

## List and Biography of Proposed Guideline Development Group Members

<b>Beatrice Amadi</b>	
<b>Institutional Affiliation</b>	University Teaching Hospitals, Children's Hospital Tropical Gastroenterology and Nutrition Group (TROPGAN)
<b>Academic Degrees</b>	Postgraduate Diploma, Paediatric Gastroenterology, Master of Medicine (Paediatrics), Doctor of Medicine
<b>Biography:</b> <p>Dr Amadi obtained a general medical degree from Kharkov State Medical Institute in Ukraine in 1983 and thereafter joined the Ministry of Health in Zambia. She obtained a Master of Medicine in general paediatrics in 1994 from the University of Zambia, School of Medicine. Then, she undertook a one-year training and obtained a postgraduate diploma in paediatric gastroenterology in 1996 from the Royal Free School of Medicine, University of London, UK.</p> <p>She has over 20 years of work experience in the management of severely malnourished children. One of the major successes has been improved outcomes in admitted severely malnourished children due to prudent fluid management and improved 24/7 monitoring during rehydration and management of shock.</p> <p>Dr Amadi is a lead trainer of under-and post-graduate medical students, student nurses, and health workers in Zambia. She has conducted several trainings in-country and within Africa on the management of severe acute malnutrition.</p> <p>She has participated in the past WHO Guidelines Development Group on the management of severe acute malnutrition and is a member of the current and ongoing Guidelines Development Group on Wasting in children. She is a researcher and has published several papers in peer-reviewed journals on various aspects of childhood malnutrition.</p>	
<b>Andrew Argent</b>	
<b>Institutional Affiliation</b>	University of Cape Town, and Red Cross War Memorial Children's Hospital.
<b>Academic Degrees</b>	MBBCh, MMed(Paediatrics), MD(Paediatrics), DCH(SA), FCPaed(SA)
<b>Biography:</b> <p>Dr Argent has done his undergraduate and postgraduate paediatric training at the University of the Witwatersrand complex in Johannesburg. He moved to the Red Cross War Memorial Children's Hospital (RCWMCH) in Cape Town in 1988 where he completed training in Paediatric Pulmonology and Critical Care. From then until 2020, he worked in the Paediatric Intensive Care Unit (PICU) at the RCWMCH (with short periods in PICU in the UK. Professor of Paediatrics and Child Health at the University of Cape Town from 2018 to 2020.</p> <p>From 2000 to 2019, Dr Argent directed the APLS(UK) courses in South Africa and helped with the development of the APLS manual as part of the ALSG working group. Part of the working group that developed the Paediatric BASIC course (Basic assessment and intervention in ICU). He has subsequently developed and run ventilation courses.</p> <p>Dr Argent worked on recommendations for the management of the critically ill child with the WHO. Over the last decade, he has been in working groups on the use of blood products (TAXI collaboration); Paediatric Surviving Sepsis campaign; the SCCM Pediatric Sepsis definitions working group. He has published several chapters in textbooks related to the management of fluids and electrolytes in critically ill children, as well as been involved in research on the topic. He has a particular interest in the provision of paediatric critical care in resource limited settings.</p>	
<b>Gillian Birchwood</b>	
<b>Institutional Affiliation</b>	The Queen Elizabeth Hospital, Barbados and The University of The West Indies, Cave Hill Campus, Barbados
<b>Academic Degrees</b>	MB.BS, FAAP

**Biography:**

Dr Birchwood is a paediatrician and neonatologist. She did Paediatric residency at the Brooklyn Hospital Centre (affiliated with Cornell University) in New York. She then completed a neonatal fellowship at the University of Medicine and Dentistry of New Jersey. Dr Birchwood returned to Barbados where she is the Director of the Neonatal Unit at the Queen Elizabeth Hospital, a 24-bed Level 3 NICU. She is also an Associate Professor in Child Health at The University of The West Indies involved in training both medical students and paediatric residents, and supervising research projects.

Dr Birchwood has worked widely in the Caribbean region promoting and supporting newborn care. She has developed country guidelines for aspects of newborn care both nationally and regionally in the Caribbean. Since 2014, she has also been a Regional Neonatal Advisor for Perinatal Outcomes in the Caribbean with the Pan American Health Organization. This team conducts country-wide neonatal and obstetric care audits and makes recommendations for the improvement of maternal and neonatal care at a national level.

**Aqsa A. Durrani**

<b>Institutional Affiliation</b>	Columbia University, World Health Organization, Médecins Sans Frontières
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<b>Academic Degrees</b>	MD, MPH
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**Biography:**

Dr Aqsa Durrani is a physician and epidemiologist with a public health focus on humanitarian emergency response and a clinical focus on pediatric emergency and critical care. She completed a pediatrics residency program at New York University and is currently a postdoctoral fellow in pediatric critical care and global health at New York Presbyterian-Columbia University in New York, USA. She received her bachelor's degree from New York University, her Master of Public Health (MPH) degree from the University of Pennsylvania, and her Doctor of Medicine (MD) degree from the University of Illinois. She is board certified by the American Board of Pediatrics. For more than a decade, she has also worked in various under-resourced settings around the world, including Sierra Leone, Afghanistan, Pakistan, Lebanon, and Jordan, to improve the provision of health services, including pediatric emergency and critical care, in acute and complex humanitarian emergencies. She is a former Fulbright Scholar, awarded for her work surrounding the reduction of mortality in post-conflict settings. She has extensive frontline clinical, educational, and strategic emergency response planning experience with multiple organizations, including Médecins Sans Frontières, the UN Refugee Agency, and the World Health Organization.

**Niranjan Kissoon**

<b>Institutional Affiliation</b>	University of British Columbia
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<b>Academic Degrees</b>	MBBS
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**Biography:**

Professor Kissoon has a background in pediatric critical care, emergency medicine, and global health. He was a member of the previous guideline group at the WHO addressing fluid resuscitation in critically ill children. He is also the co-chair of the Surviving Sepsis Campaign Guidelines group addressing Management of Sepsis and Septic Shock (where they had a thorough literature review and extensive discussions on fluid management) which was published in 2020. Dr Kissoon retains this position and is involved in revising the guidelines. He has also studied the response to fluids in critically ill septic children in resource-poor settings and contributed to the knowledge base as a result of several publications. He is also a member of the WHO guideline group for clinical management of COVID-19

patients.	
<b>Rakesh Lodha</b>	
<b>Institutional Affiliation</b>	Professor, Department of Pediatrics, All India Institute of Medical Sciences, New Delhi, India
<b>Academic Degrees</b>	MBBS, MD (Pediatrics)
<b>Biography:</b> Dr Lodha has trained in Pediatrics at the All India Institute of Medical Sciences, New Delhi, INDIA, and is a faculty member since the year 2000. His main areas of work are pediatric intensive care and infectious diseases. He has worked in the areas of sepsis, severe sepsis, healthcare-associated infections, severe infections, and pneumonia in children. Our group has conducted systematic reviews to assess optimal fluid therapy in severe sepsis/ septic shock; determine signs of sepsis; oral vs parenteral antibiotics for pneumonia. I am a member of a Pediatric Sepsis Definitions Taskforce of the SCCM. He is also a member of the Global Burden of Diseases group.	
<b>Ian Kristen Maconochie</b> (unable to attend the scoping meeting)	
<b>Institutional Affiliation</b>	Paediatric Emergency Medicine, Imperial Healthcare NHS Academic Lead across all ED sites at Imperial College Clinical Advisor to NHS E I CYP team Associate Medical Director Patient Safety, Imperial Healthcare NHS
<b>Academic Degrees</b>	FRCPC FRCPI FRCER FERC PhD
<b>Biography:</b> Dr Maconochie has been the ILCOR co-chair for Paediatrics for 10 years, and sits on the Scientific Advisory Group, having just been elected Vice Chair of the ILCOR Conflict of Interest Committee. He has been an ERC Board member and co-chair of the Scientific Advisory Committee for Paediatrics. He has been with the Resuscitation Council UK paediatric group member since 1992 and has been appointed as the Hon Sec Resuscitation Council in 2019. He instigated the setting up of the Association of Paediatric Emergency Medicine for the UK and Ireland (APEM), and in training for the UK and European curricula for paediatric emergency training and is past President of the Research arm of APEM, and for the Paediatric Emergency Research Network UK and Ireland. He has been a Visiting Professor at Queen Margaret Children's Hospital in Perth, Australia; is an Honorary Associate Professor at the University of Cape Town, South Africa, and Visiting Fellow at the Centre of Reviews and Dissemination, University of York. He was also the Registrar of the Royal College of Paediatrics and Child Health (RCPC) from 2012-2017. He has authored over 300 peer-reviewed papers, and reports and advised the Youth Justice Board. He was awarded Professor of Practice, in Paediatric Emergency Medicine at Imperial College, London, the first of its kind in the United Kingdom in 2018.	
<b>Mary Paiva MP</b>	
<b>Institutional Affiliation</b>	Buka General Hospital - Autonomous Region of Bougainville Health Department, Papua New Guinea National Department of Health
<b>Academic Degrees</b>	Master of Medicine in Child Health (University of Papua New Guinea)
<b>Biography:</b> Dr Paiva Completed a Master of Medicine in Child Health with Honours at the University of Papua New Guinea (UPNG) in 2014. She has worked as a clinical paediatrician in three provincial hospitals in PNG in the last eight years. Her interests include clinical teaching and research. Currently, she is the focal person for adolescent health and well-being with the Paediatric Society of Papua New Guinea.	

<b>Roberta Petrucci</b>	
<b>Institutional Affiliation</b>	Médecins Sans Frontières
<b>Academic Degrees</b>	Master's degree in Tropical Paediatrics, Paediatric training, Medical degree
<b>Biography:</b> Dr Petrucci is a paediatrician with a background in clinical research and public health, working for 15 years in humanitarian paediatrics. She is currently the leader of the Médecins Sans Frontières International Paediatric Working Group. After completing training in paediatrics, she took a master's degree in paediatric tropical medicine at the Liverpool School of Tropical Medicine, where she also worked as a research assistant on diagnostic tools for paediatric tuberculosis. Since 2008 she works with Médecins Sans Frontières, mostly on projects related to paediatrics, neonatal care, and malnutrition. She has worked in more than 20 field missions in emergency and unstable contexts as a clinician, medical coordinator, and technical referent, in Sub-Saharan Africa, Latin America, the Middle East, and Europe. She also worked in outbreak response in several contexts, including Ebola, Measles, Dengue, Meningitis, and COVID-19. Since 2010 she is part of the MSF International Paediatric Working Group of which she took leadership in 2019. She participated in the writing of several MSF guidelines on paediatric and neonatal care as co-author and coordinator. She is also involved in the development of clinical management algorithm as a subject matter expert and the content owner.	
<b>Stephen D Playfor</b>	
<b>Institutional Affiliation</b>	Professor of Paediatric Critical Care Medicine, Royal Manchester Children's Hospital, UK
<b>Academic Degrees</b>	MBBS DM
<b>Biography:</b> Dr Playfor led the UK National Patient Safety Agency review on iatrogenic hyponatraemia following the death of a child referred to his unit. His review resulted in the issuance of Patient Safety Alert 22, "Reducing the risk of hyponatraemia when administering intravenous infusions to children". Implementation of this fundamental change in the administration of intravenous fluids to children in the UK ended the routine practice of administering hypotonic intravenous fluids and reduced the incidence of child deaths and permanent neurological morbidity due to iatrogenic hyponatraemia. In 2010 he led a review of intravenous fluid use in children for the Regulation and Quality Improvement Authority of Northern Ireland, across six counties. The subsequent report and recommendations served to align practice across the province. He was part of the WHO working party for Paediatric emergency triage, assessment, and treatment guideline published in 2016. He has published widely on the subject of intravenous fluids for children. He is the Intravenous Fluid Lead for Royal Manchester Children's Hospital and acted as a national and international spokesperson on the merits of balanced intravenous electrolyte solutions for children, educating clinical staff and sharing best practices.	
<b>Sunit Chandra Singhi</b>	
<b>Institutional Affiliation</b>	Professor, Senior Consultant, and Head, Department of Pediatrics, Amrita Hospital, Amrita Vishwavidhyapeetham, Faridabad, NCR, India (from 1st August 2022) - Professor Emeritus, Department of Pediatrics & Advanced Pediatrics Centre, Postgraduate Institute of Medical Education and Research, Chandigarh, India (from 2017)-Chairman, Division of Pediatrics, Medanta, the Medicity, Gurugram, India (From 2017)

<b>Academic Degrees</b>	MBBS, MD (Pediatrics), FIAP, FAMS, FICCM, FCCM(USA)
<b>Biography:</b> Professor Sunit Singhi served on the faculty of India's Premier Medical Institution, PGIMER, Chandigarh for over 33 years. He established India's first Pediatric Intensive care Unit and first post-doctoral Course in Pediatric Critical Care. He is an international leader in Critical Care and was President and Vice President of the World Federation of Pediatric Intensive and Critical Care Societies. Ranked among World's top 2% scientists by Stanford University, Prof Singhi's research covers fluid-electrolytes, neurocritical care, and the treatment of acute asthma, and childhood pneumonia. His work contributed to a better understanding of fluid-electrolyte balance and body-water homeostasis in newborns, bacterial meningitis, bronchiolitis, pneumonia, and septic shock, and influenced clinical practices and guidelines. He elucidated the association between transplacental fluid overload, neonatal jaundice, and transient tachypnea of newborns. He received 14 grants from the Indian Council of Medical Research, WHO, CCMRC, INCLEN, and Sweden and has authored 40 peer-reviewed publications, 70 textbook chapters, and 11 books. He served as an Associate Editor of PCCM and is a Section Editor- of Rogers' textbook Of Pediatric Intensive Care. In recognition of his work Prof Singhi received ICMR's Amrut-Mody Unichem Prize 2010, for Child Health (for studies on fluid-electrolytes), National Academy of Medical Sciences' KL Wig Award 2013, Swasth Bharat Samman – 2011, Claris Critical Care Oration Award –2003, Lifetime Achievement Awards, medals, orations, and best paper prizes including BMJ's South-East Asia Award for the Research paper of the year 2015.	
<b>Shalini Sri Ranganathan</b>	
<b>Institutional Affiliation</b>	Department of Pharmacology, Faculty of Medicine, University of Colombo, Sri Lanka (since 1996)
<b>Academic Degrees</b>	MBBS, MD (Paediatrics), DCH, MRCP (London), PhD (Cardiff, UK), Dip MedTox (Cardiff, UK)
<b>Biography:</b> Professor Sri Ranganathan is a Senior Professor in Pharmacology and a Specialist in Paediatrics. He has been trained in both Paediatrics and Clinical Pharmacology with a PhD in Paediatric Pharmacovigilance and Toxicovigilance. He has been actively involved in teaching, research, and patient care in paediatrics and pharmacology for the last 25 years. He has served on the WHO's expert panel on the selection and use of essential medicines since 2007. He also has served in the WHO's Guidelines Development Group of the Living guidance for clinical management of COVID-19. He has authored about 65 publications, over 100 scientific communications, and chapters on paediatric pharmacology in two textbooks. He also serves as an expert in various committees of the National Medicine Regulatory Authority.	
<b>Indi Trehan</b>	
<b>Institutional Affiliation</b>	University of Washington; Washington University in St. Louis; Lao Friends Hospital for Children
<b>Academic Degrees</b>	MD, MPH, DTM&H
<b>Biography:</b> Indi Trehan is a medical doctor and clinical researcher with specialized training in paediatrics, paediatric emergency medicine, paediatric infectious diseases, and tropical medicine. Since completing training, he has gained extensive clinical experience in the care of children in critical care units, emergency departments, inpatient wards, and outpatient clinics in the United States, Malawi, Sierra Leone, Liberia, Bangladesh, Lao PDR, and Kenya. His primary research interest is in the	

management of acutely malnourished children across the full spectrum of care, from prevention to advanced critical care. Secondary interests include emergency care in resource-limited settings and the diagnosis and management of tropical diseases in children. He works with WHO, UNICEF, ALIMIA, Action Against Hunger, Médecins Sans Frontières, and Friends Without A Border on a variety of clinical, research, and training projects that all aim to make substantive improvements in the care of children worldwide. His primary appointment is as an Associate Professor of Paediatrics and Adjunct Associate Professor of Global Health and Epidemiology at the University of Washington. He serves as an Associate Editor for the journals *Archives of Disease in Childhood*, *Journal of Tropical Pediatrics*, and *PLOS Global Public Health*.

#### **Duke Trevor**

<b>Institutional Affiliation</b>	University of Melbourne
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<b>Academic Degrees</b>	MBBS MD
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#### **Biography:**

Professor Trevor Duke is a paediatrician and Professor at the University of Melbourne, Clinical Director of the General Intensive Care Unit at the Royal Children's Hospital in Melbourne, and Adjunct Professor of Child Health at the School of Medicine and Health Sciences, at the University of Papua New Guinea. He has researched fluid management in sick children for 25 years.

#### **John Wachira**

<b>Institutional Affiliation</b>	Kenya Paediatric Association (KPA), M.P Shah Hospital, Nairobi, Kenya.
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<b>Academic Degrees</b>	MBChB, 1992-1998: University of Nairobi, Kenya. M. Med Paediatrics & Child Health 2007-2010: University of Nairobi M.Sc. Paediatric Emergency Medicine – 2013-2016- Edinburgh UK
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#### **Biography:**

Dr Wachira is currently a consultant paediatrician at the M.P Shah Hospital Paediatrics center and a visiting consultant at several hospitals within Nairobi, Kenya.

He is Attending to newborns, children, and adolescents in both out-patients and in-patient units.

Dr Wachira is overseeing Paediatrics services at the M.P Shah Hospital. He has led the team in setting up the 5 floors Paediatrics center from the beginning to full operations of the out-patient, vaccination, in-patient, specialist, and critical care units. Dr Wachira is the Team leader, Technical working groups in the Kenya Paediatrics Association.

Dr Wachira has contributed to many publications.