



2025 CCSSA CONGRESS



14th - 17th August 2025



Durban International Convention Centre



PROVISIONAL SCIENTIFIC PROGRAMME

THURSDAY, 14 AUGUST 2025

CPD
HPCSA Accredited

CEU points: 26
Ethics points: 6

07h00 - 08h00	REGISTRATION				
WORKSHOPS					
VENUE	MR 11	MR 12	MR 21	MR 22	MR 22ABC
08h00 - 12h00	<div>Advanced Mechanical Ventilation I (HALF DAY am)</div> <div><div>Co-ordinator: Malcom Miller</div><div>Facilitators: Andrew Argent Shahed Omar Arisha Ramkillawan Vedika Satyapal</div></div> <div>A practical hands-on & comprehensive approach to managing mechanical ventilation in ICU will be covered in this workshop. Various modes of ventilation & ventilatory strategies will be covered. The format of the workshop will include a brief presentation followed by practical demonstrations & discussions.</div> <div><div>Sponsors Dräger Mbuso Medical Supplies RCA</div></div>	<div>Mini-iFAD (FULL DAY)</div> <div><div>Co-ordinator: Kuban Naidoo</div><div>Facilitators: Kim de Vasconcellos Conrad Groenewald Manu Malbrain Shahed Omar Fathima Paruk Robin Saggars Marlize Swart Rob Wise</div></div> <div>The program includes short lectures, skills stations via live camera projection & advanced case discussions. Key areas that will be covered include: Resuscitative fluids, Fluid stewardship, Guidance of fluid therapy with Non-invasive hemodynamic monitoring, Bio-electrical impedance analysis, Point-of care US (VExUS) & the use of AI in the future. There will be skills stations & advanced case discussions including the opportunity to self-assess with feedback. There are limited tickets available for this globally sought-after workshop.</div> <div><div>Sponsors Baxter RCA</div></div>	<div>09h00 - 12h30 SASPEN: Nutrition assessment & body composition (HALF DAY am)</div> <div><div>Co-ordinator: Renée Blaauw</div><div>Facilitators: Renée Blaauw Tanna Cohen Anna-Lena du Toit</div></div> <div>This is an interactive workshop focusing on comprehensive nutrition status assessment techniques. Participants will practice how to conduct bio-electrical impedance analysis (BIA) and interpret the findings. This will be followed by case study discussions with practical implementation of body composition results to assist with nutrition decision-making. After attending this workshop, participants should be able to conduct BIA assessments, interpret the results and be able to adapt nutrition support accordingly.</div> <div><div>Sponsor Abbott</div></div>	<div>Advanced Critical Care Echocardiography (ACE-ICU) (HALF DAY am)</div> <div><div>Co-ordinators: Nivisha Parag Rob Wise</div><div>Facilitators: Conrad Groenewald Kroshlan Kistan Pano Parris</div></div> <div>The Advanced Critical Care Echocardiography (ACE-ICU) workshop offers a focused, hands-on approach to advanced cardiac ultrasound in the intensive care setting. Centered on a more in-depth evaluation of both left and right heart function than introductory courses, this half-day course blends concise expert-led talks with immersive practical stations. Participants will enhance their proficiency in advanced imaging techniques, including assessment of systolic and diastolic function, hemodynamic integration, and practical approaches. Clinical cases and integrated skills sessions ensure practical application of learning. Ideal for critical care clinicians aiming to elevate their echocardiographic skills in complex ICU scenarios.</div> <div><div>Sponsors Adcock Ingram Critical Care RCA</div></div>	<div>Navigating Difficult Conversations: Integrating Palliative Care in the ICU (HALF DAY am)</div> <div><div>Co-ordinator: Fiona Lourens</div><div>Facilitators: Tayla Oshry Nicky Brown</div></div> <div>This workshop equips clinicians with essential skills for end-of-life discussions. Learn to foster compassionate, patient-centered care while cultivating prognostic awareness in families and ensuring dignity in dying within the ICU.</div>
	12h00 - 13h00	LUNCH BREAK			
VENUE	MR 11	MR 12	MR 21	MR 22	
13h00 - 17h00	<div>Advanced Mechanical Ventilation II/ARDS (HALF DAY pm)</div> <div><div>Co-ordinator: Malcom Miller</div><div>Facilitators: Arisha Ramkillawan Vedika Satyapal</div></div> <div>This workshop will follow on from Advanced Mechanical Ventilation I. There will be a particluar focus on ventilatory management of the complex patient with ARDS. The format of the workshop will include a brief presentation followed by practical demonstrations & discussions.</div> <div><div>Sponsor Dräger</div></div>	<div>Mini-iFAD (Continued)</div> <div><div>Co-ordinator: Kuban Naidoo</div><div>Facilitators: Kim de Vasconcellos Conrad Groenewald Manu Malbrain Shahed Omar Fathima Paruk Robin Saggars Marlize Swart Rob Wise</div></div> <div><div>Sponsors Baxter RCA</div></div>	<div>SASPEN: Understanding gastrointestinal anatomy & other practical surgical aspects related to nutrition (HALF DAY pm)</div> <div><div>Co-ordinator: Anna-Lena du Toit</div><div>Facilitators: Galya Chinnery Anna-Lena du Toit</div></div> <div>This interactive wokshop will be presented by an upper gastro-intestinal surgeon & a dietitian with experience in the field of surgery. It will focus on the general GI anatomy as well as frequently encountered surgical procedures of the gastro-intestinal tract and their reconstructions. Enteral nutrition access routes & nutritional management of patients in the post-operative period as well as the long-term management will be discussed. The aim is to provide participants with a better understanding of surgical complexities & the new GI anatomy of the patients they deal with. Feeding routes & practical aspects of tube insertion and stents will be explored with practical examples & demonstrations of procedures. Participants should be able to understand surgical procedures and their consequences on nutrition support in the short & long term better, be able to interpret operation notes & be confident in advising nutrition support in the peri-operative phase after attending this workshop.</div> <div><div>Sponsor Fresenius Kabi</div></div>	<div>Renal Replacement Therapy - From basic to advanced (HALF DAY pm)</div> <div><div>Co-ordinator: Shahed Omar</div><div>Facilitators: Jacqui Brown Pano Parris</div></div> <div>This intensive half-day workshop provides a focused overview of acute renal replacement therapy (RRT), incorporating both foundational and advanced concepts. Participants will be introduced to current extracorporeal treatment modalities including CRRT and SLEDD with an emphasis on practical application and troubleshooting. Key topics will include:<ul style="list-style-type: none">Overview of RRT modalities:Anticoagulation strategies in acute RRTTroubleshooting common issues during therapyAdvanced management considerations in complex patientsThe workshop will be delivered through a combination of concise lectures, practical demonstrations, and small group discussions, allowing participants to gain both theoretical knowledge and hands-on experience.</div> <div><div>Sponsors Adcock Ingram Critical Care BBraun Fresenius Medical Care</div></div>	
	17h30 - 17h40	INTRODUCTION & WELCOME RENÉE BLAAUW, KIM DE VASCONCELLOS & DEAN GOPALAN			
17h40 - 18h30	OPENING SESSION: EPONYMOUS LECTURE - SMOOTH SEAS DO NOT MAKE SKILLFUL SAILORS ZIRK BOTHA				
18h30 - 22h00	OPENING WELCOME COCKTAIL				HALL 1A FOYER

07h00 - 08h00	REGISTRATION					
08h00 - 10h00	PLENARY FROM SHORELINE TO LIFELINE				Chairs: Renée Blaauw Dean Gopalan	VENUE: HALL 2CDE
08h00 - 08h20	Tidal waves and tiny signals: Harnessing AI to predict the unpredictable				Anthony Gordon	
08h20 - 08h40	Navigating the stormy seas - Stewarding fluids for optimal haemodynamics				Manu Malbrain	
08h40 - 09h00	The Lifeline Crew: Team dynamics under pressure				Petra Brysiewicz	
09h00 - 09h20	Tides of change: Managing refeeding syndrome in ICU patients				Arthur van Zanten	
09h20 - 09h40	Coming up for air - Oxygen targets in the PICU - How low can we go?				Mark Peters	
09h40 - 10h00	The rising tide of survivors: What comes after the storm				Sabrina Eggmann	
10h00 - 10h45	REFRESHMENT BREAK - IN EXHIBITION HALL					
Venue	HALL 2C	HALL 2D	HALL 2E		MR 11	MR 12
10h45 - 12h45	Mastering the currents - Navigating haemodynamics Chairs: Sean Chetty Kuban Naidoo	Quality of care - Following the beacon Chairs: Shahed Omar Nivisha Parag	Paediatrics Chairs: Shivani Singh Martie Wege		Nursing Chair: Cynthia Mabaso	SASPEN: Current opinion in critical care Chairs: Anna-lena du Toit Omy Naidoo
10h45 - 11h00	Haemodynamic targets in different shock states Sean Chetty	Turning ICU PSI reporting into systematic change Shuaib Kauchali	10h45 - 11h00	Refractory pulmonary hypertension in the PICU: When to escalate, when to innovate? Shamiel Salie	Physiology of respiration Lennon Moodley	Calories, controversies & confidence intervals: Making sense of critical care nutrition trials Renée Blaauw
11h00 - 11h15	When should cardiac output be measured? Busi Mrara	Pressure ulcers as an index of quality Andrea Marshall	11h00 - 11h15	PARDS – Are we ready for personalized ventilation? Andrew Argent	What is acute lung injury? Isabel Coetzee-Prinsloo	The unsaturated truth: Lipid metabolism and therapy application Omy Naidoo
11h15 - 11h30	Current perspectives Hussain Cassimjee	ICU handovers impacting on quality of care Vedika Sathyapal	11h15 - 11h30	Sleeping safely or sedating dangerously? Larisha Pillay	Update on ventilation modes Nomhle Yeni	Individualised protein dosing in the ICU: from one-size-fits-all to phenotyping and endotyping Arthur van Zanten
11h30 - 11h45	Venous congestion and VEXUS Manu Malbrain	Tracheostomy care and considerations Kerry Coole	11h30 - 11h45	Cool solutions - What's new in TTM? Lincoln Solomon	Effects of prone position in ARDS Mokgadi Matlakala	Navigating the amino acid tightrope: Amino acids and kidney function Lizl Veldsman
11h45 - 12h00	Microvascular effects of vasopressors Rendani Tshitangano	Organisational aspects to improve qualty of care Javier Perez Fernandez	11h45 - 12h00	How would you integrate ONSD into your centre's TBI protocol? Nomusa Shezi	Ventilator Associated Infection update Lucy Dolo	Fat and frial: Dealing with sarcopenic obesity in the clinical setting Engela Francis
12h00 - 12h15	Septic myocardial dysfunction Jacqui Brown	Antifungal stewardship Cahlia Naested	12h00 - 12h30	Post cardiorespiratory arrest prognostication - Moving away from adult derived benchmarks Sbekezelo Hlophe	ABG analysis Neil Williams	The Gut's time zone: Aligning clinical nutrition with circadian biology Vanessa Kotze
12h15 - 12h30	Post cardiac arrest: Prognostic evaluation Ezile Ninise	Improving the quality of post-ICU care Elizabeth van der Merwe				Can AI serve up smarter nutrition in the ICU? Nadiya Ahmed
12h30 - 12h45	Session Discussion	Session Discussion	Session Discussion		Session Discussion	Session Discussion
12h45 - 14h00	LUNCH SYMPOSIUM Difficult to treat infections in paediatrics: Treatment approaches in LMIC settings Heather Finlayson Sponsored by: Pfizer					VENUE: MR22
12h45 - 14h00	LUNCH BREAK					IN EXHIBITION HALL
12h45 - 14h00	ABSTRACTS - DIGITAL POSTER PRESENTATIONS					IN EXHIBITION HALL

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Venue	HALL 2C	HALL 2D		HALL 2E		MR 11	MR 12
14h00 - 15h45	Wind in our sails - Optimising ventilation Chairs: Busi Mrara Malcolm Miller	Fireside chats Chair: Komalan Govender		Abstracts - Oral Presentations		Nursing Chair: Lucy Dolo	SASPEN: Little things matter Chairs: Madeleine Coetzee Vanessa Kotze
14h00 - 14h15	Monitoring respiratory effort Malcolm Miller	14h00 - 14h35	Ethics of AI (Ethics) Anthony Gordon Moderator: Michael Pienaar	14h00 - 14h15	Workplace Adversity: Challenges Faced by South African ICU nurses Candice Bowers	Traumatic brain injury Cynthia Mabaso	Micronutrients in critical illness: evidence and practical approaches Arthur van Zanten
14h15 - 14h30	Do new ARDS criteria make a difference? Usha Lalla			14h15 - 14h30	Noise levels in intensive care units at Charlotte Maxeke Johannesburg Academic Hospital Daniela Brancato	Neurological assessment process Petra Brysiewicz	The ascorbic argument: What is the evidence for vitamin C in the ICU? Nivisha Parag
14h30 - 14h45	Can ultrasound guide ventilator settings? Robert Wise			14h30 - 14h45	Prevalence, Risk Factors and Outcome of Patients with Iatrogenic Withdrawal Syndrome in a South African Paediatric ICU Elise De Kock	Principles of neuroprotection Thabsile Majola	Daily dose of sunshine in the ICU: Helpful or hype? Engela Francis
14h45 - 15h00	Beyond VILI - Other ventilator associated injuries Kennedy Nyamande	14h35 - 15h10	Paediatric critical care in SA Andrew Argent Brenda Morrow Moderator: Kuban Naidoo	14h45 - 15h00	Evidence informed workplace wellness guidelines to support nurses who experience substance abuse in the Eastern Cape, South Africa Juanita Espach	Use of physical restraints in ICU Kanthi Basdeo	Iron-ically complicated: Iron metabolism in critical illness Omy Naidoo
15h00 - 15h15	A perennial problem Mervyn Mer			15h00 - 15h15	Anchoring family involvement in critical care: development and validation of a multicomponent intervention for mechanically ventilated patients with delirium Cherry Efe Iyiola	Thrombolytics in acute stroke Isabel Coetzee-Prinsloo	Thiamine: The quiet hero in critical care Bojan Korda
15h15 - 15h30	Weaning ventilation: When can diuretics help Gitesh Allopi	15h10 - 15h45	ECMO in SA - Where are we? Shiraz Bhamjee Dave Thomson Moderator: Kim de Vasconcellos	15h15 - 15h30	Are nursing infusion practices delivering full-dose antimicrobial treatment? Joan Rout	Update on oral hygiene in ICU Ellen Le Roux	Gut instinct: Micronutrients, microbiomes and the butterfly effect in ICU Logesh Govender
15h30 - 15h45	Session Discussion			15h30 - 15h45	The effect of amino acid supplementation and mobilisation on skeletal muscle during the late acute phase of critical illness Lizl Veldsman	Session Discussion	Session Discussion
15h45 - 16h15	REFRESHMENT BREAK - IN EXHIBITION HALL						
16h15 - 17h30	PLENARY ICU ANONYMOUS DEAN GOPALAN						VENUE: HALL 2CDE
17h30	CCSSA AGM						VENUE: HALL 2CDE
19h00	SPEAKERS' DINNER / NETWORKING EVENING						

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06h45 - 08h00		REGISTRATION							
BREAKFAST SYMPOSIUM									
07h00 - 08h00		Breakfast Symposium 1 Anchored in innovation: Advancing medical nutrition therapy from molecule to meal Suveena Bisetty Mico Price VENUE: MR12 <i>Sponsored by: Abbott</i>				Breakfast Symposium 2 Anticoagulation strategies in CRRT with focus on Citrate Robert Pohlmeier VENUE: MR22 <i>Sponsored by: Fresenius Medical Care</i>			
08h15 - 10h00		ANCHORING CRITICAL CARE IN EXCELLENCE VENUE: HALL 2CDE							
08h15 - 08h35		Excellence - What is it?							Victor Vaz
08h35 - 08h55		Excellence in critical care nursing							Andrea Marshall
08h55 - 09h15		Excellence in critical care nutritional support							Renée Blaauw
09h15 - 09h35		Excellence in critical care research							Anthony Gordon
09h35 - 09h55		In pursuit of excellence							Mervyn Mer
09h55 - 10h00		Session wrap							
10h00 - 10h45		REFRESHMENT BREAK - IN EXHIBITION HALL							
Venue		HALL 2C		HALL 2D		HALL 2E		MR 11	MR 12
10h45 - 12h45		Sailing through sepsis Chairs: Gladness Nethathe Theroshnie Kisten		Speed debating Walking the plank Chair: Kim de Vasconcellos		Paediatrics Chairs: Sbekezelo Hlophe Zohra Banoo		Nursing Workshop Chair: Belinda Karstens	SASPEN: Nutritional challenges Chairs: Renée Blaauw Lizl Veldsman
10h45 - 11h00		SOFA Score: Need for a new chapter? Fathima Paruk		10h45 - 11h15	Early enteral nutrition should be mandatory for all in ICU David Fredericks Robert Wise	10h45 - 11h00	POCUS Revolution – The modern stethoscope in the PICU Shivani Singh	This half day workshop will cover renal physiology, acute kidney injury and the types of renal replacement therapies: IHD, CRRT and SLEDD. The workshop format will be a combination of lectures, practical demonstrations and practice. Ellen Le Roux Nothile Mdletshe	Feeding the failing kidney: Nutritional strategies and pitfalls in acute kidney injury Brett Cullis
11h00 - 11h15		When to consider immunoglobulin in sepsis Theroshnie Kisten				11h00 - 11h15	Precision in every drop – elevating paediatric fluid stewardship Pheladi Mashiloane		Feeding the failing liver: Nutritional challenges in hepatic failure Madeleine Coetzee
11h15 - 11h30		New BLICs - where are we in SA? Chetna Govind		11h15 - 11h45	Frailty is a fair index for ICU admission Satish Bhagwanjee Raazik Gani	11h15 - 11h30	Beyond Hb - Rethinking transfusion in PCC Larisha Pillay		Feeding the breathless: Nutrition support in respiratory disease Tanna Cohen
11h30 - 11h45		Metabolic resuscitation in sepsis Kuban Naidoo				11h30 - 12h00	Admit or deny admission of SAM patient to the PICU? Shuaib Kauchali		Sweet science: Managing glucose control in the ICU Katy Begg
11h45 - 12h00		Biomarkers for adjunctive therapies for sepsis Gladness Nethathe		11h45 - 12h15	All intubated patients need chest physio Sabrina Eggmann Alison Lupton-Smith	12h00 - 12h15	Harnessing AI to predict shock trajectories in PCC Shamiel Salie		Feeding the powerhouse: Nutritional strategies for supporting mitochondrial function Hussein Cassimjee
12h00 - 12h15		Sepsis: Lessons from rheumatology Jacqui Brown				12h15 - 12h30	Adapting advance resuscitation simulation in LMIC Martie Wege		Guarding the gut: Using enteral nutrition to prevent stress ulceration in critical care Lizl Veldsman
12h15 - 12h30		Role of echinocandins as firstline treatment Matlawene Mpe		12h15 - 12h45	AI should make clinical triage decisions in ICU Kamlin Ekambaram Michael Pienaar	Session Discussion			Post-ICU nutrition: The window of opportunity Arthur van Zanten
12h30 - 12h45		Session Discussion				Session Discussion			Session Discussion
12h55 - 13h50									Nurse's Forum Session Busi Bhengu
12h45 - 14h00		LUNCH SYMPOSIUM Ethical and legal considerations in critically ill adult and pediatric care (Ethics) Alton Samuels <i>Sponsored by: Pfizer</i>							VENUE: MR22

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12h45 - 14h00	ABSTRACTS - DIGITAL POSTER PRESENTATIONS								IN EXHIBITION HALL	
12h45 - 14h00	LUNCH BREAK								IN EXHIBITION HALL	
Venue	HALL 2C	HALL 2D		HALL 2E		MR 11		MR 12		
14h00 - 15h45	Potions and provisions: Exploring the medicine chest Chairs: David Fredericks David Thomson	Panel discussion (Ethics) Chairs: Brenda Morrow Malcolm Miller		Abstracts - Oral Presentations		Nursing Chair: Cynthia Mabaso		SASPEN: Case study discussion Chairs: Tanna Cohen Engela Francis		
14h00 - 14h15	Do statins have a role in TBI? David Fredericks	14h00 - 15h00	Research ethics Timothy Hardcastle Andrea Marshall Busi Mrara Fathima Paruk Juan Scribante Dhivendra Singh Moderator: Brenda Morrow	14h00 - 14h15	Punching above its weight: how New Zealand boosted deceased organ donation through national coordination and local clinician empowerment. Kim Grayson	14h00 - 14h15	Career opportunities for the ICU nurse Mokgadi Matlakala	14h00 - 15h00	Multidisciplinary approaches to managing inflammatory bowel disease with home parenteral nutrition: an interactive case discussion Anna-Lena du Toit Arthur van Zanten Madelein Coetzee	
14h15 - 14h30	Pharmacological options in endothelial protection Diran Pillay			14h15 - 14h30	Exploring family involvement in the care of critically ill patients with delirium: a qualitative study Cherry Efe Iyiola					
14h30 - 14h45	Antimicrobial dosing on RRT Shahed Omar			14h30 - 14h45	The effectiveness of music listening and exercise as a therapeutic intervention in cardio-thoracic surgery patients: A scoping review Varshika Bhana-Pema	14h15 - 15h30	Panel Discussion: Stress & anxiety among ICU nurses & coping strategies Kanthi Basdeo Thabsile Majola Tascha Meredith			
14h45 - 15h00	Should coagulation factor concentrate replace plasma? Moraa Abuya			14h45 - 15h00	Right Ventricular Dysfunction Score in Prognostic Evaluation of Patients with Sepsis & Septic Shock Bikash Ranjan Ray					
15h00 - 15h15	ICU considerations of biologics Arisha Ramkillawan	15h00 - 15h45	ICU organisation and private practice Shiraz Bhamjee Seshen Govender Manqoba Mazibuko Richard Siebert Moderator: Malcolm Miller	15h00 - 15h15	Carbapenem infusion preparation and administration process errors Joan Rout	15h30 - 15h45	Session Discussion	15h00 - 15h15	Session Discussion	
15h15 - 15h30	Angiotensin II for which patients? Nhlakanipho Shabalala			15h15 - 15h30	The African Critical Illness Outcomes Study (ACIOS): A point prevalence study of critical illness in 22 nations in Africa Juan Scribante			15h15 - 15h45	SASPEN AGM	
15h30 - 15h45	Session Discussion									
15h45 - 16h15	REFRESHMENT BREAK - IN EXHIBITION HALL									
16h15 - 17h30	PLENARY ICU SURPRISE SESSION ROBERT WISE VENUE: HALL 2CDE									
17h30 - 18h00	PRIVATE PRACTICE MEETING CHAIR: RICHARD SEIBERT VENUE: HALL 2D									
19h00	CELEBRATION DINNER VENUE: HALL 1									

PROVISIONAL SCIENTIFIC PROGRAMME
SUNDAY, 17 AUGUST 2025

CPD

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CEU points: 26
Ethics points: 6

06h45 - 08h30	REGISTRATION		
Venue	HALL 2C	HALL 2D	HALL 2E
08h30 - 10h00	The critical compass: Finding true north Chairs: Satish Bhagwanjee Robert Wise	Captains Log: Practical tips for... Chairs: Alison Lupton-Smith Rendani Tshitangano	Paediatrics Chair: Zohra Banoo
08h30 - 08h45	The drug that changed my practice Anthony Gordon	Testing brain death David Thomson	Vit C, thiamine and steroids - The SEPSIS cocktail - Magic cure or mixed signals in PCC? Lincoln Solomon
08h45 - 09h00	The device that changed my practice Satish Bhagwanjee	Managing enteral feed intolerance Anna-Lena du Toit	Colistin revisited: Savior or self sabotage? Mohendran Archary
09h00 - 09h15	The article that changed my practice Guy Richards	Improving communication with the patient Zainub Jooma	Antibiotic stewardship in the PICU: Shorter courses, for better or worse outcomes? Fathima Naby
09h15 - 09h30	The talk that changed my practice Kim de Vasconcellos	Using mobilisation to improve outcomes Sabrina Eggmann	Anchoring new evidence: The impact of biomarkers in PCC Sbekezelo Hlophe
09h30 - 09h45	The case that changed my practice Mervyn Mer	Making your ICU green Tobisa Fodo	Is the phoenix sepsis score ready for global use? – Validation in LMIC Mark Peters
09h45 - 10h00	Session Discussion	Session Discussion	Session Discussion
10h00 - 10h45	REFRESHMENT BREAK - IN EXHIBITION HALL		
10h45 - 12h45	PLENARY ALL ABOARD THE ETHICAL COMPASS! NAVIGATING THE MURKY WATERS OF ICU (ETHICS) FATHIMA PARUK VENUE: HALL 2CDE		
12h45	CLOSE OF CONGRESS RENÉE BLAAUW KIM DE VASCONCELLOS DEAN GOPALAN		