup> Department of Medicine, Yong Loo Lin School of Medicine, National University of Singapore, National University Health System

<sup>2</sup> National University Hospital, National University Health System

<sup>3</sup> Singapore General Hospital

**First / Presenting Author: Dr Dan Yock Young**

**BO-QHSR 03: Epidemiology of Bacteremia among Adult Febrile Neutropenia Patients in National University Hospital**

[JJIN](#)<sup>1</sup>, [Y DING](#)<sup>2</sup>, [YM LEE](#)<sup>3</sup>, [LP KOH](#)<sup>4</sup>, [R LIM](#)<sup>4</sup>, [LY HSU](#)<sup>2</sup>

<sup>1</sup> Office of Biomedical Research, National University Hospital,

<sup>2</sup> Medicine, National University Hospital,

<sup>3</sup> Nursing, National University Hospital,

<sup>4</sup> Haematology Oncology, National University Hospital, Singapore

**First / Presenting Author: Ms Jin Jing**

**BO-QHSR 04: Economic Analysis of Pandemic Influenza Vaccination Strategies in Singapore**

[VJ LEE](#)<sup>1,2,3</sup>, [MY TOK](#)<sup>1</sup>, [VT CHOW](#)<sup>4</sup>, [KH PHUA](#)<sup>5</sup>, [EE OOI](#)<sup>6</sup>, [PA TAMBYAH](#)<sup>7</sup>, [MI CHEN](#)<sup>2</sup>

<sup>1</sup> Centre for Health Services Research, National University of Singapore,

<sup>2</sup> Clinical Epidemiology, Tan Tock Seng Hospital,

<sup>3</sup> Ministry of Defence, Singapore,

<sup>4</sup> Department of Microbiology, National University of Singapore,

<sup>5</sup> Lee Kuan Yew School of Public Policy, Singapore,

<sup>6</sup> Duke-NUS Graduate Medical School, Singapore,

<sup>7</sup> Department of Medicine, National University of Singapore

**First / Presenting Author: Dr Vernon Lee**

**(G) Surgical Disciplines**

**16 Oct 09 | Meeting Room 314 | 0730-0850 hours**

**BO-S 01: Pneumatic Retinopexy – A Minimally Invasive Treatment For Retinal Detachment**

[WK NGO](#)<sup>1,2</sup>, [CSH TAN](#)<sup>1,3</sup>, [K WEE](#)<sup>1,3</sup>, [TH LIM](#)<sup>1,3</sup>

<sup>1</sup> National Healthcare Group Eye Institute, Singapore,

<sup>2</sup> Medicine, Tan Tock Seng Hospital, Singapore,

<sup>3</sup> Ophthalmology, Tan Tock Seng Hospital, Singapore

**First / Presenting Author: Dr Ngo Wei Kiong**

**BO-S 02: Bilateral Sagittal Split Osteotomies Versus Mandibular Distraction Osteogenesis: Which is Better?**

[A OW](#)<sup>1</sup>, [LK CHEUNG](#)<sup>2</sup>

<sup>1</sup> Oral and maxillofacial Surgery, National University of Singapore, Singapore,

<sup>2</sup> Oral and Maxillofacial Surgery, The University of Hong Kong, Hong Kong SAR, China

**First / Presenting Author: Dr Andrew Ow**

**BO-S 03: Early Return of Potency and Orgasmic Function Following Aggressive Bilateral Intrafascial Nerve-Sparing during Athermal Robotic Radical Prostatectomy: A Prospective Cohort Study**

[GY TAN](#)<sup>1,2</sup>, [PJ DORSEY, JR](#)<sup>1</sup>, [ND PATEL](#), [AK TEWARI](#)<sup>1</sup>

<sup>1</sup> James Buchanan Brady Foundation Department of Urology, Weill Medical College of Cornell University, New York, USA,

<sup>2</sup> Department of Urology, Tan Tock Seng Hospital, Singapore

**First / Presenting Author: Dr Gerald Tan**

# Best Poster Presentations - Competition Sessions

\* The following poster presentations are closed sessions

## (A) Allied Health

16 Oct 09 | Concourse (Trade Exhibition) | 0850-0940 hours

### BP-AH 01: Psychometrically Equivalent Bisyllabic Word List for Speech Recognition Testing in Singaporean Mandarin

JC LEE<sup>1</sup>, MS YAP<sup>1</sup>

<sup>1</sup>Biomedical Informatics and Engineering, Temasek Polytechnic, Singapore

**First / First Author: Mr Gary Lee Jek Chong**

### BP-AH 02: Retrospective Analysis of Cytogenetic Abnormalities in Chinese, Malay and Indian patients with Multiple Myeloma in Singapore

ZH LIM<sup>1</sup>, K SOORIAMURTHY<sup>1</sup>, SP CHUA<sup>2</sup>, HB MA<sup>2</sup>, CLM CHUA<sup>2</sup>, WJ CHNG<sup>3</sup>, L GOLE<sup>2</sup>

<sup>1</sup>NgeeAnn Polytechnic, Department of Laboratory Medicine, National University Hospital,

<sup>2</sup>Department of Laboratory Medicine, Cytogenetics Laboratory, National University Hospital,

<sup>3</sup>Department of Haematology-Oncology, National University Hospital, Singapore

**First / Presenting Author: Ms Lim Zihui**

### BP-AH 03: The Unmet Needs of Mentally Ill Inmates

BMS SHAZANA<sup>1</sup>, H HE<sup>1</sup>, KGW KOH<sup>2</sup>, M. SUBRAMANIAM, SA CHONG<sup>1</sup>

<sup>1</sup>Research Division, Institute of Mental Health/ Woodbridge Hospital, Singapore,

<sup>2</sup>General and Forensic Psychiatry, Institute of Mental Health/ Woodbridge Hospital, Singapore

**First / Presenting Author: Ms Shazana Binte Mohamed Shahwan**

## (B) Basic Science

16 Oct 09 | Concourse (Trade Exhibition) | 0850-0950 hours

### BP-BS 01: Global Micro RNA and Messenger RNA Changes in Pterygium

SL CHEN<sup>2</sup>, E TAI<sup>2</sup>, TTL WONG<sup>1, 2</sup>, J CHEW<sup>2</sup>, L TONG<sup>1, 2</sup>

<sup>1</sup>Singapore National Eye Center,

<sup>2</sup>Wound healing and ocular inflammation Group, Singapore Eye Research Institute, Singapore

**First / Presenting Author: Ms Chen Silin**

### BP-BS 02: Association between in Vitro Cord Blood Mononuclear Cytokine Responses and Infants with Eczema and Viral Induced Wheezing

PL QUAH, CH HUANG, IC KUO, LPC SHEK, M AW, KY CHUA, BW LEE.

Dept of Paediatrics, Yong Loo Lin School of Medicine National University of Singapore,

**First / Presenting Author: Ms Quah Phaik Ling**

### BP-BS 03: Association of Cytotoxic T-Lymphocyte Antigen-4 Gene Polymorphisms with Increased Likelihood of Recurrence in Superficial Bladder Cancer

WJ WONG<sup>1</sup>, N KESAVAN, YH CHAN<sup>2</sup>, K ESUVARANATHAN<sup>3,4</sup>, R MAHENDRAN<sup>4</sup>

<sup>1</sup>Yong Loo Lin School of Medicine, National University of Singapore,

<sup>2</sup>National University of Singapore,

<sup>3</sup>Department of Urology, National University Hospital,

<sup>4</sup>Department of Surgery, National University of Singapore, Singapore

**First / Presenting Author: Mr Wong Wei Jiat Allen**

**BP-BS 04: Quantitative Proteomic Analysis of the Effect of Chronic Topical Anti-glaucoma Medications on Tear Protein Profile**

[L ZHOU](#)<sup>1</sup>, [SJ YU](#)<sup>2</sup>, [SK KOH](#)<sup>1</sup>, [T AUNG](#)<sup>3</sup>, [RW BEUERMAN](#)<sup>1</sup>, [TT WONG](#)<sup>2,3</sup>

<sup>1</sup>Proteomics Group, Singapore Eye Research Institute, Singapore,

<sup>2</sup>Ocular Wound Healing Research Group, Singapore Eye Research Institute, Singapore,

<sup>3</sup>Department of Glaucoma, Singapore National Eye Centre, Singapore

**First / Presenting Author: Dr Zhou Lei**

**(C) Medical Disciplines**

**16 Oct 09 | Concourse (Trade Exhibition) | 0850-0940 hours**

**BP-M 01: Transcranial Direct Current Stimulation Enhances the Effect of Upper Limb Functional Training in Neurorehabilitation**

[E CHEW](#)<sup>1</sup>, [YC CHAN](#)<sup>1</sup>, [P BONATO](#)<sup>2</sup>, [F FREGNI](#)<sup>3</sup>

<sup>1</sup>Division of Neurology, University Medicine Cluster, National University Hospital, Singapore,

<sup>2</sup>Department of Physical Medicine & Rehabilitation, Spaulding Rehabilitation Hospital, Harvard Medical School, USA,

<sup>3</sup>Department of Neurology, Beth Israel Deaconess Medical Center, Harvard Medical School, USA

**First / Presenting Author: Dr Effie Chew**

**BP-M 02: New-Onset Diabetes after Transplantation, Cardiovascular Outcomes and Renal Outcomes amongst Tacrolimus-Treated Renal Transplant Recipients**

[F KHAWAJA](#), [SP KHOO](#), [A VATHSALA](#)

Division of Nephrology, Department of Medicine, National University Hospital, Singapore

**First / Presenting Author: Dr Fareed Khawaja**

**BP-M 03: Dermatan Sulphate Modulates Chemosensitivity of Breast Cancer Cells to Cisplatin**

[YP SEN](#), [BH BAY](#), [GW YIP](#)

Department of Anatomy, Yong Loo Lin School of Medicine, National University of Singapore, National University Health System, Singapore

**First / Presenting Author: Ms Sen Yin Ping**

**(D) Primary Care**

**16 Oct 09 | Concourse (Trade Exhibition) | 0850-0940 hours**

**BP-PC 01: Prevalence and Factors of Functional Dependence in Community-Dwelling Elderly Persons in Singapore**

[SK CHEONG](#)<sup>1</sup>, [CW SIEW](#)<sup>2</sup>, [TY WONG](#)<sup>1</sup>, [HK HO](#)<sup>3</sup>

<sup>1</sup>Division of Family Medicine, Yong Loo Lin School of Medicine, University Medicine Cluster, Singapore,

<sup>2</sup>Department of Continuing and Community Care, Tan Tock Seng Hospital, Singapore,

<sup>3</sup>Ministry of Health, Singapore

**First / Presenting Author: Dr Cheong Seng Kwing**

**BP-PC 02: Determinants of Childhood Immunization in the Poorly Performing Lalmonirhat District in Bangladesh**

[KAMRAN MEHEDI](#)<sup>1</sup>, [A WILDER-SMITH](#)<sup>1</sup>, [MD SAMSUZZAMAN](#)<sup>2</sup>, [MOTIAR RAHMAN](#)<sup>3</sup>, [HM VERKOOIJEN](#)<sup>1</sup>

<sup>1</sup>Department of Epidemiology and Public Health, National University of Singapore,

<sup>2</sup>Medical Officer, Expanded Program on Immunization, Ministry of Health, Bangladesh

<sup>3</sup>Assistant Professor, Department of Community Medicine, Rangpur Medical College, Bangladesh

**First / Presenting Author: Dr Kamran Mehedi**

**BP-PC 03: Screening and Treatment of Depression for Diabetic Patients by Primary Care Physicians in Singapore**

[MPHS TOH<sup>1</sup>](#), [WE TANG<sup>1</sup>](#), [CYH TAN<sup>2</sup>](#)

<sup>1</sup> Clinical Services, National Healthcare Group Polyclinics, Singapore,

<sup>2</sup> Ang Mo Kio Polyclinic, National Healthcare Group Polyclinics, Singapore

**First / Presenting Author: Dr Matthias Paul Toh Han Sim**

**(E) Nursing**

**16 Oct 09 | Concourse (Trade Exhibition) | 0850-0940 hours**

**BP-N 01: Evaluation of Three Fall-Risk Assessment Tools in an Acute Care Setting**

[ENK ANG<sup>1</sup>](#), [SZ MORDIFFI<sup>2</sup>](#), [HB WONG<sup>3</sup>](#), [K DEVI<sup>4</sup>](#), & [D EVANS<sup>5</sup>](#)

<sup>1</sup>National Cancer Institute Singapore, National University Hospital, Singapore,

<sup>2</sup>Nursing, National University Hospital, Singapore,

<sup>3</sup>Health Services Research & Evaluation Division, Ministry of Health, Singapore,

<sup>4</sup>Alice Lee Centre of Nursing Studies, YongLooLinSchoolof Medicine, National University of Singapore, Singapore,

<sup>5</sup>School of Nursing and Midwifery, University of South Australia, Adelaide, Australia

**First Author: Ms Ang Neo Kim Emily**

**Presenting Author: Ms Siti Zubaidah Mordiffi**

**BP-N 02: Utilization of Dementia Daycare Services by Dementia Patients Attending a Tertiary Memory Clinic in Singapore**

[P ANTHONY<sup>1</sup>](#), [HC HAN<sup>1</sup>](#), [MS CHONG<sup>2</sup>](#)

<sup>1</sup>Nursing, Tan Tock Seng Hospital,

<sup>2</sup>Cognition & Memory Disorders Service, Department of Geriatric Medicine, Tan Tock Seng Hospital

**First / Presenting Author: Ms Philomena Anthony**

**BP-N 03: The Use of Glucometrics in Evaluating the Quality of Inpatient Glycemic Control**

[W CHUI<sup>1</sup>](#), [KP GOH<sup>2</sup>](#)

<sup>1</sup>Diabetes Centre, Department of Nursing, Alexandra Hospital, Singapore,

<sup>2</sup>Department of Medicine, Alexandra Hospital, Singapore

**First / Presenting Author: Ms Chui Kui Lin, Winnie**

**(F) Quality, Health Services Research**

**16 Oct 09 | Concourse (Trade Exhibition) | 0910-1000 hours**

**BP-QHSR 01: Self-monitoring of Blood Glucose in Type 2 Diabetes: A Systematic Review of Economic Evidence**

[R DE VERTEUIL](#), [WS TAN](#)

Health Services & Outcomes Research Department, National Healthcare Group, Singapore

**First / Presenting Author: Ms Robyn De Verteuil**

**BP-QHSR 02: Patients' Willingness to Pay at a Subsidised National Healthcare Group (NHG) Polyclinic**

[JAD MOLINA<sup>1</sup>](#), [JHL CHOO<sup>2</sup>](#), [CH HWANG<sup>2</sup>](#)

<sup>1</sup>Health Services & Outcomes Research, National Healthcare Group,

<sup>2</sup>Quality Management Office, National Healthcare Group Polyclinics, Singapore

**First / Presenting Author: Dr Joseph Antonio Molina**

**BP-QHSR 03: Site Analysis Using Geographical Information System for Identification of Services Gaps and Planning of Resources**

[LY WONG](#)<sup>1</sup>, [TS CHEAH](#)<sup>2</sup>, [CB TAN](#)<sup>3</sup>

<sup>1</sup>Health Services and Outcomes Research, National Healthcare Group, Singapore,

<sup>2</sup>National Healthcare Group Polyclinics, Singapore,

<sup>3</sup>SingHealth Polyclinics, Singapore

**First / Presenting Author: Ms Wong Lai Yin**

**(G) Surgical Disciplines**

**16 Oct 09 | Concourse (Trade Exhibition) | 0850-0940 hours**

**BP-S 01: Predictors of the Risk of Androgen-Independent Progression after Salvage Radical Prostatectomy for Locally Recurrent Prostate Cancer following Initial Radiation Therapy**

[E CHIONG](#)<sup>1,2</sup>, [N LONG](#)<sup>3</sup>, [D URBAUER](#)<sup>4</sup>, [CL WARNEKE](#)<sup>4</sup>, [LL PISTERS](#)<sup>3</sup>

<sup>1</sup>Surgery, National University of Singapore, Singapore,

<sup>2</sup>Urology, National University Hospital, Singapore,

<sup>3</sup>Urology, University of Texas M. D. Anderson Cancer Center, USA,

<sup>4</sup>Division of Quantitative Sciences, University of Texas M. D. Anderson Cancer Center, USA

**First / Presenting Author: Dr Edmund Chiong**

**BP-S 02: A Comparison of Emergency and Elective Inguinal Hernia Repair, Can They have Equally Good Outcome? – A Review of 300 patients**

[SS FONG](#), [TW TAN](#), [SY HO](#), [Z SU](#), [KH LIM](#), [CK HO](#)

Department of General Surgery, Tan Tock Seng Hospital, Singapore

**First / Presenting Author: Dr Fong Sau Shung**

**BP-S 03: External Ventricular Drain Infections: Successful Implementation of Strategies to Reduce Infection Rates**

[SW LOW](#), [TT YEO](#), [N CHOU](#)

Division of Neurosurgery, National University Hospital, Singapore

**First / Presenting Author: Dr Low Shiong Wen**