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Current Position:

Senior Consultant, KK Women's and Children's Hospital, Singapore
Assistant Professor, Duke-NUS Medical, Singapore
Senior Clinical Lecturer, Yong Loo Lin School of Medicine

Academic qualifications (Indicate institution's name and year degree awarded)

Masters of Clinical Investigation, National University of Singapore: 2014
MRCPCH, Royal College of Paediatrics and Child Health, UK: 2005
MBBS, National University of Singapore: 2001

Research Interest

Pediatric critical care epidemiology, Pediatric acute respiratory distress syndrome, severe sepsis and septic shock and nutrition in critically ill children

Publications

1. Wong JJ, Phuc PH, Phumeetham S, Ong JSM, Chor YK, Qian S, Samransamruajkit R, Anantasit N, Gan CS, Feng X, Sultana R, Loh TF, **Lee JH**, for the Pediatric Acute & Critical care Medicine Asian Network (PACCMAN). Risk Stratification in Pediatric Acute Respiratory Distress Syndrome: A Multicenter Study. *Critical Care Medicine* 2017 Nov;45(11):1820-1828 IF 7.050
2. Gan CS, Wong JJ, Samransamruajkit R, Chuah SL, Chor YK, Qian S, Anantasit N, Feng X, Ong JSM, Phuc PH, Phumeetham S, Sultana R, Loh TF, Lum LCS, **Lee JH**; for the Pediatric Acute & Critical care Medicine Asian Network (PACCMAN). Differences Between Pulmonary and Extrapulmonary Pediatric Acute Respiratory Distress Syndrome: A Multicenter Analysis. *Pediatric Critical Care Medicine* 2019 IF: 3.495
3. **Lee JH**, Chan YH, Lai OF, Puthuchery J. Vasopressin and copeptin levels in children with sepsis and septic shock. *Intensive Care Medicine* 2013;39(4):747-753 IF: 12.015
4. **Lee JH**, Smith PB, Quek BH, Laughon MM, Clark RH, Hornik CP. Risk Factors and In-Hospital Outcomes Following Tracheostomy in Infants. *The Journal of Pediatrics* 2016 Mar 1. pii: S0022-3476(16)00182-7. IF: 3.87
5. **Lee JH**, Greenberg R, Quek BH, Smith PB, Laughon MM, Clark RH, Hornik CP. Association between early echocardiography, patent ductus arteriosus therapy, and outcomes in very low birth weight infants. *Cardiology in the Young* 2017 Nov;27(9):1732-1739
6. **Lee JH**, Markert ML, Hornik CP, McCarthy EA, Gupton SE, Cheifetz IM, Turner DA. Clinical course and outcome predictors of critically ill infants with complete DiGeorge anomaly following thymus transplantation. *Pediatric Critical Care Medicine* 2014 Sep;15(7):e321-6. IF: 3.495
7. **Lee JH**, Hornik CP, Benjamin D Jr, Herring AH, Clark RH, Cohen-Wolkowicz, Smith PB. Risk factors for invasive candidiasis in infants > 1500 g birth weight. *Pediatric Infectious Disease Journal* 2013;32(3):222-226 IF 2.48
8. Wong JM, Han WM, Sultana R, Loh TF, **Lee JH**. Nutrition Delivery Impacts Outcomes in Pediatric Acute Respiratory Distress Syndrome. *Journal of Parenteral and Enteral Nutrition* 2016 Mar 9 [Epub ahead of print] IF: 4.220
9. Wong JJM, Loh TF, Testoni D, Yeo JG, Mok YH, **Lee JH**. Epidemiology of Pediatric Acute Respiratory Distress Syndrome in Singapore: Risk Factors and Predictive Respiratory Indices for Mortality. *Frontiers in Pediatrics* 2014 Jul 25;2:78 IF 2.170
10. **Lee JH**, Turner DA, Kamat P, Nett S, Shults J, Nadkarni VM, Nishisaki A. The number of tracheal intubation attempts matters! A prospective multi-institutional pediatric observational study. *BMC Pediatrics* 2016; 16:58 IF: 2.516

11. Chong SL, Teoh OH, Nadkarni N, Yeo JG, Lwin Z, Ong G, **Lee JH**. The Modified Respiratory Index Score (RIS) Guides Resource Allocation in Acute Bronchiolitis. *Pediatric Pulmonology* 2017 Jul;52(7):954-961 IF 2.75
12. Koh JWJC, Wong JJ, Wong P, Sultana R, Mok YH, **Lee JH**. Risk factors of poor outcome in children with severe pneumonia. *Pediatric Pulmonology* 2017 Aug;52(8):1076-1084.758 IF 2.758

Relevant patents

Nil

Scientific Awards

1. Singhealth Publish! Award 2017
2. AM-ETHOS Medical Student Fellowship Mentorship Award 2017
3. NUS Special Recognition Award 2016
4. NUS Dean's Award for Teaching Excellence Year 2014/15
5. Young Investigator Award, 12th Congress of World Federation of Intensive and Critical Care Societies 2015
6. Singhealth Publish! Award 2014
7. Healthcare Manpower Development Plan (HMDP) Award in Paediatric Critical Care in Duke University Medical Centre 2011

Current and previous support from NMRC or other sources

1. Duke/Duke-NUS Collaboration Pilot Project Grant SGD\$100,000 (October 2017 – September 2019): Principal investigator
Association between nutritional adequacy, muscle wasting and functional outcomes in children supported on extracorporeal membrane oxygenation: A dual-center cohort study
2. Singhealth Foundation Grant SGD\$30,000 (June 2017 – May 2019): Co-investigator
Temporal relationship of serum and urinary biomarkers of acute kidney injury in children undergoing cardiopulmonary bypass
3. 3rd Paediatrics Academic Clinical Program Young Researcher Pilot Grant SGD\$9,000 (January 2015 – January 2017): Principal investigator
Validation of pediatric index of mortality 3 (PIM3) and pediatric logistic organ dysfunction 2 (PELOD2) scores in a single pediatric intensive care unit in Singapore.
4. 3rd Paediatric Academic Clinical Program Young Researcher Grant SGD\$25,000 (January 2015 – January 2017): Co-investigator
Which Child with Bronchiolitis can the ED physician safely discharge? The BRISS study
5. National Research Foundation (NRF) Grant for Masters in Clinical Investigation SGD\$20,000 (August 2014- August 2016) Co-investigator
Nasal biomarkers to predict the severity of Bronchiolitis
6. Covidien Investigator Sponsored Research Grant USD\$ 64,098 (January 2015 – December 2015): Principal Investigator
Changes in cerebral and splanchnic near infrared spectroscopy monitoring before and after surgery for cyanotic heart disease.
7. KKH Health Endowment Research Fund SGD\$9,290 (September 2014 – September 2016): Co-investigator
Functional outcomes in children post critical illness
8. National Research Foundation (NRF) Scholarship for Masters in Clinical Investigation, National University of Singapore. SGD\$25,000 (August 2012 – August 2014)" Principal Investigator
Oxidative Stress in Critically Ill Children with Severe Sepsis
9. Khoo's Pilot Award \$50,000 (April 2013 – March 2015)" Principal Investigator
Extent and Magnitude of Energy Imbalance in Protocol-driven Enteral Feeding in Critically Ill Children
10. NMRC New Investigator Grant \$155,000 (June 2008- June 2011): Principal Investigator
Serial Vasopressin and Copeptin Levels in Children with Sepsis and Septic Shock

