

PACCMAN



NEWSLETTER

2021 Edition Issue 2



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Dr Olive Lee Pei Ee, Sarawak General Hospital, Malaysia

Dr Louise Ngu, Sarawak General Hospital, Malaysia

Dr Anusha Devi Yogiswaran, Universiti Malaysia Medical Centre, Malaysia

Dr Yasser Mohammed Kazzaz, King Abdullah Specialized Children's Hospital,
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Dr Cristelle Chow, KK Women's and Children's Hospital, Singapore

Dr Gene Ong, KK Women's and Children's Hospital, Singapore

Dr Jarin Vaewpanich, Ramathibodi Hospital, Thailand

Dr Chanapai Chaiyakulsil, Thammasat University Hospital, Thailand

**2021 New
Members**

In this issue ...

- New members
- PACCMAN publications
- Studies update
- Events



2021 Publications ...



Journal of Pediatric Intensive Care. Published online: 2021-01-19

Changes Adopted in Asian Pediatric Hospitals during the COVID-19 Pandemic: A Report from the Pediatric Acute and Critical Care COVID-19 Registry of Asia

Judith J. M. Wong, Qalab Abbas, Nattachai Anantasit, Naoki Shimizu, Ririe F. Malisie, Hongxing Dang, Feng Xu, Jacqueline S. M. Ong, Pei Chuen Lee, Osamu Saito, Kah Min Pon, Takanari Ikeyama, Muralidharan Jayashree, Rujipat Samransamruajkit, Yibing Cheng, Felix Liauw, Hiroshi Kurosawa, Audrey A. N. Diaz, Chin Seng Gan, Furong Zhang, Jan Hau Lee, Pediatric Acute Critical Care Medicine Asian Network

Pediatr Crit Care Med 2021 Mar 1.

doi: 10.1097/PCC.0000000000002680. Online ahead of print

Pediatric Severe Sepsis and Shock in Three Asian Countries: A Retrospective Study of Outcomes in Nine PICUs

Rujipat Samransamruajkit, Judith Ju-Ming Wong, Chutima Smathakane, Nattachai Anantasit, Kanokkarn Sunkonkit, Jacqueline Ong, Olive Pei Ee Lee, Pei-Chuen Lee, Suwannee Phumeetham, Rehena Sultana, Usa Lapwanich, Jan Hau Lee, Lalida Kongkiattikul, Pediatric Sepsis Asian Collaboration (PEDSAC) Investigators and on behalf of the Pediatric Acute and Critical Care Medicine Asian Network (PACCMAN)

Neurosurgery 2021 Apr 29;nyab157. doi: 10.1093/neuros/nyab157. Online ahead of print.

Early Coagulopathy in Pediatric Traumatic Brain Injury: A Pediatric Acute and Critical Care Medicine Asian Network (PACCMAN) Retrospective Study

Shu-Ling Chong, Gene Yong-Kwang Ong, Charles Qishi Zheng, Hongxing Dang, Meixiu Ming, Maznisah Mahmood, Lawrence Chi Ngong Chan, Soo Lin Chuah, Olive Pei Ee Lee, Suyun Qian, Lijia Fan, Yoshihiko Konoike, Jan Hau Lee



Am J Trop Med Hyg. 2021 Jun 15;tpmd210299.

doi: 10.4269/ajtmh.21-0299. Online ahead of print.

Comparative Analysis of Pediatric COVID-19 Infection in Southeast Asia, South Asia, Japan, and China

Judith Ju Ming Wong, Qalab Abbas, Soo Lin Chuah, Ririe Fachrina Malisie, Kah Min Pon, Tomohiro Katsuta, Hongxing Dang, Pei Chuen Lee, Muralidharan Jayashree, Rehena Sultana, Quratulain Maha, Chin Seng Gan, Naoki Shimizu, Feng Xu, Swee Fong Tang, Luming Shi, Jan Hau Lee, Koh Cheng Thoon, Chee Fu Yung, PACCOVRA Investigators of the PACCMAN Research Group

J Neurosurg Pediatr. 2021 Oct 29;1-7. *doi: 10.3171/2021.8.PEDS21281.*

Early Posttraumatic Seizures in Pediatric Traumatic Brain Injury: A Multicenter Analysis.

Shu-Ling Chong, Suyun Qian, Sarah Hui Wen Yao, John Carson Allen, Hongxing Dang, Lawrence C N Chan, Meixiu Ming, Chin Seng Gan, Jacqueline S M Ong, Hiroshi Kurosawa, Jan Hau Lee.



Study Updates 1 ...



Primary Paper

Early coagulopathy in pediatric traumatic brain injury: A Pediatric Acute and Critical Care Medicine Asian Network (PACCMAN) retrospective study

Study lead: Dr Chong Shu Ling, Department of Emergency Medicine, KK Women's and Children's Hospital

Secondary Paper

Early Posttraumatic Seizures in Pediatric Traumatic Brain Injury: A Multicenter Analysis.

Study lead: Dr Chong Shu Ling, Department of Emergency Medicine, KK Women's and Children's Hospital



- 1. Primary Paper Published in Neurosurgery**
- 2. Secondary Paper Published in J Neurosurg Pediatr**

Secondary analysis using the retrospective data:

1. Metabolic Disturbances in TBI
 - Data cleaning and analysis in progress

Study Updates 2 ...



Prospective pTBI cohort: Does 3% hypertonic saline decrease mortality and improve long-term neurological outcomes among children with traumatic brain injury?

Study lead: Dr Chong Shu Ling, Department of Emergency Medicine, KK Women's and Children's Hospital

PACCMAN and LARed recruitment summary as of 13 December 2021 --

No.	Country	Recruited
1	China, Beijing (Beijing Children's Hospital)	50
2	China, Chongqing (Children's Hospital of Chongqing Medical University)	32
3	Singapore, KK Women's and Children's Hospital	26
4	Malaysia, KL (University Malay Medical Centre)	23
5	Pakistan, Karachi (Aga Khan University)	24
6	China, Shanghai (Children's Hospital of Fudan University)	10
7	Singapore, National University Hospital	10
8	Thailand, Bangkok (Ramathibodi Hospital)	4
9	China, Shenyang (Shengjing hospital, China Medical University)	3
10	Malaysia, Sarawak (Sarawak General Hospital)	3
11	Malaysia, KL (Universiti Kebangsaan Malaysia Medical Centre)	3
12	Japan, Kobe (Kobe Children's Hospital)	2
13	Saudi Arabia, Riyadh (King Abdullah International Medical Research Centre)	5
14	Paraguay, Trauma Hospital in Asunción	7
15	Colombia, Clinical UROS	9
16	Colombia, Hospital General de Medellín	4
17	Argentina, Hospital de Niños Sor María Ludovica de La Plata	6
18	Colombia, Hospital Infantil Los Angeles	15
19	Bolivia, Hospital del Niño Manuel Ascencio Villarroel	11
20	Mexico, Hospital Juarez De Mexico	3
21	Mexico, Hospital Civil de Guadalajara	12
22	Argentina, Hospital de Pediatría Garrahan	3
23	Costa Rica, Hospital Nacional de Niños	5
24	Argentina, Hospital de Niños Ricardo Güiterre	2
25	Spain, Hospital Universitario Virgen de la Arrixaca	6
26	Peru, Hospital Nacional Hipólito Unanue	12
	Total	290

Study Updates 3 ...



Pediatric Acute Respiratory Distress Syndrome: a PROspective multicentre study in ASIA (PARDSProAsia)

Study lead: Dr Judith Wong, KK Women's and Children's Hospital, Singapore

ABSTRACT

Reduced morbidity and mortality associated with lung protective mechanical ventilation (LPMV) strategies have not been demonstrated empirically in pediatric acute respiratory distress syndrome (PARDS). Our pilot single-center study conducted over 2018-2019, showed a reduction of 60-day mortality [10/63 (15.9%) vs. 18/69 (26.1%); $p=0.197$] with the use of an LPMV protocol in children with PARDS. Based on this pilot data, we undertake an adequately powered clinical trial to test the hypothesis “Does LPMV deployed in the form of a pragmatic ventilation protocol in the first 7 days of PARDS reduce mortality?”.

This is a before-and-after comparison design study including children admitted to the PICU with PARDS defined by Pediatric Acute Lung Injury Consensus Conference (PALICC) definition. The LPMV protocol (intervention arm) includes limits on peak pressures, tidal volumes, positive end expiratory pressure to fraction of inspired oxygen combinations, permissive hypercapnia and permissive hypoxia. Standard care (control arm) will consist of a cohort of patients with PARDS preceding the implementation of the LPMV protocol. Data on the five protocol elements will be compared between the intervention and control groups, and the impact of the LPMV protocol on mortality will be evaluated.

This before-and-after study design will address the hypothesis feasibly without incurring the excessive costs and time required for a multicentre randomized controlled trial and will still provide a strong level of evidence. The outcome of this study will inform the international PICU community on mechanical ventilation best practices.

Recruitment closing soon...

Site	P1 Enrolled	P1 Completed	P1 Pending	P2 Enrolled	P2 Completed	P2 Pending
Guangzhou Women and Children's Medical Center	20	16	4			
Sarawak General Hospital	31	31				
Harapan Kita Children and Women Hospital	18	18				
Hong Kong Children's Hospital	3	3				
Shengjing Hospital of China Medical University	8	8				
Sanglah Hospital Denpasar	60	22	38			
<i>Sultanah Aminah Hospital</i>	16	16				
Ramathibodi Hospital	20	18	2			
Children's Hospital of Fudan University	10	8				
PGIMER, Chandigarh	19	19				
Hospital Tunku Azizah Kuala Lumpur	11	11				
Hospital Tengku Ampuan Rahimah						
National Hospital of Pediatrics Vietnam	45	41	4	IRB pending		
Children's Hospital of Fudan University	7	7		IRB pending		
Penang General Hospital	9	8	1	IRB pending		
Chongqing Hospital	96	60	36	14	14	
KK Women's and Children's Hospital	11	11		117	117	
National University Hospital, Singapore	7	7		5	5	
Universiti Kebangsaan Malaysia	4	4		0	0	
University Malaya Medical Centre	24	24		14	14	
Kobe Children's Hospital	5	5		5	2	3
Total	424	337	85	155	152	

P1-phase 1, P2-phase 2

Aim 360

Study Updates 4 ...



Severe Pneumonia in Children (S-PIC) Study: A Comparative Effectiveness Study of Children with Severe Pneumonia in Asia

Study lead: Dr Lee Jan Hau, Children's Intensive Care Unit, KK Women's and Children's Hospital, Singapore

ABSTRACT: Severe pneumonia is a leading cause of mortality and morbidity in children worldwide. Mortality rates from pediatric severe pneumonia are three times higher in South East Asia compared to the Western hemisphere. The lack of description of epidemiology, current management strategies and outcomes of children with severe pneumonia admitted to pediatric intensive care units (PICUs) in Asia is a barrier to improving paediatric critical care in the region. The lack of a sustainable paediatric critical care network in Asia makes multinational PICU studies challenging.

AIM: To estimate the burden of paediatric patients admitted to Asian PACCMAN PICUs due to severe pneumonia that develop pediatric acute respiratory distress syndrome; To characterize etiologies, identify risk factors associated with morbidity and mortality, and develop prognostic prediction models.



Sites recruitment are still open. Interested members please contact Dr Lee Jan Hau, lee.jan.hau@singhealth.com.sg or Patricia Tay, patricia.tay@scri.cris.sg for more study details.



Recruitment Summary

No.	Site	Country	Total no. of recruitment as reported by site	Total no. of data entered in REDcap (as of 14 Dec 2021)
1	KK Women and Children Hospital	Singapore	41 (as of 30 Nov 2021)	40
2	National University Hospital	Singapore	13 (as of 31 Oct 2021)	5
3	National Hospital of Paediatrics	Vietnam	147 (as of 31 Oct 2021)	69
4	University Malaya Medical Centre	Malaysia	50 (as of 30 Nov 2021)	52
5	Universiti Kebangsaan Malaysia Medical Centre	Malaysia	36 (as of 30 Sep 2021)	38
6	Children's Hospital of Chongqing Medical University	China	99 (as of 31 Oct 2021)	84
7	Children's Hospital of Fudan University	China	149 (as of 31 Aug 2021)	50
8	Shengjing Hospital of China Medical University	China	52 (as of 30 Nov 2021)	48
9	Post Graduate Institute of Medical Education and Research	India	47 (as of 30 Nov 2021)	44
10	Aga Khan University Hospital	Pakistan	87 (as of 30 Jun 2021)	107
11	Hong Kong Children's Hospital	Hong Kong	0 (as of 30 Nov 2021)	0
12	Harapan Kita Children and Women Hospital	Indonesia	180 (as of 30 Nov 2021)	11
13	King Chulalongkorn Memorial Hospital	Thailand	26 (as of 31 Aug 2021)	19
14	Chonnam National University Children's Hospital	South Korea	5 (as of 31 Oct 2021)	5
		Grand Total	932	572

Study Updates 5 ...



Pediatric Acute and Critical Care COVID-19 Registry of Asia (PACCOVRA)

Study lead: Dr Judith Wong, KK Women's and Children's Hospital, Singapore

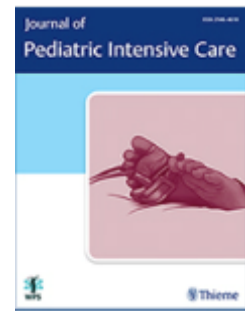
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Comparative Analysis of Pediatric COVID-19 Infection in Southeast Asia, South Asia, Japan, and China

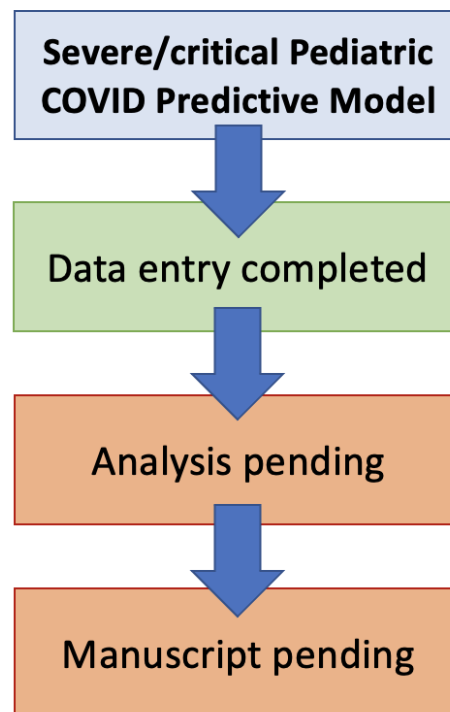
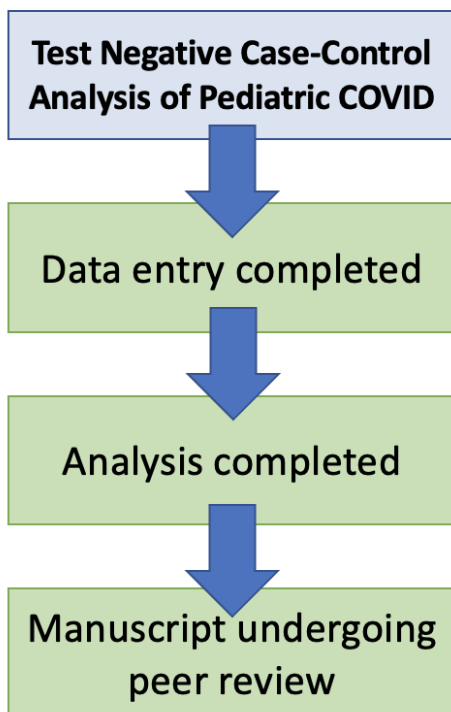
Judith Ju Ming Wong,^{1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405,406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441,442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513,514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657,658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675,676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693,694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711,712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729,730,731,732,733,734,735,736,737,738,739,740,741,742,743,744,745,746,747,748,749,750,751,752,753,754,755,756,757,758,759,760,761,762,763,764,765,766,767,768,769,770,771,772,773,774,775,776,777,778,779,780,781,782,783,784,785,786,787,788,789,790,791,792,793,794,795,796,797,798,799,800,801,802,803,804,805,806,807,808,809,810,811,812,813,814,815,816,817,818,819,820,821,822,823,824,825,826,827,828,829,830,831,832,833,834,835,836,837,838,839,840,841,842,843,844,845,846,847,848,849,850,851,852,853,854,855,856,857,858,859,860,861,862,863,864,865,866,867,868,869,870,871,872,873,874,875,876,877,878,879,880,881,882,883,884,885,886,887,888,889,890,891,892,893,894,895,896,897,898,899,900,901,902,903,904,905,906,907,908,909,910,911,912,913,914,915,916,917,918,919,920,921,922,923,924,925,926,927,928,929,930,931,932,933,934,935,936,937,938,939,940,941,942,943,944,945,946,947,948,949,950,951,952,953,954,955,956,957,958,959,960,961,962,963,964,965,966,967,968,969,970,971,972,973,974,975,976,977,978,979,980,981,982,983,984,985,986,987,988,989,990,991,992,993,994,995,996,997,998,999,1000}



Changes Adopted in Asian Pediatric Hospitals during the COVID-19 Pandemic: A Report from the Pediatric Acute and Critical Care COVID-19 Registry of Asia

Judith J. M. Wong^{1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405,406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441,442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513,514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657,658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675,676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693,694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711,712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729,730,731,732,733,734,735,736,737,738,739,740,741,742,743,744,745,746,747,748,749,750,751,752,753,754,755,756,757,758,759,760,761,762,763,764,765,766,767,768,769,770,771,772,773,774,775,776,777,778,779,780,781,782,783,784,785,786,787,788,789,790,791,792,793,794,795,796,797,798,799,800,801,802,803,804,805,806,807,808,809,810,811,812,813,814,815,816,817,818,819,820,821,822,823,824,825,826,827,828,829,830,831,832,833,834,835,836,837,838,839,840,841,842,843,844,845,846,847,848,849,850,851,852,853,854,855,856,857,858,859,860,861,862,863,864,865,866,867,868,869,870,871,872,873,874,875,876,877,878,879,880,881,882,883,884,885,886,887,888,889,890,891,892,893,894,895,896,897,898,899,900,901,902,903,904,905,906,907,908,909,910,911,912,913,914,915,916,917,918,919,920,921,922,923,924,925,926,927,928,929,930,931,932,933,934,935,936,937,938,939,940,941,942,943,944,945,946,947,948,949,950,951,952,953,954,955,956,957,958,959,960,961,962,963,964,965,966,967,968,969,970,971,972,973,974,975,976,977,978,979,980,981,982,983,984,985,986,987,988,989,990,991,992,993,994,995,996,997,998,999,1000}

Upcoming publications:



Study updates 6 ...



Delphi Study to Establish Paediatric Critical Care Nursing Research Priorities in Asian Countries

Study lead: Nurse Poh Pei Fen

Background: Studies showed that nursing care improves patient outcomes, however there are gaps between translation of evidence into clinical practice. Such studies had been done in the USA, Australia and European countries. However, due to cultural, social and economic differences between the Western countries and Asia, the findings from the Western studies may not apply in Asia. Thus a need for the study to be done in an Asia context. This study aims to identify priorities in nursing research as defined by paediatric intensive care nurses across Asia

Summary: Recruitment from 8 Asian countries

Country	Centre	Round 1 (n=146)	Round 2 (n=89)	Round 3 (n=95)
China	7	57	42	45 (47%)
India	1	3	2	1 (1%)
Indonesia	3	15	7	4 (4.2%)
Japan	2	20	6	6 (6.3%)
Malaysia	4	24	14	14 (14.7%)
Pakistan	1	1	1	3 (3.2%)
Singapore	2	17	10	13 (13.7%)
Vietnam	1	9	7	9 (9.5%)

Summary: Top PIC nursing research statements via Adelphi method

No	Research Statement	Mean (SD)
1	Recognizing early deterioration of children and implementing effective supportive care	5.58 (0.61)
2	Improving outcomes of cardiopulmonary resuscitation	5.57 (0.66)
3	Implementing and testing nursing care interventions to optimize respiratory outcomes in mechanically ventilated children	5.48 (0.70)
4	Implementing and testing nursing care interventions to reduce healthcare-associated infections	5.47 (0.70)
5	Improving work efficiency of the PICU nurse	5.46 (0.80)
6	Improving the knowledge of safe medication administration	5.46 (0.76)
7	Reducing compassion fatigue, stress, and burnout in PICU nurses	5.45 (0.80)
8	Improving job satisfaction and resilience in PICU nurses	5.43 (0.85)
9	Improving nutritional support in critically ill children	5.42 (0.72)

Manuscript in Preparation

Thank you for your support to the study!

Past Events ...

PACCMAN COVID19 Seminar

Date: 22nd Sept 2021

Program:

Time	Title	Speaker/ Moderator
7.00 – 7.05pm	Opening	Jacqueline Ong , National University Hospital/ Phan Huu Phuc , Vietnam National Children's Hospital
7.05 – 7.25pm	Current global perspective on COVID-19; trends around the region	Paul Tambyah , National University Hospital
7.25 – 7.45pm	Current management on MIS-C	Arun Bansal , Post graduate Institute of Medical Education and Research
7.45 – 8.00pm	Update from PACCOVRA	Gan Chin Seng , Universiti Malaya Medical Centre
8.00 – 8.50pm	Country snapshots of paed COVID – 19 (10mins each) a. Indonesia – Jakarta b. Indonesia – Medan c. Pakistan d. Japan e. India	Pustaka , Harapan Kita Children and Women Hospital Ririe Malisie , Sumatera Utara University Qalab Abbas , Aga Khan University Hospital Takanari Ikeyama , Aichi Children's Health Medical Center/ Atsushi Kawaguchi , Tokyo Women's Medical University Jayashree , Post graduate Institute of Medical Education and Research
8.50 – 9.10pm	Panel Discussion	
9.10pm	Closing	Jacqueline Ong/ Phan Huu Phuc

NOTICE!

If you have missed it or if you would like to view the seminar again, the recording of the seminar is available at

https://drive.google.com/drive/folders/1iXS3cMjCyBHljFq5YNxBYFbBcUKn_ST5?usp=sharing

Pediatric TBI Symposium

- In collaboration with LARed

Date: 24th Nov 2021

The poster features a blue-tinted background image of a child's face with a stethoscope. The text is in white and blue. At the top right is the 'SALTY STUDY' logo with a brain icon. The main title 'PEDIATRIC TBI SYMPOSIUM' is in large blue letters. Below it is the date 'NOVEMBER 24TH, 2021'. A small text block lists time zones: 'COL 7-8:30am / ARG 9-10:30am / MEX 7-8:30am (DST regime) / UK 12-1:30pm / SG MY PH CN HK 8-9:30pm / TH VI ID 7-8:30pm / JP KR 9-10:30pm / IN 5:30-7pm / PK 5-6:30pm'. The 'AGENDA' section lists four topics with speakers. The 'Meeting link' section provides Zoom details. The 'GLOBAL COORDINATORS' section lists names and contact info for America-Europe and Asia Pacific.

PEDIATRIC TBI SYMPOSIUM

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AGENDA

- **The importance of multicenter studies in TBI research** *Robert C Tasker, MD, FRCP*
- **Use of hyperosmolar agents: SALTY evidence versus reality** *Shu-Ling Chong, MPH*
- **Fluids in TBI: How much is too much?** *Suyun Qian, MD*
- **ICP monitor: Bane or boon?** *Edgar Guadarrama Granados, MD*

Meeting link

- **Join Zoom Meeting** [click here](#)
Meeting ID: 816 4423 7767
Passcode: 956385

GLOBAL COORDINATORS

America - Europe
Juan David Roa MD MSC jdroag@fucs.salud.edu.co
Paula Caporal MD caporalpaula@gmail.com

Asia Pacific
Shu Ling Chong MD chong.shu-ling@kkh.com.sg
Dianna Sri Dewi Dianna.Sri.Dewi@kkh.com.sg

You can access the recording for the symposium via the link below.



https://drive.google.com/file/d/1OxQ62qhutkw8AOEY1ArS4BAXs-RuS_GD/view?usp=sharing

For internal circulation and education purposes only.

Upcoming Event ...



Neurocritical Care Conference (NCC2022)

Date: 1-3 July 2022

For more information and to register: <https://neurocriticalcare.org/>

NEUROCRITICAL CARE CONFERENCE
1-3 JULY 2022 **A VIRTUAL EXPERIENCE**
TOGETHER WE MOVE FORWARD

ADOPTED CHARITY:

ORGANISED BY:

SCAN THE CODE TO LEARN MORE

www.neuro-criticalcare.org

The poster features a central graphic of two human brains, one on the left and one on the right, rendered in a vibrant, multi-colored watercolor style. The background is a light blue and white geometric pattern of hexagons and lines. At the bottom, there are logos for the adopted charity (S.O.S. Motor) and the organizing bodies (Neuroscience Society of Australia and Neurocritical Care Society of Australia). A QR code is located in the bottom right corner, and the website URL is at the bottom.

Join Us ...



To join us, please go to:

<https://www.scri.edu.sg/crn/pediatric-acute-critical-care-medicine-asian-network/members/> to download the registration form. Kindly submit the completed form to patricia.tay@scri.cris.edu.sg.

If you have any feedback or would like to feature updates from your country in the PACCMAN newsletter, kindly write to Ms Patricia Tay, PACCMAN secretariat, at patricia.tay@scri.cris.sg.



We welcome anyone who is keen to collaborate and share common goal of developing best practices to improve survival in critically ill children in Asia. If you have any colleagues or friends who are interested, please do refer them to us.



2022
happy new year