

WHO GDG Living Clinical Guidance for Clinical Management of COVID-19

BIOGRAPHIES
JANUARY 2021



Overview

For the development of the **WHO Living Guideline on Therapeutics for COVID-19**, **WHO Living Guidance for Clinical Management of COVID-19** and the new **WHO Living Guideline for Prophylaxis for COVID-19**, a formal Guideline Development Group (GDG) comprising individuals with broad expertise spanning multiple specialties and all regions was convened. This group includes patient panel members as well. Confidentiality and declarations of interest were collected and reviewed and no conflict of interest was identified.

WHO wants to acknowledge all the experts that contributed to the Guideline Development Group (GDG) and thank their commitment and support to achieve the evidence-based recommendations for care of Patients with COVID-19.



Neill Adhikari

Neill Adhikari is an intensivist at Sunnybrook Health Sciences Centre and appointed to the Interdepartmental Division of Critical Care Medicine and Institute for Health Policy, Management and Evaluation at the University of Toronto. His research interests include critical care delivery in under-resourced settings and clinical trials. He is co-PI of trials of vitamin C for sepsis, and blood pressure targets for vasodilatory shock. He co-leads the Toronto-Addis Ababa Academic Collaboration in critical care medicine. Neil participated in the May 2020, Corticosteroids, Therapeutics and the updated January 2021 Clinical Guidelines for COVID-19 as one of the GDG Clinical Chairs.



Wagdy Amin

Director General For chest diseases department, Executive Manager of NTP Egypt, MOHP

He is a Member of scientific committee of COVID-19 and member of scientific committee of TB Control (Ministry of health & Population- Egypt). He is interested in early diagnosis, treatment and control of tuberculosis and other chest infections, especially TB, drug-resistant TB and other chest diseases . He also has a long clinical experience as a pulmonologist and trainer in many fields in chest diseases e.g. (TB , SARI principle of pulmonary diseases) and shared in developing of TB, Asthma and COPD guidelines and preparedness plans for Influenza control.

During his work at the National TB Control Program NTP of Egypt, General Directorate of Chest Diseases Ministry of Health & Population he has served as Clinical/ Laboratory Coordinator (2003–2006), NTP of Egypt, Training Coordinator (2006–present), NTP of Egypt, TB/HIV Coordinator (2006–present), NTP of Egypt and Pandemic Influenza Focal Point (2006–2011). He undertook a variety of scientific activities as the Director and facilitator, TB Control courses held in Cairo, in collaboration with Japan International Cooperation Agency (JICA) and World health organization (WHO) for training of more than 250 members working in TB Control in Eastern Mediterranean Region countries, Organizer, facilitator and Instructor in TB control training for IEMSA members in collaboration with Cairo Anti-Smoking , Tuberculosis and Chest diseases Association in Cairo 2014, and different training courses in the field of Multi Drug Resistant Tuberculosis and hospital management, and different researches in the field of Chest Diseases and Tuberculosis and other infectious diseases like influenza and COVID-19. He is also passionate about driving anti – smoking campaigns. Wagdy participated in the guideline development process in the Therapeutics and the January 2021 Living Guideline GDG as panel member.



Frederique Jacquierioz Bausch

Dr. Frederique Jacquierioz Bausch is a general medicine internist and specialist in tropical and travel medicine, currently working as a Senior Physician, Department of Primary Care, University Hospitals of Geneva, with a joint appointment at the Center for Emerging Viruses. She previously held position as visiting clinical Professor at the Tropical Medicine Institute von Alexander Humboldt, Cayetano Heredia Hospital and University in Lima, Peru, and clinical Assistant Professor at Tulane School of Public Health and Tropical Medicine in New Orleans, USA. Dr. Jacquierioz Bausch served as a WHO consultant to provide clinical technical support during the 2013–2016 Ebola outbreak in West Africa, contributing significantly to the development of clinical guidelines and training material for the management of viral hemorrhagic fevers. She currently oversees the COVID-19 outpatient testing centers at the University Hospitals of Geneva and serves on the Hospitals Taskforce for COVID-19 evidence appraisal and clinical institutional guidance. Her current research focuses on the predictive factors of COVID-19 infection and adverse outcomes in the outpatient population. Frederique participated in the guideline development process in the Therapeutics and the January 2021 Living Guideline GDG as panel member.



Darren Brown

Darren Brown is a clinical and academic Physiotherapist specialising in HIV, disability and rehabilitation. Darren leads the HIV rehabilitation service at Chelsea and Westminster Hospital NHS Foundation Trust in London, UK. He is also vice-chair of Rehabilitation in HIV Association (RHIVA), HIV/AIDS Coordinator of World Physiotherapy subgroup IPT-HOPE, and steering committee member of Canada International HIV Rehabilitation Research Collaborative (CIHRRRC). Darren's research interests focus on disability prevalence and rehabilitation effectiveness among adults living with HIV. Darren contracted COVID-19 in March 2020, and continues to live with Long COVID. He is a founding member of @LongCovidPhysio, an online peer support group for Physiotherapists and support workers living with Long COVID. Darren participated in the guideline development process in the January 2021 Living Guideline (on the session on Rehabilitation) GDG as panel member.



Erlina Burhan

Erlina Burhan is a pulmonologist with more than 16 years' experience in pulmonology and respiratory medicine in Indonesia, where she is spearheading the fight against tuberculosis (TB). Dr Burhan undertook research in Namibia during her postgraduate studies at Heidelberg University, Germany. Since then, she has been Head of the Infection Division Department of Pulmonology and Respiratory Medicine, Faculty of Medicine, Universitas Indonesia. Other positions held include: Head of the Professional Organization Coalition against Tuberculosis; member of the Board of Directors for the International Union Against Tuberculosis and Lung Diseases; and Head of the TB Assembly of the Asia Pacific Society of Respiriology. During the COVID-19 pandemic, she has acted as Head of the COVID-19 Commando Team Persahabatan National Lung Hospital and contributed to COVID-19 guidelines, training health care workers, and advising on health policy in Indonesia. Erlina participated in the Corticosteriod, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Maurizio Cecconi

Maurizio Cecconi is an anaesthesiologist and intensive care specialist and Chair of the Department of Anesthesia and Intensive Care Units at Humanitas Research Hospital, Milan, Italy. He is Professor of Anesthesia and Intensive Care and Vice-President of the MEDTEC School at Humanitas University, Milan. Previous to his current appointments, he worked for 14 years as an NHS Consultant at St George's Hospital, London, UK. His research focus is on improving outcomes in perioperative care, as well data science and the physiology of shock, acute respiratory failure and sepsis. He is the President-elect of the European Society of Intensive Care Medicine and part of the Executive Committee of the Surviving Sepsis Campaign. Maurizio has participated in the May 2020, Corticosteriods, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Vu Quoc Dat

Vu Quoc Dat is a lecturer at the Department of Infectious Diseases, Hanoi Medical University, Viet Nam and an intensivist at the National Hospital for Tropical Diseases, a tertiary referral hospital for infectious diseases in northern Viet Nam. He completed the Career Development Fellowship with the WHO Special Programme for Research and Training in Tropical Diseases and undertook his PhD training at the Oxford University Clinical Research Unit in Viet Nam. He has expertise in clinical management of severe or life-threatening infections, zoonotic diseases, and emerging and re-emerging infectious diseases in resource-constrained settings. His research interests focus on interventions to emerging health issues related to infectious diseases, particularly in critical care settings, and on the capacity of health care systems in response to sepsis and severe acute respiratory infection. He served as a member of the national technical working groups for the development of national guidelines for the management of infectious diseases. Vu participated in the May 2020, Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Bin Du

Bin Du is Director and Professor, Medical ICU, Peking Union Medical College Hospital. Currently, he is President of the Chinese Association of Critical Care Physicians; and President of the Chinese College of Critical Care Medicine. He is Past President, Asia Pacific Association of Critical Care Medicine; and Past President, Chinese Society of Critical Care Medicine. Bin Du participated in the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Vuyiseka Dubula

Vuyiseka Dubula is Director of the Africa Centre for HIV/AIDS Management (University of Stellenbosch). She is recognized in South Africa and globally for her leadership in social movements and NGOs for human rights of people living with HIV. She has a PhD in development studies from the University of Kwazulu-Natal, South Africa and is the founder of the Activist Centre for Education and Development, which facilitates skills and economic development for women living with HIV. She has served on various boards in South Africa, Canada and United States: Lancet National Commission for High-Quality Health Systems; National Ministerial Committee on Medicines Procurement; Office of Health Standards and Compliance; UNAIDS High-Level Commission on HIV Prevention; and the Stephen Lewis Foundation. Vuyiseka participated in the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Heike Geduld

Heike Geduld is Associate Professor and Head of the Division of Emergency Medicine at Stellenbosch University in Cape Town, South Africa. She is President of the College of Emergency Medicine of South Africa and Immediate Past President of the African Federation for Emergency Medicine. Heike participated in the May 2020, Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Patrick O Gee

Patrick O. Gee, Sr., Ph.D, JLC is a former Peritoneal and Hemodialysis patient and current kidney transplant recipient since April 2017. Patrick retired from the Virginia Department of Corrections as a Major/Chief of Security. Patrick has a Bachelor's and Master's in Criminal Justice, with an emphasis in Public Administration from the University of Richmond, in Richmond, VA. He also has a Doctorate of Philosophy in Justice, Law and Criminology from a American University, Washington, DC. Patrick is the Founder & CEO of iAdvocate, Inc., non-profit Faith-based Health & Wellness organization .

Patrick serves in the following capacities:

Quality Insights Renal Network 5 Chair, PAC & Medical Review Board of Directors. Patient Family Centered-Care partners Advisory Board.

Member of ASN's Diabetes Kidney Disease Collaborative Task Force American Association of Kidney Patients BOD.

Center for Dialysis Innovation Patient Advisory Board (PAB). Kidney Research Institute Patient Advisory Committee (PAC).

Chronic Disease Coalition Ambassador & Southeast Region Co-Chair

APOLLO Research Study Steering Committee APOL1's Community Advisory Committee member, representing the Cleveland Clinic

Kidney Health Initiative Patient Family Partnership Council Member

Otsuka Pharmaceutical Advisory Board Member for their Autosomal Dominant Polycystic Kidney Disease campaign.

Patrick participated in the Therapeutics and the January 2021 Living Guideline GDG as panel member.



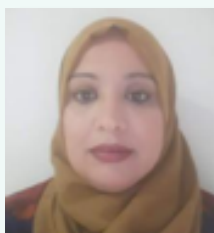
Madiha Hashmi

Madiha Hashmi is Professor and Head of Department Critical Care Medicine at Ziauddin University, Karachi Pakistan. She is also a Visiting Faculty at Aga Khan University Karachi Pakistan, Honorary Physician, Mahidol Oxford Research Unit (MORU), Bangkok, Thailand and secretary, Faculty of CCM at College of Physicians & Surgeons Pakistan (CPSP).

She is a member of WSD Steering committee, Founding Member Asia Pacific Sepsis Alliance (APSA) and is founder and President of Sepsis Alliance Pakistan (SoAP). She was President of Pakistan Society of Critical Care Medicine from 2015-2019.

To promote research in critical care in Pakistan she founded a trust and is the CEO of South East Asian Research & Education in Criticalcare Health (SEARCH). She conducted the first comprehensive national survey of critical care services in hospitals accredited for training in Pakistan. Pakistan Registry of Intensive CarE (PRICE) is operational across the country through a collaboration of SEARCH and NCIS-MORU and is now part of the broader CRITCARE Asia network (CCA). She is PI from Pakistan for REMAP-CAP and operationalised the WHO/ISARIC CCP during COVID Pandemic in intensive care units across the country. She is also a member of Board of Directors of International Severe Acute Respiratory & emerging Infections Consortium (ISARIC).

Madiha participated in the Guideline Development process in the Therapeutics and January 2021 Living Guideline GDG as panel member.



Manai Hela

Manai Hela is an emergency doctor at the Emergency Medical Service Tunis, Tunisia, with a number of years of solid practice experience. Since 2016, she has co-led the simulation unit within the Emergency Medical Service Tunis and teaches medical students and residents at the Faculty of Medicine, Tunis. She has been involved in several research projects and international workshops in the field of emergency medicine. Manai participated in the May 2020, Corticosteroids, Therapeutics and January 2021 Living Guideline GDG as panel member.



Beverley J Hunt

Beverley J Hunt is an international expert on thrombosis and haemostasis based at Guy's & St Thomas' NHS Foundation Trust, London. From the start of the COVID-19 pandemic, she has been at the vanguard of preventing & treating patients with COVID-19 related thromboembolism.

Guideline experience. She sat on multiple National Institute for Health and Care Excellence (NICE) Guidelines Development Group (GDG) for both the management of venous thromboembolism & thromboprophylaxis in hospitalized patients. In the last month she was part of NICE's GDG on thromboprophylaxis in COVID-19 patients. She was a member of the International Society of Thrombosis & Haemostasis Guidance writing group for COVID-19 thromboembolism management.

Research. A member of the organizing committees of the anticoagulation and antiplatelet arms of the WHO approved platform study of critically ill COVID-19 patients - REMAP-CAP and a member of an UK Research and Innovation advisory committee to advise the RECOVERY trial.

Teaching. She has given over 50 international webinars on coagulopathy and thrombosis management in COVID-19 infection. She gave evidence to the UK House of Lords Science and Technology committee hearing on managing COVID-19

She is founder & Medical Director of Thrombosis UK & chair of the Steering group of World Thrombosis Day. Both are not for profit, aiming to increase awareness and improve care of thrombosis.

Professor Hunt was awarded the Order of the British Empire (O.B.E.) by Her Majesty the Queen in recognition of her contribution to medicine.

Beverly participated in the January 2021 Living Guideline (for the sessions on Anticoagulation/Thromboprophylaxis, Rehabilitation and Risk Factors, Prediction Models and Completion of Bundles) GDG as panel member..



Sushil Kumar Kabra

Sushil Kumar Kabra is Professor of Paediatrics at the All India Institute of Medical Sciences, New Delhi, India, where he is responsible for clinical services, teaching, training and research at the Department of Paediatrics (Paediatric Pulmonology and Intensive Care). His research interests include: acute respiratory infections in children, paediatric tuberculosis and cystic fibrosis. He has contributed to numerous publications and is Editor-in-Chief of the *Indian Journal of Pediatrics*. Sushil has participated in the Therapeutics and the January 2021 Living Guideline development process as a GDG panel member.



Seema Kanda

Patient Partner, Niagara Region of Ontario, Canada, completed a dental assisting programme at Niagara College, Ontario, and her BA at McMaster University. Her vocation to care, combined with her father's serious heart condition, made Seema realize the importance of patient understanding and participation in the medical decision-making process. She was one of the first in her workplace to contract COVID-19, which triggered rapid changes to work practices. Seema and her immediate family all suffered to various degrees with COVID-19. Her brother required mechanical ventilation for 6 weeks and was one of a few, locally, to survive. He continues to recover at home, receiving various therapies. Seema is now using her personal experience of COVID-19 to become an active patient partner in the decision-making process regarding treatment options. Seema believes through sharing patient experiences and making constructive suggestions patient care protocols can be improved and is taking the opportunity to contribute as a voice for COVID-19 patients. Seema participated in the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Leticia Kawano-Dourado

Leticia Kawano-Dourado is a respiratory medicine physician and clinical researcher at the Research Institute, Hospital do Coração (HCor), São Paulo, Brazil. She is also an associate researcher of the Pulmonary Division (LIM09) at the University of São Paulo. Her research focuses on non-invasive support for acute respiratory failure, interstitial lung diseases and, more recently, COVID-19. She is a member of the COALITION COVID-19 Brazil, a collaborative research partnership among large hospitals in Brazil, supported by the Ministry of Health, created to accelerate the field of COVID-19 research. The COALITION COVID-19 Brazil is conducting several randomized controlled trials on COVID-19 drug repurposing: hydroxychloroquine and azithromycin (NCT04322123); dexamethasone (NCT04327401); anticoagulation – (NCT04394377); tocilizumab (NCT04403685) and also investigating the long-term consequences of COVID-19 on quality of life, functionality and depression/anxiety (NCT04376658). Leticia participated in the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Yae-Jean Kim

Yae-Jean Kim is a paediatric infectious diseases specialist and Professor of the Department of Pediatrics, Sungkyunkwan University School of Medicine, Samsung Medical Center, Seoul, Republic of Korea. She is a board member of the Korean Society of Infectious Diseases, the Korean Society of Pediatric Infectious Diseases, and the Asia Pacific Society for Immunodeficiencies. She is also the co-lead for the Asian Network for Surveillance of Resistant Pathogens (ANSORP) Pediatric Group. Her area of special interest is respiratory viral infection and infection in high-risk patients. She is the co-author of a chapter on coronaviruses in Feigin and Cherry's Textbook of Pediatric Infectious Diseases (8th edition, 2018). Since 2015, having experienced the MERS outbreak in the Republic of Korea, she has been a frequent advisor on coronavirus infection to WHO and international societies. Kim has participated in the May 2020, the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Niranjn Kissoon

BC Children's Hospital and UBC Global Child Health, Department of Paediatrics and Emergency Medicine, University of British Columbia (UBC), Vancouver, Canada, is Past President of the World Federation of Pediatric Intensive and Critical Care Societies; and Professor, Pediatric and Surgery at UBC. He is Vice-Chair of the Global Alliance for Sepsis, Co-Chair World Sepsis Day, and Vice-Chair of the International Pediatric Sepsis Initiative and the Pediatric Surviving Sepsis Campaign Guideline Committee. Niranjn has participated in the May 2020, the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Arthur Kwizera

Arthur Kwizera is Senior Lecturer in Anaesthesia and Intensive Care at Makerere University College of Health Sciences and a staff intensivist at the Mulago National Referral Hospital ICU, Uganda. After completing his specialist anaesthesia and intensive care training in Uganda, he received further training from the University of British Columbia in Canada and an interventional pulmonology fellowship in Venice, Italy. He is part of international collaborations looking at acute care in resource-limited settings with particular emphasis on respiratory failure sepsis management and anaesthesia/intensive care education. He is a member of the Surviving Sepsis Campaign Guidelines Taskforce. His research work is centred on epidemiology, pathophysiology and management of acute organ dysfunction and corresponding life support interventions in low-resource settings. He is a Cambridge THRiVE PhD fellow with a focus on acute lung disease, especially acute respiratory failure and acute respiratory distress syndrome, and on novel, low-cost strategies to manage acute respiratory failure in the low-resource African acute care settings. Arthur has participated in the May 2020, the Corticosteroids, Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Imelda Chipu Mahaka

Imelda Chipu Mahaka is Country Director for the Pangaea Zimbabwe AIDS Trust in Harare, Zimbabwe, providing programmatic and operational oversight to the organization. She has been involved in policy advocacy, community engagement and implementation around HIV prevention and treatment optimization including scale-up of treatment and access to diagnostics and monitoring. Imelda has extensive experience in HIV/AIDS and behavioural research on sexual and reproductive health, working particularly with adolescents. She sits on a number of study trials committees representing communities. She is a member of the Viral Load, DSD and PrEP Technical Working Groups, coordinated by the Ministry of Health and Child Care, Zimbabwe, and served as secretariat to the Laboratory Partnership Forum for a number of years. Imelda has participated in the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Claire McLintock

Dr Claire McLintock ONZM, FRACP, FRCPA, MBChB(Edin) is a haematologist at Auckland City Hospital, Auckland New Zealand. She has a special interest thrombosis and haemostasis, and haematological and medical problems in pregnancy. She is a co-author of the American Society of Hematology's guidelines on management of VTE in pregnancy and on the diagnosis of von Willebrand's Disease. She has served in many roles which include President International Society of Thrombosis and Haemostasis (2018-2020), remains on Executive Committee as Immediate Past-President, President of the Society of Obstetric Medicine of Australia and New Zealand (2008-2010) among others. She is recognized as an expert in haematological and medical complications in pregnancy and is an invited speaker at many in person and virtual conferences around the world, lecturing on topics ranging from VTE prevention diagnosis, and treatment in pregnancy, bleeding disorders in women and pregnancy, management of haematological disorders in pregnancy including COVID-19, and also pregnancy specific complications such as preeclampsia, postpartum haemorrhage, thrombocytopenia.

Claire participated in the January 2021 Living guideline GDG (for the session on Anticoagulation/ Thromboprophylaxis) as panel member.



Greta Mino

Greta Mino is an infectious diseases paediatrician and researcher and practising physician at Alcivar Hospital in Guayaquil, Ecuador. For 21 years, Dr Mino held the position of Head of the Infectious Diseases Department at Dr Francisco de Icaza Bustamante Children's Hospital. She is Past President of the Latin American Paediatric Infectious Disease Society. She served as national HIV programme consultant and HIV PMTCT programme coordinator for Ecuador's Ministry of Health. Additionally, she has advised the Pan-American Health Organization on Influenza A(H1N1), and on the treatment of infectious diseases, surveillance of antibiotic resistance and control for HCAI, diarrhoeal disease and cholera. For the past 3 years, she has worked on the follow-up of patients with congenital zika syndrome. Since 2020, she has taken part in the COVID-19-MIS-C response, launched by the Ecuadorian Ministry of Health and became an acting member of the WHO MIS-C group. Greta has participated in the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Srinivas Murthy

Srinivas Murthy is Associate Professor at the University of British Columbia in Vancouver, Canada. He is a paediatric infectious diseases and paediatric critical care physician and clinical epidemiologist. He has served as an advisor to WHO, Public Health Agency of Canada, and other public health agencies around the world since 2014. He holds research grant support from the Canadian Institutes of Health Research, the Wellcome Trust and the Gates Foundation, and his academic and clinical focus is on severe and emerging respiratory infections. Srinivas participated in the May 2020, Corticosteroids, Therapeutics and the updated January 2021 Clinical Guidelines for COVID-19 as one of the GDG Clinical Chairs.



Emmanuel Nsutebu

Emmanuel Nsutebu is Chair of the African Sepsis Alliance and investigator for the African Research Collaboration on Sepsis. He is a consultant infectious diseases physician and Chief of Infectious Diseases at Sheikh Shakhboub Medical City, Abu Dhabi. He previously worked at the Royal Liverpool Hospital as Associate Medical Director for Deterioration and Sepsis and as a clinical advisor for the National Health Service England (sepsis and deterioration). He is a member of the Global Sepsis Alliance Board and Executive Committee. He is a member of the Abu Dhabi Government Health Service Infectious Disease and Infection Control Council; and the SEHA Critical Care Council. Both councils have led the health service response to COVID-19 pandemic in Abu Dhabi. He is passionate about strengthening health services in low- and middle-income countries to care for severely ill patients such as patients with sepsis and emerging infections such as COVID-19. He has a special interest in sepsis, quality improvement, patient safety and clinical leadership. Emmanuel has participated in the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Natalia Pshenichnaya

Natalia Pshenichnaya has held various posts in infectious diseases, including: Head of the Infectious Diseases and Epidemiology Department at Rostov State Medical University; project officer on climate change and health in the WHO Russia country office; and Head of the International Department of the National Medical Research Center of Phthisiopulmonology and Infectious Diseases in Moscow. Currently she is Deputy Director of clinical and analysis work at the Central Research Institute of Epidemiology, Rospotrebnadzor, Moscow. She has served on various WHO guideline development and advisory groups: clinical management of patients with Crimean-Congo Haemorrhagic Fever (2016–2019); clinical management of influenza (2019); and in 2020, the clinical advisory group on COVID-19 and WHO Clinical Network Knowledge Exchange on COVID-19. She was a member of: WHO-China joint technical mission to China to support the response operation for the COVID-19 outbreak 16–24 February 2020; Russian military-medical humanitarian mission on COVID-19 to Bergamo, Italy 22 March – 10 April 2020; WHO consultant for IPC and clinical management on COVID-19 in Tajikistan (August – September 2020). She is co-author of the Russian national guidelines for the management of COVID-19. Natalia has participated in the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Nida Qadir

Nida Qadir is an Assistant Professor of Medicine in the Division of Pulmonary and Critical Care Medicine at the David Geffen School of Medicine, UCLA, USA. As the co-director of the division's Disaster and Pandemic Response Team, she spearheaded the creation of clinical guidelines for the management of COVID-19 patients at UCLA Health, and led the development of the institution's critical care surge plan. Her professional interests include critical care outcomes-based research, ICU recovery, and simulation in medical education. Her current research focuses on acute respiratory distress syndrome, shock and post-intensive care syndrome. She serves on the critical care editorial board for *CHEST*, the journal of the American College of Chest Physicians, and has served as faculty for numerous regional and international critical care simulation courses. Nida has participated in the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Shalini Sri Ranganathan

Shalini Sri Ranganathan is a specialist in pharmacology and paediatrics at the University of Colombo, Sri Lanka. Professor Sri Ranganathan has over 20 years' experience in both pharmacology and paediatrics. Since 2007, she has regularly served as a member on the WHO expert committee on selection and use of essential medicines. She has won numerous medals and awards during her professional career for academic excellence and research. Her main interests are essential medicines for children, antimicrobial utilization, access to medicines, pharmacovigilance, paediatric dosage forms and rational use of medicines. She is a member of editorial boards of journals in Sri Lanka including the Ceylon Medical Journal and Ceylon Journal of Medical Sciences. She has authored over 80 publications. Shalini has participated in the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



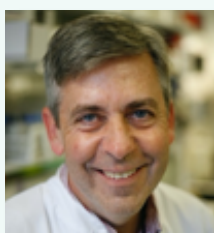
Saniya Sabzwari

Saniya Sabzwari is an Associate Professor in the Department of Family Medicine at the Aga Khan University, Karachi, Pakistan. She is a Fellow of the American Academy of Family Physicians. Her area of special interest is geriatrics. She established the first outpatient geriatric service in Pakistan, and developed geriatric undergraduate and postgraduate training programmes at the Aga Khan University in 2008. Her research focuses on community geriatrics, on which she has published several papers. She is also part of the Geriatric Special Interest Group for the World Organization of Family Doctors. She has participated in the May 2020, Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Rohit Sarin

Rohit Sarin is Principal Consultant of the National Institute of Tuberculosis and Respiratory Diseases, and Technical Advisor for the National Tuberculosis Elimination Program, for the Government of India. He is a fellow of the National College of Chest Physicians; executive member of the Tuberculosis Association of India; and member of the Delhi Tuberculosis Association, Association of Bronchology, and Indian Medical Association. Widely published at national and international level, he has received several awards, including, the national Dr PV Benjamin Memorial Oration Award given by the TB Association of Telangana, Hyderabad, 2019; the international Karel Styblo Public Health Prize, 2017; and the Dr PK Sen Gold Medal – the highest award given by the TB Association of India, 2012. He has participated in the May 2020, the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Mike Sharland

Mike Sharland is a leading expert in antimicrobial prescribing, resistance and health care associated infection in children. He is the lead clinical advisor for the neonatal and paediatric programme of the Global Antibiotic Research and Development Partnership and Vice-Chair and AMR lead of the Penta Foundation, a global Paediatric Infectious Diseases research network. He Chaired the Department of Health's National Expert Advisory Committee of Antimicrobial Prescribing, Resistance and Healthcare Associated Infection for 8 years. He has been an advisor to the WHO for many years. He is member of the Expert Committee on the Selection and Use of Essential Medicines and Chair of the Antibiotic Working Group of the EML/EMLC, assisting with the development of the Access/Watch/Reserve (AWaRE) grouping of antibiotics and WHO global targets on use. Professor Sharland's principal research interest is optimizing the use of antimicrobials in children. At St George's University London he leads a major programme of research, including global cohort studies and clinical trials to improve the evidence base for antimicrobial prescribing. Mike has participated in the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Yinzhong Shen

Yinzhong Shen is Chief Physician, Associate Professor of Shanghai Public Health Clinical Center, Fudan University, and a member of the Standing Committee for Tropical and Parasitic Diseases branch of the Chinese Medical Association. With experience of working at WHO headquarters in 2014 and 2016, he was invited by the WHO Western Pacific Region to share China's experience of COVID-19 clinical management with Pacific Island countries. His work focuses on clinical management and research in the field of infectious diseases. Shen has participated in the May 2020, the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Sally Singh

Sally Singh is Professor of Pulmonary and Cardiac Rehabilitation at the University of Leicester. She is also Head of Pulmonary and Cardiac Rehabilitation at the University Hospitals of Leicester NHS Trust and Director of the Centre for Exercise and Rehabilitation Science, a multidisciplinary group of researchers conducting a range of research projects in the field of exercise and rehabilitation. She is a member of the COPD Biomarker Qualification Consortium submitting a proposal to the FDA for approval of an exercise test developed in Leicester as an approved trial outcome for COPD. She is the clinical lead for pulmonary rehabilitation as part of National Asthma and COPD Audit Programme (NACAP) and is the lead clinician for the Pulmonary Rehabilitation Service Accreditation Scheme run by the RCP.

Currently she co-chairing an ATS group 'Defining modern pulmonary rehabilitation' and the British Thoracic Society Guidelines Group on PR.

She is PI for an NIHR Global Research Group exploring culturally appropriate rehabilitation in low and middle income countries.

Sally participated in the Therapeutics and the December Living Guideline (on the session on Rehabilitation) GDG as panel member.



João Paulo Souza

João Paulo Souza is Professor of Public Health at the Department of Social Medicine, Ribeirão Preto Medical School, University of São Paulo, Brazil. With a clinical background in obstetrics and gynaecology and intensive care, Professor Souza worked for several years at WHO headquarters on global maternal and perinatal health issues. His current work focuses on the interface of health and social development, particularly on strategies for achieving an ecologically and socially sustainable healthier future. Joao has participated in the May 2020, the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Miriam Songa Stegemann

Dr. Miriam Songa Stegemann is a specialist in Internal Medicine and Infectious Diseases, and received the Diploma in Tropical Medicine and Hygiene (Gorgas, Lima, Peru).

She works as a Senior Attending Physician and Scientist at Charité Universitätsmedizin Berlin in Germany, Department for Infectious Diseases and Respiratory Medicine. She is head of the antimicrobial stewardship program at Charité. She is involved in international projects focusing on antimicrobial resistance in low and middle income countries. Recently, she was selected for funding through the Berlin Institute of Health (BIH) Clinical Fellows program.

Since the beginning of the outbreak of COVID-19 she became a clinical expert in the management of COVID-19 patients. She conducts projects, which are inspired by her clinical engagement and generate added value for her individual medical activities as senior physician and science as well as for national and international networks with she is involved with focus on pandemic preparedness.

Miriam has participated in the Therapeutics and January 2021 Living Guideline GDG as panel member.



Sebastián Ugarte Ubiergo

Sebastián Ugarte Ubiergo is a Medical Doctor, Internist, Specialist in Critical Care Medicine who currently serves as ICU Director, INDISA Clinic, Universidad Andrés Bello, Santiago, Chile. His other positions include Director of the Postgraduate Program in Intensive Care Medicine, Faculty of Medicine, Andrés Bello University UNAB, Director Department Epidemic Response, Chilean Society of Critical Care and Emergency Medicine, Member of the Expert advisory team of the Pan American Health Organization for the Development of COVID19 Guidelines, Member of the Expert advisory team of the Pan American Health Organization for the Development of Influenza Guidelines.

He also served as Past president “Comisión de Medicina Intensiva, Comisión Nacional de Certificación de Especialidades, Council member WFSICM, Past president Federación Panamericana e Ibérica de Sociedades de Medicina Crítica y Terapia Intensiva, Chilean Society of Critical Care and Emergency Medicine, Past President, Chilean Society of Intensive Medicine, Director Chilean Network of Intensive Medicine.

He has been recipient of many Grants/Honors/Awards and has widely published in many national and international journals.

Sebastian has participated in the Therapeutics and the January 2021 Living Guideline GDG as panel member.



Sridhar Venkatapuram

Sridhar Venkatapuram is an academic-practitioner of global health ethics and justice. He is an Associate Professor at King's College London, and Director of Global Health Education and Training at the King's Global Health Institute. He brings together the natural and social sciences related to health with philosophy, particularly political philosophy, to address issues related health rights, equity and good governance for health at the local, national, and global levels. He has worked with organizations including Human Rights Watch, Doctors of the World, the Population Council, Open Societies Institute, Wellcome Trust, Health Foundation, UK Parliament of Science & Technology, and the WHO. His PhD – an argument for every human being's moral right to health – was the basis of his first book, Health justice: an argument from the capability approach (Polity Press). He is co-editor of Vulnerable: the law, policy and ethics of COVID-19 (University of Ottawa Press). Sridhar has participated in the Corticosteroids, the Therapeutics and the January 2021 Living Guideline for COVID-19 development process as GDG panel member.



Ananda Wijewickrama

Ananda graduated in 1991 from Faculty of Medicine, University of Colombo. He obtained MD (Sri Lanka) from Post Graduate Institute of Medicine, University of Colombo in 1998, MRCP(UK) from R CP, London in 2000 and FCCP from CCP in 2009. Currently he is working as Consultant Physician at the National Institute of Infectious Diseases (formerly IDH), Colombo since 2003, an external lecture/examiner in faculties of Medicines and a member of the National Medicines Regulatory Authority of Sri Lanka. He has post graduate training in infectious diseases including Dengue, SARS, Avian flu and other emerging infections and HIV. His research interests include clinical management of Dengue, HIV and Chicken pox. He is a member of the editorial board of the “Guidelines for the Management of Dengue Fever and DHF in adults in Sri Lanka”. He has several publications in peer reviewed journals and delivered many guest lectures both in local and foreign medical forums on Dengue. He won the ProMED award for emerging infectious diseases in ICID 2016. Ananda also serves as the President of the Ceylon College of Physicians for the year 2020. Ananda participated in the Therapeutics and January 2021 Living Guideline GDG as panel member.

