



SINGHEALTH DUKE-NUS ANAESTHESIOLOGY & PERIOPERATIVE
SCIENCES ACADEMIC CLINICAL PROGRAMME

2020 Annual Report

FOREWORD BY ACADEMIC CHAIR

2021 marks the 6th year for the Anaesthesiology and Perioperative Sciences Academic Medical Program (ACP). This annual report serves to record the Academic achievements of the faculty. We have distilled the essence of what constitutes our academic strategic focus. I hope that the data and highlights will let you and your collaborators gain an insight into the scope of our work, its impact on research, education, quality & ultimately patient outcomes. In addition, we also hope that this will provide you with an overview of the future areas of growth for Anaesthesiology, Intensive Care and Pain Medicine in our ACP.

This first publication of the report would not be possible without the hard work put in by Ms Christine Neoh and her administrative team.

Chai Rick

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RESEARCH AT A GLANCE

RESEARCH GRANTS

\$ 25,000

TOTAL PUBLICATIONS
(WITH IMPACT FACTORS)

102

RESEARCH AWARDS

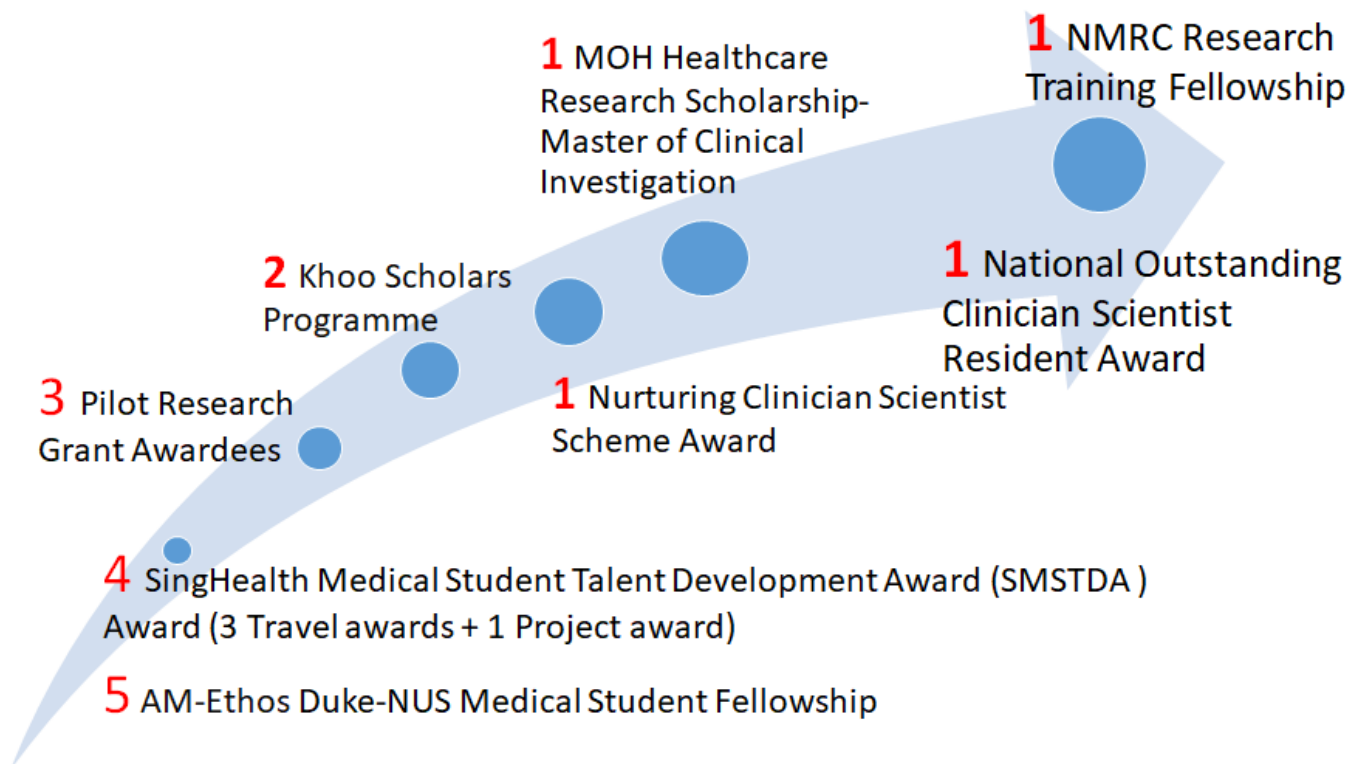
3

Research Output

Top articles (JIF >5):

Article Details	JIF
J Wang, C Xu, YK Wong, Y He, AA Adegnik, P G Kreamsner, S Agnandji, A A Sali, Z Liang, Chen Q, Fu LL, Jiang TL, S Krishna, Y Tu. Preparedness is essential for malaria-endemic regions during the COVID-19 pandemic. <i>The Lancet</i> 2020 Apr 4; 395(10230): 1094-1096	59.102
JG Yeo, M Wasser, P Kumar, L Pan, SL Poh, F Ally, T Arkachaisri, AJM Lim, JY Leong, LY Lai, KT Yeo, ESC Lee, CJH Chua, A Larbi, MSZ Nyunt, TP Ng, S Chiesa, M Gattorno, A Martini, BS Paleja, CA Dutertre, J Chen, KN Yaung, SPTang, SK Ng, CF Yung, AYJ Tan , SY Lee , F Ginhoux and S Albani. The Extended Polydimensional Immunome Characterization (EPIC) web-based reference and discovery tool for cytometry data. <i>Nature Biotechnology</i> , VOL 38, June 2020, 669-688.	31.864
Ong J, Young BE, Ong S. COVID-19 in gastroenterology: a clinical perspective. <i>Gut</i> .2020 Jun 69(6): 1144-1145	17.943
C Chew, Liu N, Wong TW, Sim EY, Abdullah HR . Utilizing machine learning methods for preoperative prediction of postsurgical mortality and intensive care unit admission. <i>Ann Surg</i> . 2020 Dec;272(6):1133-1139	9.476
Yang J, He Y, Li Y, Zhang X, Wong YK, Shen S, Zhong T, Zhang J, Liu Q, Wang J. Advances in the research on the targets of anti-malaria actions of artemisinin. <i>Pharmacol Ther</i> . 2020 Dec;216:107697	9.396
JL Vincent, A Ferguson, P Pickers, SM Jakob & ICON Investigators (A Kong). The clinical relevance of oliguria in the critically ill patient: analysis of a large observational database. <i>Crit Care</i> 24, 171, 2020 Apr 23	6.959
KJ Goh, J Wong, JCC Tien, SY Ng, SD Wen, GC Phua & CKL Leong. Preparing your intensive care unit for the COVID-19 pandemic: practical considerations and strategies. <i>Crit Care</i> 2020 May 11;24(1):215	6.959
HR Chua, G MacLaren, LHL Choong, CY Chionh, BZE Khoo, SC Yeo, DW Sewa, SY Ng , JCY Choo, BW Teo, HK Tan, WT Siow, RV Agrawal, CS Tan, A Vathsala, R Tagore, TYY Seow, P Khatri, WZ Hong, M Kaushik. Ensuring sustainability of continuous kidney replacement therapy in the face of extraordinary demand: Lessons from the COVID-19 Pandemic. <i>Am J Kidney Dis</i> . 2020 Sep;76(3):392-400	6.653
Au Yong PS , Chen X. Reducing droplet spread during airway manipulation: lessons from COVID-19 pandemic in Singapore. <i>Brit J Anaes</i> 2020 Jul;125(1):e176-e178	6.199
P Wong, SGK Ong , WY Lim . COVID-19 and cardiopulmonary resuscitation: the recommended N95 mask may not be adequate. <i>Br J Anaes</i> 2020 Sep; 125(3): e319-e322	6.199
Li LW , Chew AMK, Gunasekeran DV. Digital health for patients with chronic pain during the COVID-19 pandemic. <i>Br J Anaesth</i> . 2020 Nov;125(5):657-660	6.199
Ong S , Tan TK . Practical considerations in the anaesthetic management of patients during a COVID-19 epidemic. <i>Anaesthesia</i> 2020 Jun; 75(6): 823-824	5.879
K El-Boghdady, DJN Wong, R Owen, MD Neuman. S. Pocock, JB Carlisle, C Johnstone, Andruszkiewicz, P A Baker, BM Biccard, GL Bryson, TMH Chan, MH Cheng , KJ Chin, M Coburn, MJ Fagerlund, SN Myatra, PS Myles et al. Risks to healthcare workers following tracheal intubation of patients with covid-19: a prospective international multicentre. <i>Anaesth</i> 2020 Nov;75(11): 1437-1447	5.879
RW Leong , ESJ Tan , SN Wong, KH Tan , CW Liu . Efficacy of erector spinae plane block for analgesia in breast surgery: a systematic review and meta-analysis. <i>Anaesthesia</i> 2020 July	5.879
T Kabir, S Ngaserin, FH Koh, J Huang, BC Ong , MH Chew . The COVID-19 conundrum: SARS-CoV-2 is not present in bile. <i>Br J Surg</i> 2020 Sep;107(10):381	5.586
MH Chew , KC Chau, FH Koh, A Ng, SP Ng, SF Ng, MG Tan, SGK Ong , LM Teo , BC Ong . Safe operating room protocols during the COVID-19 pandemic. <i>Br J Surg</i> 2020 Aug;107(9):e293	5.586
Au Yong PS , Chan DXH . Opioid reduction strategies are important for laparotomies during the covid-19 outbreak. <i>Reg Anesth Pain Med</i> 2020 Apr 27	5.113
HS Tan , CW Tan , R Sultana, M Shah , WL Leong , ATH Sia , Sng BL . Peripartum factors associated with subacute pain after childbirth. <i>Reg Anesth Pain Med</i> . 2020 Dec; 45(12):1017-1018	5.113

Research Talent Development



A/Prof Hairil Rizal Abdullah
FY20 NMRC Research Training Fellowship
Recipient

Dr Paul Tan
National Outstanding Clinician Scientist
Resident Award 2020



Dr Lydia Li
FY20 MOH Healthcare Research Scholarship-
Master of Clinical Investigation Recipient

Nurturing Clinician Scientist Scheme (NCCS)

The NCCS seeks to support clinicians with a strong passion for research and nurture them to become full-fledged clinician scientist (CS)/ clinician innovator (CIN) with a sustainable research career funded through competitive grants. It aims to empower a high performing Individual with knowledge and passion to contribute his expertise to create a greater impact on healthcare. Our Talent Development programme has been a cornerstone of the research strategy in Anaesthesiology & Perioperative Sciences Academic Clinical Program (ANAES ACP), which is to develop clinician scientists, clinician innovators and clinician investigators who can spearhead research projects and/or programmes to advance the Anaesthesiology & Perioperative sciences.



DR EILEEN SIM

NCSS - CLINICIAN SCIENTIST TRACK 2020

Project title:

Prospective single-center randomized controlled trial to evaluate preoperative HOME-based supervised exercise program for PREhabilitation of frail elderly PATients undergoing major abdominal surgery, against current home-based unsupervised exercise program. (HOME-PREPARE)

Past awardees:



DR SHARIQ ALI KHAN

NCSS - CLINICIAN INNOVATOR TRACK 2019

Project title:

Development of the Epidural navigation system (EPINAV)



A/PROF HAIRIL RIZAL ABDULLAH

NCSS - CLINICIAN SCIENTIST TRACK 2017

Project title:

Double-blind Phase III randomized controlled trial comparing the efficacy and safety of intravenous ferric carboxymaltose with placebo in surgical patients with preoperative anaemia undergoing major abdominal and pelvic surgery.

ACP Pilot Research Grant (PRG)

This annual grant call aims to encourage and provide opportunities for our young clinicians to embark on worthy anaesthesiology, intensive care and pain medicine projects or programs in research to improve patient care, through the provision of seed funding through pitch for funding. With a lower entry criteria as opposed to national or cluster level competitive grants, ANAES ACP PRG hopes to provide an alternative and accessible platform for our budding clinician scientists with worthy projects, who may have little or no experience in research, to secure funding for research.

Grant Recipients in 2020:



Dr He Yingke
Associate Consultant,
Department of Anaesthesiology, SGH

Project title: Prevalence of cigarette smoking and readiness-to-quit among surgical patients attending Preoperative Assessment Clinic

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Dr Melody Long
Associate Consultant,
Department of Paediatric Anaesthesia, KKH

Project title: EEG monitoring under anaesthesia in children: Towards personalized anaesthesia care

.....



Dr Lim Ming Jian
Associate Consultant,
Department of Women's Anaesthesia, KKH

Project title: The Effect of Mindfulness-Promoting Meditation Exercise Application on Pain and Anxiety after Caesarean Delivery: a randomised controlled trial

ACP Pain Research

The ACP Pain Research Group was initiated by the ACP Research committee in 2019 for a group of pain research active clinicians. The group comprises 7 pain clinicians in all sites of the ACP and works on both translational and clinical aspects of pain research.

Topics of research interests are epidemiology of pain in Singapore population, longitudinal follow up outcomes in acute/chronic/cancer pain, pain psychology, pain phenotyping, genetic studies of pain and drug therapy. The group is currently working on a collaborative project on post -mastectomy pain funded by the ACP Philanthropy Grant. The long term goal of the Group is to advance and sustain the pain research academic excellence and establish the ACP national/ regional and global role in pain research.

Pain Research Workgroup:



A/Prof Sng Ban Leong



Dr Diana Chan



Dr Prit Singh



Dr Angela Yeo



Dr Lydia Li



Dr Paul Tan



Dr Christopher Liu

Medical Student Research Mentorship

Our clinicians do their part to nurture the next generation of junior research clinicians. Five of our clinicians are active Duke-NUS research mentors and many more are research mentors for Yong Loo Lin School of Medicine (YLL). On average, approximately 4 to 5 Duke-NUS or YLL students mentored by our clinicians receive SingHealth Medical Talent Development Awards or SingHealth Duke-NUS Medical Student Fellowship each year.



Medical Student Fellowships and Awards 2020:

AM-ETHOS Duke-NUS Medical Student Fellowship

Student	Research Mentor
Lim Chu Hsien	A/Prof Sng Ban Leong Prof Alex Sia
Eng Zhiqing	Prof Alex Sia A/Prof Sng Ban Leong
Teresa Chen	A/Prof Sng Ban Leong
Qi Yueyue	A/Prof Sng Ban Leong
T Agarthesh	A/Prof Sng Ban Leong Prof Alex Sia

SingHealth Duke-NUS Medical Student Talent Development Award

Student	Research Mentor
Lim Chu Hsien	A/Prof Sng Ban Leong
Eng Zhiqing	A/Prof Sng Ban Leong
Yeap Cheng Teng	A/Prof Sng Ban Leong

EDUCATION AT A GLANCE

NUMBER OF NEW FACULTY APPOINTMENTS

YLL School of Medicine : 11

Duke-NUS: 40

LKC School of Medicine: 14

NUMBER OF RESIDENTS

67

NUMBER OF TEACHING AWARDS

4

MEDICAL EDUCATION RESEARCH PUBLICATIONS

16

Medical Student Education

Every academic year, our Anaesthesiology departments receive about 160 medical students from Yong Loo Lin School of Medicine, Duke-NUS Graduate Medical School and Lee Kong Chian School of Medicine for their elective rotations.

Program evaluation (4-point scale)

Institution	AY 18/19 Duke-NUS	AY 19/20 Duke-NUS	AY18/19 YLL	AY 19/20 YLL
SGH	3.86	3.91	3.48	3.7
KKH WAN / PAN	(Jan-Nov 2018 program & electives)	(Jan - Dec 2019 electives)	3.9	3.92
CGH	NA	NA	3.83	3.63

Faculty evaluation (5-point scale)

Institution	AY 18/19 Duke-NUS	AY 19/20 Duke-NUS	AY18/19 YLL	AY 19/20 YLL
SGH	4.77	4.87	4.1	4.6
KKH WAN / PAN	(Jan-Nov 2018 program & electives)	(Jan - Dec 2019 electives)	4.8	4.6
CGH	NA	NA	4.8	4.7

Teaching Awards 2020:

Clinical Training Excellence Award (Department Award)

Women's Anaesthesia, KKH

Paediatric Anaesthesia, KKH

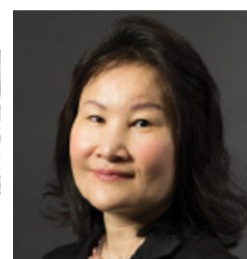


Dean's Award for Teaching Excellence

A/Prof Lim Suan Ling, Paediatric Anaesthesia, KKH

Special Recognition Award

A/Prof Tay Sook Muay, Surgical Intensive Care, SGH



Residency in SingHealth Excels (RiSE) Awards 2020

The annual Residency in SingHealth Excels (RiSE) Awards celebrates and honours Residents, Faculty and Partners in Education for their achievements and exemplary contributions in clinical and academic work.

Outstanding Faculty Award:

Top 5% Faculty nominated by the programme for their commitment and contribution to Residency.



Dr Evangeline Lim



Dr Sharon Ong



Dr Farida Ithnin



A/Prof Raymond Goy



Dr Wong Loong Tatt



Dr Jerry Lim



Dr Jimmy Phoo



Dr Chee Huei Leng



A/Prof Agnes Ng

Residency in SingHealth Excels (RiSE) Awards 2020

Faculty Appreciation Award:

This award is given out to faculty members of each programme for their commitment to Residency training in their respective programmes during their tenure.



Dr Bong Choon Looi Dr Josephine Tan Dr Yim Chik Foo Prof Hwang Nian Chih Dr Jimmy Lim

Outstanding Resident Award:

Top 5% of each Residency cohort who have done exceptionally well in their clinical and academic avenues of medical education.



Dr Lucy Davies

Dr Denise Lim

Dr Tham Kar Mun

Dr Samantha Wong

Residents' Committee Appreciation Award:

The Resident Committee award recognises the numerous contributions of Resident representatives in the development of programmes for peers and juniors.



Dr Jonathan Cheng



Dr Jacklyn Yek

ANAES ACP Inspiring Teacher Awards

This award is given annually to recognize and acknowledge the efforts of our clinical teachers, who have inspired and helped to develop better clinicians and compassionate care providers.



Dr Abbey Matthews



Dr Andrew Roscoe



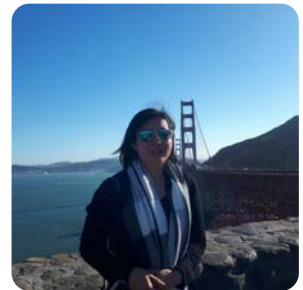
Dr Chow Yuen Mei



Dr Irene Wong



Dr Chong Shin Yuet



Dr Antonia Zeng



Ms Goh Meh Meh



A/Prof Agnes Ng



A/Prof Hairil Rizal
Abdullah



Dr Jerry Lim



Prof Hwang Nian Chih



A/Prof Ng Shin Yi

Education Grants

Grant start date	PI	Project Title	Funding agency
1 April 2020	Raymond Goy	How do experiential collaborations in escape room emergent scenarios stimulate inter-professional learning and practice	ACP Programme Funding
1 Jan 2021	Michelle Leanne Lim	Improving Extent of Care and Palliative Care Counselling Skills in Residents Caring For Critically Ill Surgical Patients	AM.EI
15 Jan 2021	Adeline Leong	A blended learning programme focusing on comprehensive opioid management in pain (COMP): A pilot programme	SingHealth Duke NUS ANAES ACP Philanthropy Grant

Education Research Publication

ANAEs author	Article Title	Journal	Month	JIF
S Ong	Burnout in gastroenterology: Better awareness and research are needed.	United European Gastroenterol J	Dec	3.453
Hwang NC	Academic Coaching of Medical Students During COVID-19.	Medical Education	Dec	4.619
Lim WY, Ho VK, Ong SGK	High-fidelity simulation training with PPE may optimise resuscitation outcomes in the COVID-19 era.	Resuscitation	Dec	4.572
Goy RWL, Lee JSE, Ithnin F, Sng BL	Current state of reflective learning in anaesthesiology residents: a call for 'reflection-on-action' training in Singapore.	Singapore Med J	Dec	1.141
Davies LJ	Nationwide survey comparing residents' perceptions of overnight duty systems in Singapore: night float versus full	Singapore Med J	Oct	1.141
C Tien	Point-of-care ultrasound training among intensivists in Singapore: a multicentre survey.	Annals, Academy of Medicine Singapore	Sep	1.127
JSE Lee, JJ Chan, F Ithnin, RWL Goy, BL Sng	Resilience of the restructured obstetric anaesthesia training program during the COVID-19 outbreak in Singapore.	Int Jour Obs Anes	Aug	1.958
QJ Tong, JX Chai, LH Tan, P Singh, LT Ong, MYL Wu, LXL Ng	Assessing Operating Room Preparedness for COVID-19 Patients through In-Situ Simulations.	Anesth Analg	Aug	3.489
Lim WY, Wong P, Teo LM, Ho VK	Resuscitation during the COVID-19 pandemic: Lessons learnt from high-fidelity simulation.	Resuscitation	July	4.572
R Chandran, A Negar, PA Singh	Simulation of bleeding airways in cadavers: New models for experiential learning.	Open J of Anes	May	NIF
Mah CL	CCrISP course: time to help our surgical residents to look after our critically ill patients!	Postgraduate Medical Journal	May	1.946
E Lew, RWL Goy, Sng BL, F Ithnin	Determining competence in performing obstetric combined spinal-epidural procedures in junior anaesthesiology residents: results from the cumulative sum analysis.	Int Jour Obs Anes	May	1.958
D Moo, Ong ET, Siow WS	Why residents quit: Prevalence of and reasons for attrition among anaesthesia residents in a single sponsoring institution.	Proceedings of Singapore Healthcare	Feb	NIF

Professional Development Talks 2020

Previously known as “Faculty Development” talks, the monthly talks has been rebranded to “Continuum in Professional Development” talks. The talks cover topics beyond medical education and aim to interest everyone from MOs to Senior Consultant.

Topic	Speaker
Medico-Legal Aspects of Anaesthesia: The Risk is Real	Chandran Rajkumar, Senior Consultant, CGH
The healing power of philanthropy - defining the clinician’s role	June Goh, Senior Consultant, SGH
Research 101: Navigating & Discovering	Diana Chan, Consultant, SGH
Digital Empowerment	Jonathan Cheng, Senior Resident, SHARP

ACP PROFESSIONAL DEVELOPMENT TALK
 Wednesday 28th October 2020
 0730 hrs Webinar




Title: Research 101: Navigating & Discovering
 Speaker: Dr Diana Chan
 Chairperson: A/Prof Sng Ban Leong

Have a research idea?

Not sure how and where to start from? This talk will provide some insight to aspiring clinicians on the resources available within the Division and ACP to help them start out in research, the types of research that one can venture in; basics of grant writing & the importance of budget and time management, mentorship, self-discovery & development of resilience along the way.

ACP Mentorship Programme



Mentorship in Our Academic Mission
Seh Chai Rick

Chit Chat: How Mentoring Shaped Us
Leong Xin Fang & Lucy Davis

Mentoring 101: Brief Science
Farida Ithnin

The E-MC2 Program
Eileen Lew

Memoirs of A Mentor
Sophia Chew

Empowering the Mentees
Hwang Nian Chih

Webinar
MENTORSHIP
in OUR ACP
 Saturday 26 September 2020
 1000 - 1130 hours

EMC²
 ENHANCING MENTORSHIP THROUGH COLLABORATIONS & COMMUNITY



The ACP Mentoring Programme E=MC2 was launched in 2020. The mentorship workgroup organized the first mentorship webinar in September 2020 whereby mentors and mentees come together to share their mentoring experience. The workgroup has also planned to organize a series of workshops for mentors.

CLINICAL QUALITY & SERVICES AT A GLANCE

NO OF CLINICAL
INNOVATION GRANTS

6

NO OF QUALITY IMPROVEMENT
PROJECTS INITIATED

102

Covid-19 Clinical Innovation

“Swab Assurance for Everyone” or SG-SAFE:

“Swab Assurance For Everyone” or SG SAFE for short was developed by Faculty from the SGH Division of Anaesthesiology in partnership with The Biofactory, a local biomedical incubator. It is a foldable three-panel transparent booth that comes fitted with a pair of biosafety level 3 gloves, and the system makes it less nerve-racking and tedious for healthcare workers to perform the high-risk coronavirus swab tests.

The development of SG SAFE units was supported and funded by the ANAES ACP Philanthropy Funds. Units funded by ANAES ACP were deployed to large-scale coronavirus testing areas such as the SGH staff clinic and foreign worker dormitories during the 2nd quarter of 2020.



Coronavirus: SGH doctors come up with safer, quicker ways for large-scale testing



1 of 2 Throat swabs being done with SG Safe (above), a transparent booth system, and SG Shield, which gives healthcare workers

System of Portable AnteRoom for Containment (SG-Sparc)



System of Portable AnteRoom for Containment (SG-Sparc) is a portable system that can convert wards, intensive care units (ICU) and operating theatres into negative pressure isolation rooms within hours to house patients with infectious diseases.

After any gaps between the entrance and the system are sealed, a Hepa filter unit at the top of the system is powered up to create a negative pressure environment within the patient's room, so that infectious droplets and air from the room cannot seep outside into the corridors.

It was developed by SGH Division of Anaesthesiology in collaboration with The Biofactory and funded by the SingHealth Duke-NUS Urgent Covid-19 Research Fund, with contribution from The Biofactory.

The inventions came at a time when existing numbers of isolation rooms abroad are insufficient to support the Covid-19 surge experienced during the middle of the year in 2020. It was also costly and time-consuming to build isolation rooms.



Covid-19 Crisis Preparedness

Time and effort were put into planning and managing suspected Covid-19 cases and a possible surge in numbers in the operating theatres and ICUs. Frequent simulations were conducted to ensure the preparedness of staff. Examples of simulation sessions include:

- OBGYN EOT Activation*
- In-situ Simulation in IR COVID suite*
- In-situ Simulation for IR/ Uro OT*
- GS Crisis Simulation in COVID Uro OT*

Changes in normal practices were also made, such as introducing teleconsultation for preoperative assessments.



Covid-19 Frontline Work

During the height of the pandemic in 2020, our faculty were deployed to various Covid-19 frontline areas such as fever screening areas, emergency departments, institution staff clinics, dormitories, Community Care Facilities and Swab Isolation Facilities.



Covid-19 Innovation Grants & Projects

SingHealth Duke-NUS Covid-19 Innovation Programme Cycle 1

Covid-19 Teleconsult with Wireless Stethoscopes. Augmenting Isolation Wards and COVID-19 Screening Centers by **Dr Hairil Rizal**

NOvel Suction Enabled System—(NOSES) for Self Ventilating Tracheostomy Patients by **Dr Rajkumar Chandran**

SGH Covid-19 Resilience Innovation Grant

SGH Parachute by **Dr Claudia Tien**

SGH POD (Surgical Protective Operation Device) by **Dr Wong Loong Tat**

SingHealth Duke-NUS AM Special Request for Urgent COVID-19 Research Funding

SG-SPARC (System of Portable AnteRoom for Containment) by **Dr Hairil Rizal**

Immunoprofiling of critically ill patients with Covid-19 by **Dr Goh Qing Yuan**

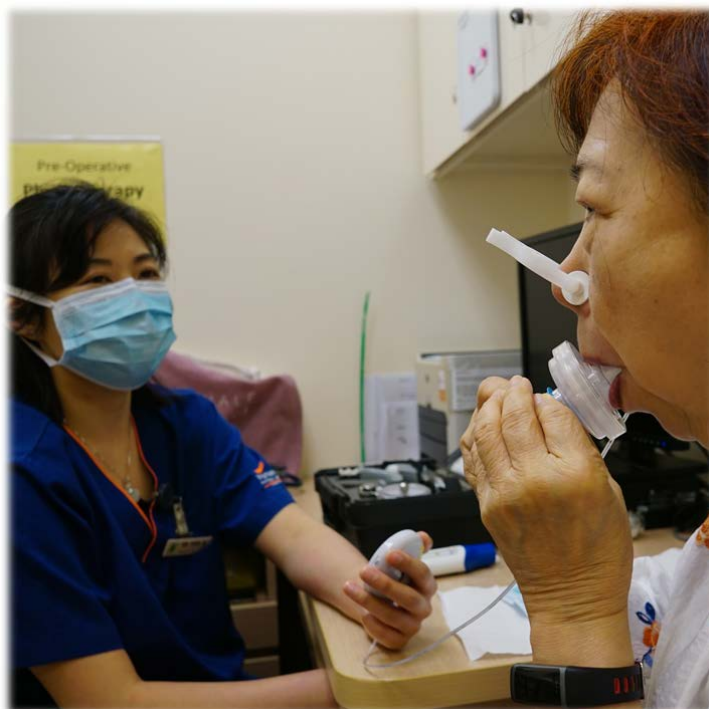
Clinical Initiatives

Perioperative Programme for Elderly (PREPARE)

The Perioperative Programme for Elderly (PREPARE) program designed by Hairil Rizal and his team in SGH aims to implement a frailty assessment tool to identify frail elderly during preoperative assessment and provide a one-stop prehabilitation program to frail patients to minimize need for multiple hospital visits for preoperative optimization, and to reduce postoperative complications and improve postoperative outcomes. The PREPARE program was implemented in January 2019 and comprises of a multi-disciplinary team of anaesthetists, Internal Medicine (IM) physicians, nurses, physiotherapists, dieticians and administrators. The program was implemented in multiple phases.

With the institution of a centralized approach to screen and optimize frail patients going for elective surgery, the program has seen a decrease in the median hospital length of stay (days) in vulnerable-frail patients by 2-3 days, as well as an increase in the average proportion of vulnerable-frail patients with no complications by 24%. Average bill size post-intervention for anterior resection surgeries decreased by 21% and for colectomy, a decrease in 7% of the bill size was seen. The team believes the PREPARE program has the potential to be scaled to a nation-wide program, to maximize postoperative outcomes for frail patients.

The PREPARE program was awarded the Best Practice Medal in Care Redesign at the National Healthcare Innovation and Productivity (NHIP) awards 2020.



Clinical Initiatives

Community Virtual Pain Clinic



Collaborative Community Virtual Pain Clinic for mobility impaired to enhance access to care and quality of pain management for improved outcomes & reduced admissions

Team Leader: Dr Jane M George
Team members: Dr Lin Xu Feng, Sew Choy Ngor, Rachel Lee, Susan Lim Suyu
Sponsors: Dr Tan Kian Hian, A/Prof Ruban Poopalalingam
Facilitators: Khee Giat Yeng, William Yap



The project led by Dr Jane M George, SGH Department of Pain Management was awarded as one of the top 6 winning posters for the ESTHER Festival 2020.

Virtual Pre-operative Assessment for Pediatric Patients

- *Mainly for medically stable pediatric patients (no medical examination required)*
- *To give parents a chance to be better informed before they sign the anaesthesia consent and allow parents to properly prepare their child before surgery*
- *Sessions started since 14 April 2020*



Virtual Paediatric Anaesthetic Clinic (V-PAC) is now available!

If your child is scheduled for surgery*, you may be able to:

- *Attend a 30 minute online consultation session (telehealth)*
- *Discuss with our anaesthetists about the anaesthesia plan for the surgery*



Ask your surgeon/clinic staff today!

* Subject to eligibility criteria

Quality Improvement



SGH Quality Improvement Project of the Year 2020 – Code Blue
from Division of Anaesthesiology and Division of Medicine

Dr Claudia Tien, Consultant, SGH Department of Anaesthesiology and co-chair of the SGH Code Blue Committee, together with her multidisciplinary team from Division of Anaesthesiology and Division of Medicine, was awarded the SGH Quality Improvement Project of the Year 2020.

The team had the aim of improving the Code Blue (cardiac arrest) Response Time to less than 5 minutes within 6 months in the SGH campus and achieved a reduction in the code blue median response time from 6.8 min to 4.3 min through regular simulations, skills training and standardization of workflow.

PHILANTHROPY AT A GLANCE

TOTAL FUNDS RAISED

\$ 178,886.91

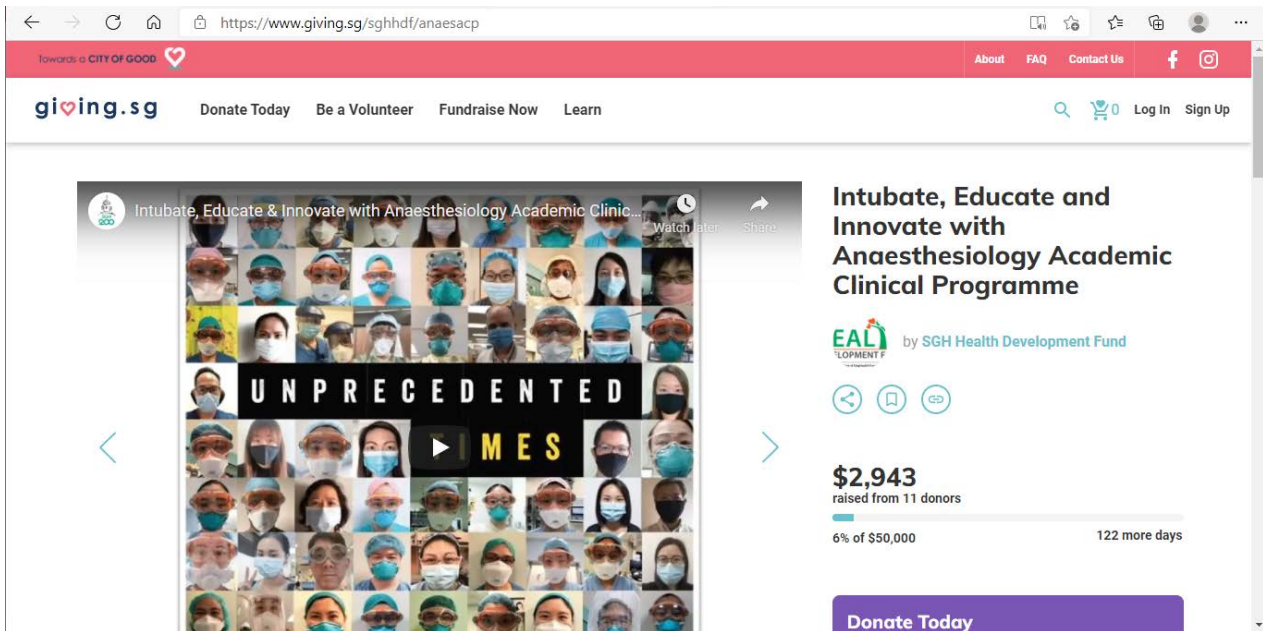
GRANTS GIVEN OUT

\$ 136,700

GIVING INITIATIVES

Launch of Giving.sg Campaign

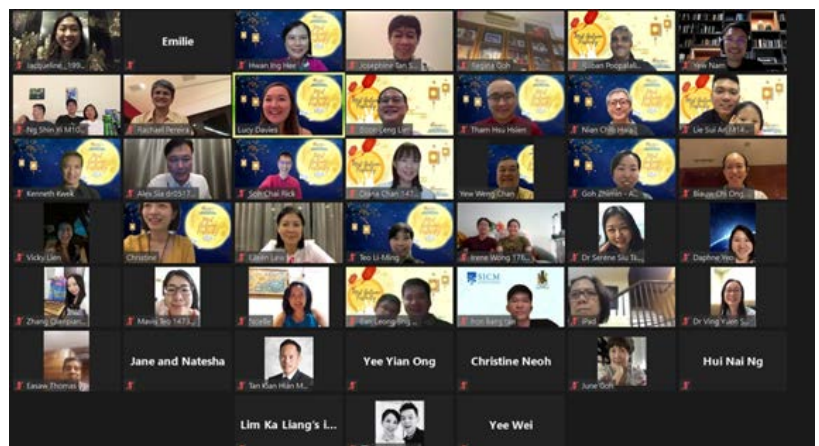
The campaign "Intubate, Educate and Innovate with Anaesthesiology Academic Clinical Programme" was launched on giving.sg platform in August 2020. The aim is to raise funds to research, education and clinical innovation initiatives within the ACP.



Donor Outreach Event



The philanthropy arm of the ACP organized its first virtual outreach event in conjunction with the mid autumn festival in September 2020. Invited guests include alumni, staff donors and supporters of our campaigns.



IMPACT OF GIVING

Senior Resident Talent Development Award

The award was established in 2019 with the support of our alumni and friends to provide an opportunity for the senior resident who has leadership potential to observe and learn from a different healthcare system. Through this award, the senior resident awardee will have the chance to learn best practices in the different academic areas and hopefully be the change maker in the local system upon his/her return.



Dr Leong Xin Fang
SRTDA Awardee 2019
Spent 1 week at Duke Anaesthesiology
and attended ACGME Chief Resident
Course in Boston



Dr Ma Wai Wai Zaw
SRTDA Awardee 2020
Attended INSEAD "Emerging
Leaders" Course in October 2020

ANAES ACP Philanthropy Grant Call

The ANAES ACP Philanthropy Grant Call aims to provide resources in our mission to build up capabilities and track record in a strategic area within the ACP. Two projects were awarded during the inaugural grant call in 2020.



Incidence and Factors affecting the development and outcome of post mastectomy pain syndrome – a multi-centre prospective cohort study
(Principal Investigator – Dr Diana Chan)



A blended learning programme focusing on comprehensive opioid management in pain (COMP) for junior anaesthesia doctors
(Principal Investigator – Dr Adeline Leong)

ACADEMIC DAY 2020

ACP Publication Award 2020

Research

1st Prize: Jason Chan JI

Evaluation of association factors for labor episodic pain during epidural analgesia, Journal of Pain Research

2nd Prize: Paul Tan Hon Sen

Reducing breakthrough pain during labour epidural analgesia: an update, Current Opinion in Anesthesiology

3rd Prize :Lie Sui An

Challenges of brain death and apnea testing in adult patients on extracorporeal corporeal membrane oxygenation - a review, Journal of Cardiothoracic and Vascular Anesthesia

Education

1st Prize: Lim Wan Yen

The Abbreviated Maslach Burnout Inventory Can Overestimate Burnout: A Study of Anesthesiology Residents, Journal of Clinical Medicine

2nd Prize: Raymond Goy

Exploring the challenges of task-centred training in obstetric anaesthesia in the operating theatre environment, International Journal of Obstetric Anesthesia

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Best Abstracts

Clinical and Translational Research

1st Prize: Chu Hsien Lim, Carolyn L. Chan, Chin Wen Tan, Jason J.I.Chan, Rehena Sultana, Tze-Ern Chua, Helen Y. Chen, Alex T.H.Sia, Ban Leong Sng

Association Factors with the Development of Postnatal Depression after Cesarean Delivery: A Prospective Cohort Study

2nd Prize: Roderica Ng , Teing Ee Tan, Philip Pang, Manish Kaushik, Su Hooi Teo, Sophia Chew

Acute Kidney Injury Pathway (AKIP) for Early Diagnosis of AKI After Cardiac Surgery

3rd Prize: Yeam Cheng Teng, Jason JI Chan, Chin Wen Tan, Kirthinanda Dinoo, Leong Wan Ling, Farida Ithnin, Rajive Dabas, Rehena Sultana, Alex Sia TH, Ban Leong Sng

Risk Factors Associated With Development Of Acute Postsurgical Pain After Caesarean Delivery: A Prospective Cohort Study

ACADEMIC DAY 2020

Best Abstracts

Medical Education Research

1st Prize : Ang JSA, Chan HZJ, Chua YSD, Foo QXJ, Tay SM

Benefits of a Near-Peer-Led Practice Objective Structured Clinical Examination (OSCE) in Teaching Physical Examination (PE) Skills

2nd Prize: Ong GKS, Dong CY, Tan LH, Lim HLE, Leong XYA, Chong SY, Tay SM, Wong LT
Identifying the key Anaesthesia Non-Technical Skills (ANTS) needed for distant supervision - A mixed-methods study

Clinical Quality Improvement, Patient Safety & Innovations

1st Prize: S Chee, Li XH, Chan CH, Lin XF, Lim SY, J George, Tan KH

Collaborative Community Virtual Pain Clinic to reduce healthcare visits for mobility impaired patients with chronic pain

2nd Prize: GY Ng, MJ Ng, PC Lee, NWS Yit, TY Ng, RCS Zeng, BC Ong

Contact Tracing using Real-Time Location System (RTLS): A Simulation Exercise in a Tertiary Hospital in Singapore

3rd Prize: M Chee, Lie SA, Chong SY, Wong LT

Process oriented In Situ Simulation is a valuable tool to rapidly ensure operating theatre preparedness for COVID-19 outbreak

ACP Retreat 2020

The ACP held its first virtual retreat in September 2020. We were privileged to have Professor Joseph Mathew from Duke Anaesthesiology as the keynote speaker for the event.

ANAES ACP RETREAT 2020

Theme
How should Anaesthesia and Perioperative Medicine move forward in the new Covid-19 paradigm?

Details
Saturday, 5 September 2020
8am - 1pm via Zoom

Programme Highlights

- Keynote speech - Prof J Mathew
- Breakout sessions
- Virtual team bonding - travel around the world from the comfort of your own home!
- Goody bag

Keynote Speaker
Joseph Mathew
Professor of Anaesthesiology and Chairman, Department of Anaesthesiology, Duke University Health System

Register now*
*Requires internet access

Pending approval of CME points