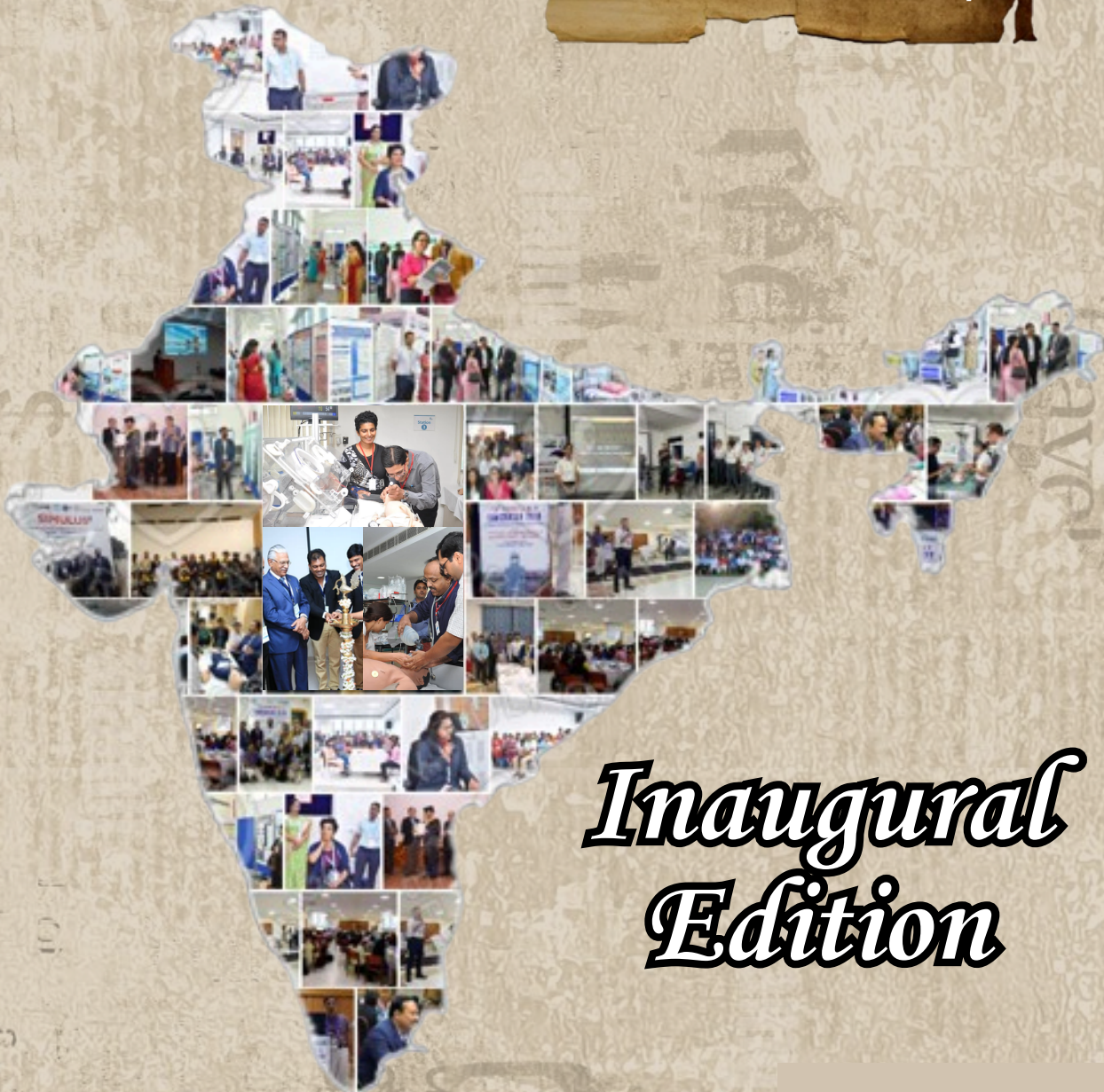




SIMPULSE

e-magazine
Pan India Simulationship



*Inaugural
Edition*

Volume 1, August 2024 Issue

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Message from President

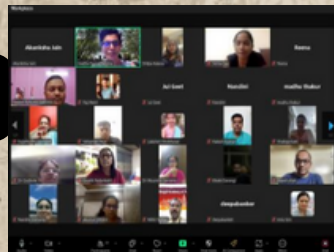


From Secretary's Desk



Latest and Upcoming Events

Capacity Building Session



Journal Review

SIM Trick of the months

SIMULATION TIPS

"To ensure learner readiness for simulation, consider implementing a ticket to enter the experience once preparation activities have complete"

A hand holding a blue and white ticket with text and a QR code.

Interview with Simulation Legend

Humour in Simulation



MESSAGE FROM PRESIDENT



Dr. Vijayanand Jamalpuri

It is my pleasure to announce the first edition of PediSTARS magazine, "SimPulse." For over 10 years, PediSTARS has been dedicated to promoting healthcare simulation across India. We have made significant progress, moving from initial acceptance to widespread adoption of simulation among healthcare professionals. We have successfully introduced and run a series of clinical provider courses across India. Our faculty development program has evolved over the last decade, gaining global attention for its cost-effectiveness and strong mentorship, comparable to fellowship programs.

This achievement was made possible with the support of our national and international mentors, various national institutes, professional bodies, and international simulation societies such as IPSS, INSPIRE, and SSH.

Now, it's time to share our work through SimPulse. The magazine aims to be the heartbeat of the PediSTARS community, keeping us updated on healthcare simulation.

"Simulationship is a relationship among simulation enthusiasts to connect, collaborate, and partner to improve healthcare. Essentially, it's a friendship among healthcare simulation enthusiasts to share knowledge and support each other. I believe SimPulse will foster simulationship, positioning us as leaders in healthcare simulation through mutual learning."

We plan to release the magazine every four months. The first edition of SimPulse features several sections, from interviews with simulation experts to upcoming events. I believe it will be an excellent read for healthcare simulation enthusiasts not only in India but worldwide.

On behalf of the PediSTARS team, I thank our founders, national and international advisors for driving us to progress steadily in our mission to enhance clinical outcomes through healthcare simulation. I also extend my gratitude to all the authors who contributed to "SimPulse" on short notice.

We welcome your ideas and suggestions to further improve the magazine. Please share your feedback or questions with us at simpulse.pedistars@gmail.com.

Happy reading!

FROM SECRETARY'S DESK

Dr Maninder Singh Dhaliwal

Welcome to SIM-Pulse: The Official Newsletter of
PediSTARS

Dear PediSTARS Members,

We are thrilled to introduce SIM-Pulse, our new newsletter dedicated to keeping you informed and engaged with the latest advancements, news, and events in the field of healthcare simulation.



In each issue of SIM-Pulse, you can look forward to:

- Feature Articles / Journal club: In-depth explorations of innovative simulation techniques and technologies.
- Member Spotlights: Interviews and stories highlighting the achievements and contributions of our members.
- Upcoming Events: Information on conferences, workshops, and webinars tailored for pediatric simulation professionals.
- Research Updates: Summaries of recent studies and publications relevant to our community.
- Tips and Best Practices: Practical advice to enhance your simulation practices.

A Brief History of PediSTARS: PediSTARS (Pediatric Simulation Training and Research Society of India) was founded with a vision to enhance overall healthcare through simulation-based education and research. Over the years, PediSTARS has grown into a vibrant community of healthcare professionals, educators, and researchers dedicated to improving healthcare in all fields (both public and medical). Our society has achieved several milestones, including:

establishing comprehensive training programs, hosting conferences – workshops, fostering research, and building a supportive network.

SIM-Pulse aims to be more than just a newsletter; it is a platform for sharing knowledge, fostering collaboration, and celebrating the incredible work within our society. We encourage you to contribute your ideas, articles, and feedback to help make SIM-Pulse a valuable resource for all members.

Thank you for your continued dedication to advancing medical simulation. We look forward to embarking on this exciting journey with you and making SIM-Pulse a vibrant and informative publication.

Warm regards,

Dr Maninder Singh Dhaliwal
Secretary, PediSTARS



SIMULUS-9

Pursue Perfection Through Simulation

9th Annual National Conference of PediSTARS on Healthcare simulation

Venue :

Bharati Vidyapeeth Deemed University Medical College and Hospital, Pune

Pre-Conference Workshops : 31st August, 2024

Conference
1st September, 2024

Faculty Development Program
2nd and 3rd September, 2024

MASTER - Master of Advanced Simulation
Technology & Operations Expertise (SimOps)
2nd September, 2024

For Conference & workshop details & registration, please visit us at

www.simulus9.in

Or Call Dr Nandini Malshe: 9822850716 / Dr Bhakti Sarangi: 9823746976

Early Bird Registration ends on 31st May, 2024.

So hurry up and register Now!

UPCOMING EVENTS

Simulus 9 is arguably the biggest simulation training organisation in India with international recognition and world class trainers – a chance

to be a part of the biggest nationwide healthcare simulation extravaganza at Bharati Vidyapeeth Deemed University Medical College and Hospital, Pune between August 31st and 3rd of September, 2024.

The era of simulation based training is transforming healthcare systems around the world. Medical education is evolving everyday and adopting simulation based learning is a pivotal part of the process of creating a competent Indian medical graduate as on today.

It is an unique opportunity to understand the various facets of simulation in healthcare as well as their clinical application.

SIMILUS-9 will offer a medley of workshops on pediatric and neonatal emergency care, critical care nursing, competency based curriculum

development, neonatal, pediatric as well as adult SimWars- an inter-disciplinary competition for post-graduate students, fellows and nurses happening on 31st August followed by the conference on 1st of September, 2024. The icing on the cake will be the flagship program of PediSTARS – the faculty development program (FDP) – to be held on 2nd and 3rd of September, 2024. The FDP offers a journey of training potential national faculty in the art of simulation to ensure maximum benefit to all the simulation enthusiasts not only across the country, but even beyond.



EVENTS HAPPENED IN LAST 3 MONTHS

This is what happens when discipline meets discipline and protocol meets protocol: PediSTARS collaborates with Armed Forces Medical College (AFMC) in Pune. The recent STEP and NeoSim workshops exemplified this synergy, starting and finishing precisely on time, with back-up plans activated seamlessly. The event was meticulously organized, and participants engaged enthusiastically throughout.

The workshops began with ice-breaking sessions, including a ball game, paper roll activity, stand-up interaction, and a quiz, setting a positive tone for the event. These activities not only energized the participants but also fostered a collaborative spirit, making the sessions more interactive and enjoyable.

One of the highlights of the workshop was the implementation of go-green initiatives. Participants were encouraged to use water bottles, and plastic cups were entirely avoided, showcasing a commitment to environmental sustainability. This initiative was well-received and appreciated by all attendees.

Overall, the workshops were an overwhelming success, with both facilitators and participants having an enriching experience. The collaboration between PediSTARS and AFMC highlighted the importance of discipline, protocol, and teamwork in achieving excellence.

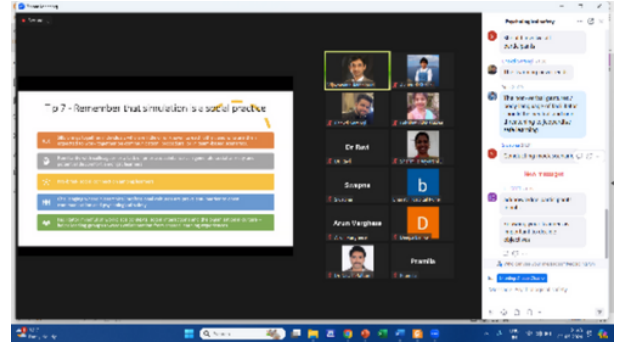
We extend our heartfelt appreciation to Team AFMC for their initiative and dedication. Your efforts made this event truly memorable.



SIMULATION AND RESEARCH TRAININGS

Psychological Safety (3rd May, 2024)

Definition, importance of psychologically safe environment and how to achieve it during various phases of simulation – before pre-brief, during pre-brief, during simulation and during debrief was discussed.



Demystifying RCDP with Betsy Hunt (10th May, 2024)



24 participants

Video by Betsy Hunt on RCDP: Why, when and how to debrief seniors who are novice to topic – pause and discuss method. Curriculum creation with 4 phases by identifying hard stops.

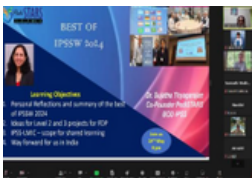
Building a simulation Program (17th May, 2024)

62 participants

Discussed key principles when commencing a simulation program – needs assessment, learning objectives, resources available, curriculum design (pilot, implement, debrief, re-evaluate).



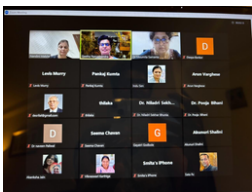
Best of IPSSW 2024 (24th May, 2024)



21 participants

Podhini & Nihar – new INSPIRE fellows

Emotional Safety of SPs, Open AI/Chat GPT to create scenarios and talk like patient, research from India should improve, escape room, iterative simulation from John Hopkins, Pakistan bootcamp on codeblue, scaffolding strategies.



Matching realism with learning outcomes (7th June, 2024)

Definition of realism, technology doesn't equal fidelity, importance of learning objectives and the level of trainees to be considered while designing the level of fidelity, consider cost-benefit and ROI, high level of fidelity/technology may increase cognitive load to the point of overwhelming the participant thereby decreasing learning.



Optimizing CPR performance through CPR coaching (14th June, 2024)

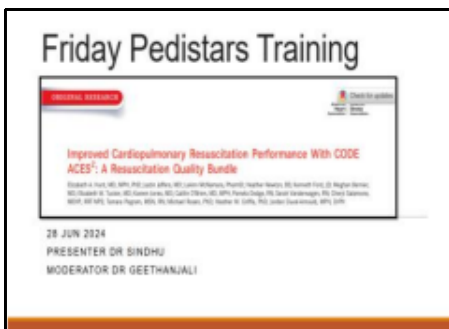
30 participants

Dr Sindhu: High-quality CPR – What, Why, How was discussed. Monitoring feedback – physiological response of patient and rescuer performance feedback by electronic feedback device and CPR coach.

Dr Rajesh: discussed the article “Optimising CPR performance with CPR coaching for pediatric cardiac arrest: A randomised simulation-based clinical trial”.



Improving CPR performance with CODE ACES: A resuscitation quality bundle (28th June, 2024)



26 participants

The article was discussed – a prospective observational study where CC quality for pediatric cardiac arrests were studied and a resuscitation quality bundle was developed and implemented.

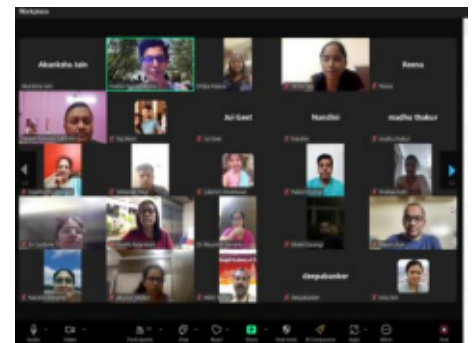
3 phases of development of the bundle, 7 elements of CODE ACES2 were discussed.

Orientation to INSPIRE-ALERT research presentation (5th July, 2024)

35 participants

What is an ALERT presentation, how to prepare the abstract, when and how to submit was discussed.

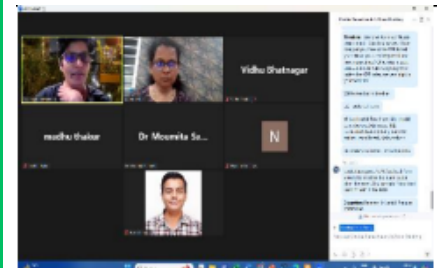
Dr Nihar and Dr Smita presented their ALERT proposals.



ALERT final reviews meeting (9th July, 2024)

8 participants

Those mentees who wished to submit ALERT proposal presented their abstract for 5 minutes and this was followed by feedback on how to improve the script, how to incorporate KP3 and KP4 levels into the project, ideas for research project and practical problems in doing a research.



Abstract Simulus meeting & level 3 research meeting (12th July, 2024)

26 participants

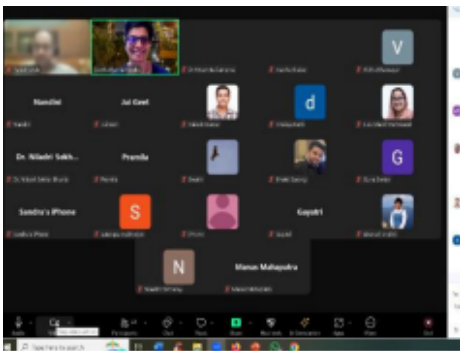
Both presenters discussed their abstracts which were presented in Simulus 8 as poster

Plus and delta of both poster abstracts were discussed to focus on how to do a good study and how to write a good abstract.

Points on how to improve!

- Dr Praga Bhatia: For our presentation, we want to thank Dr. Manisha also for guiding us
- Manisha July 21:40
Continue to get feedback for improvement
- Manisha Sarangi 21:40
It's not a 100% successful presentation
- Lulu Shree Nigamreddy 21:40
Mention the following whenever possible in your methods: Study Design, Recruitment (Recruitment or exploration, Study population) (Data collection sources) from faculty or learners or patient records, Sample size, Interview or semi-structured recording etc., Study analysis, Quantitative statistics or Qualitative Thematic analysis. Mention these headings on the presentation whenever possible even if it's a correct order of what you plan to do.
- Dr. Praga Bhatia 21:40
Translating our work of level 2 and 3 to KP 3 level is very challenging
- Manisha Sarangi 21:40
Though presentations were represented well it could've been more elaborate maybe
- Man 21:40
Your good researches, very clear and uncluttered slides, content
- Objectives could be included.
- Manisha July 21:54
That was a valuable feedback. Thank you
- Content looks very good to get an invite guidance on research
- Manisha Sarangi 21:54
Thank Dr. Manisha for such an important points.
- Manisha July 21:54
I am doing pre and post analysis with Pradya batch members there

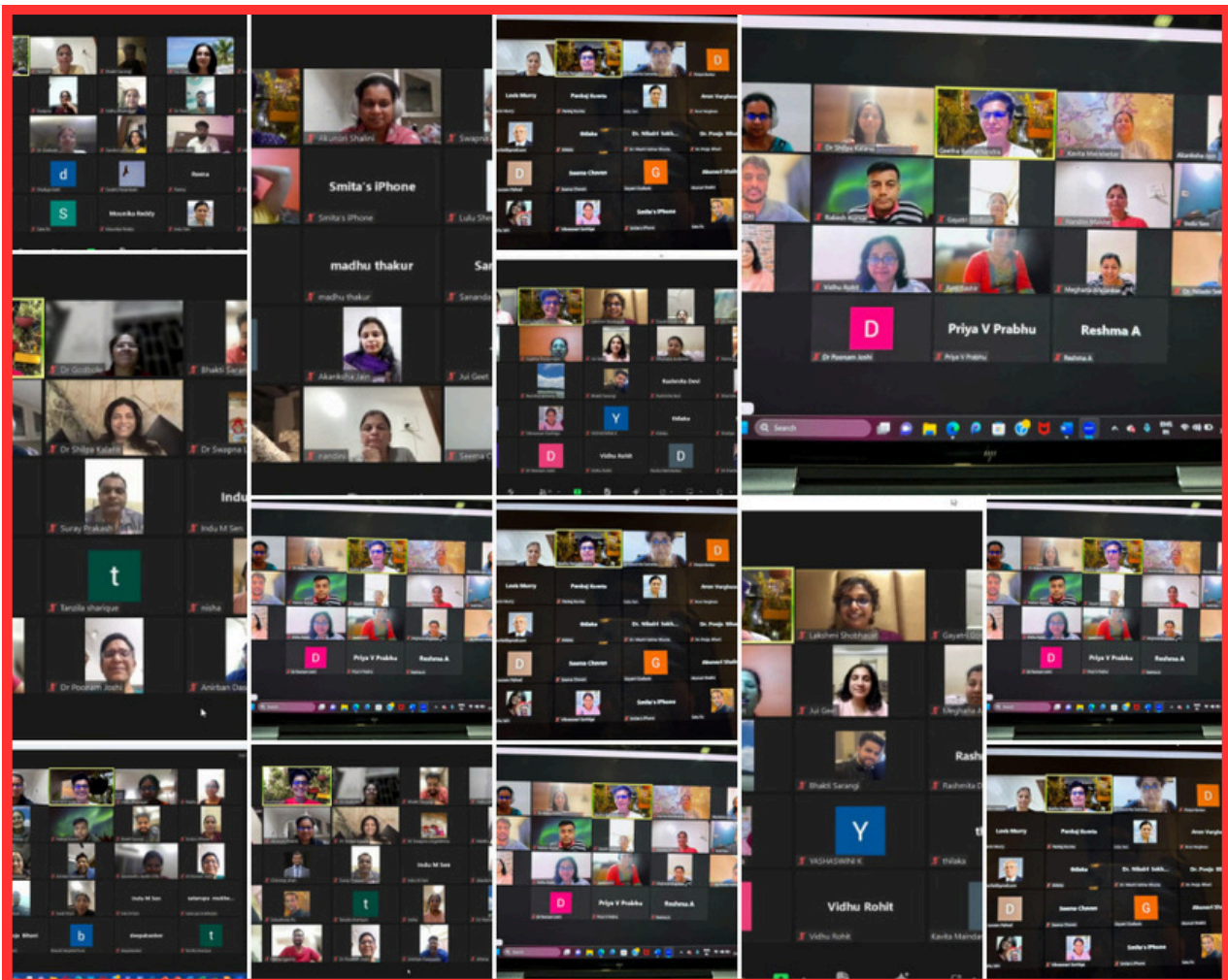
Research abstract meeting (19th July, 2024)



22 participants

All those mentees who wanted to present an abstract in Simulus 9 were invited to present their ideas.

Feedback was provided on how to convert simple teaching into research, how to convert KP1 to KP3, how to make simple things interesting.



JOURNAL WATCH

Dr Lulu Sherif Mahmood

Global consensus statement on simulation-based practice in healthcare



Citation for the article: Cristina, Diaz-Navarro; Robert, Armstrong; Matthew, Charnetski; Kirsty, Freeman J.; Sabrina, Koh; Gabriel, Reedy; Jayne, Smitten; Pier, Ingrassia Luigi; Francisco, Matos Maio; Barry, Issenberg. Global consensus statement on simulation-based practice in healthcare. *Simulation in Healthcare: The Journal of the Society for Simulation in Healthcare* 19(3):p e52-e59, June 2024. DOI: 10.1097/SIH.0000000000000804

Summary of the article: This statement was the result of an international collaborative effort, facilitated by the Society for Simulation in Europe (SESAM) and the Society for Simulation in Healthcare (SSH) with representatives from 50 simulation organisations (including Pedistars) distributed across 67 countries. The aim of the collaboration was to establish a consensus on the key priorities for the broad adoption of exemplary simulation practice that benefits patients and healthcare workforces globally and the intended audience included policymakers, healthcare organization leaders, health education institutions, and simulation practitioners. The themes for recommendations included advocating for the benefits of simulation, promoting its adoption and integration into daily healthcare learning and practice, expanding global reach with accessible low-cost, high-impact simulation methods, firmly upholding the principles of equity, diversity and inclusion, integrating into system improvement processes, garnering political, strategic and financial commitments from institutional and government levels, employing evidence-based quality assurance approaches that adhere to recognized standards of best practice within the context of faculty development, evaluation, accrediting, credentialing, certification, and research.

Commentary of the article: This article on the global consensus statement on simulation-based practice in healthcare by Diaz-Navarro et al. is a landmark document that provides comprehensive guidelines for the effective implementation and integration of simulation in healthcare education. By addressing key areas mentioned above, this statement sets a foundation for standardising and enhancing simulation-based practice globally. Though standardisation definitely has a profound implication on how we preach and practice simulation, and this article promotes the same, we must be mindful to consider the contextual variability when implementing simulation-based education, as it significantly influences its effectiveness. Another key area discussed in the article was ethical considerations, especially with regards to equitable access to simulation education. Even though the authors have stressed the need to identify affordable opportunities for simulation faculty development in low-resource settings, majority of the healthcare educators across disciplines lack access to quality assured capacity building and there is an imperative need to find solutions to meet this growing demand. These perspectives highlight the importance for global guidelines to be adaptable to local contexts and it underscores the complexity of implementing simulation-based education suggesting that a one-size-fits-all approach may not be optimal for all settings.

SIMULATION TIPS

“To ensure learner readiness for simulation, consider implementing a “ticket” to enter the experience once preparation activities have complete”



SIMULATION TIPS

“In the process of creating simulation scenarios that are appropriate and respectful, work with cultural specialists and ethical counsellors.”

Case Scenario on High-Tech Full Body Manikin



Case Scenario on Airway Trainer & Doll in OR



Case Scenario on Full Body Manikin in PACU



Full body Manikins are Ideal Devices for SIM Training. However, Budget Constraints should not affect Education & Training e.g. Task Management can be practiced on Airway Trainers, Team Dynamics, BBN & Shared decision making on low technology Doll by using various aids easily available in Operating areas

HUMOR IN SIMULATION

