



World Health
Organization



**WHO guideline development panel meeting on WHO antenatal care guidelines
*Update on nutrition recommendations for multiple micronutrient supplementation and
vitamin D supplementation***

Geneva, Switzerland (via WebEx)

4-5 December 2019

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¹ Guidelines for declarations of interest (WHO experts). Geneva: World Health Organization. (<https://www.who.int/about/ethics/declarations-of-interest>, accessed 8 October 2019)

GUIDELINE DEVELOPMENT GROUP

BIOGRAPHIES

Dr Niveen ABU-RMEILEH

Dr Abu-Rmeileh is a Professor of Statistical Epidemiology in the Institute of Community and Public Health at Birzeit University, West Bank and Gaza Strip. She holds a BSc in Medical Technology from Al-Quds University, a Master in Public Health from Birzeit University and a PhD in Statistical Epidemiology from the University of Glasgow. She teaches a variety of courses on quantitative research methods, health statistics and population studies. Dr Abu-Rmeileh has been involved in multi-county projects at the national, regional and international level. She is leading a team that focus on producing systematic reviews. She was part of the WHO initiatives encouraging implementation research in the EMRO region. Recently, she started building a team in reproductive health research. Her research interest is focused on three broad categories: epidemiology of non-communicable disease and multi-morbidities (mortality, morbidity, modelling, knowledge to policy); reproductive health (maternal and child health, adolescent health); and evidence syntheses (systematic reviews, scoping reviews and meta analysis). Dr Abu-Rmeileh has participated in national, regional and international research. She is a member of WHO-EMRO Research Ethics Review Committee and the EM Advisory Committee for Health Research.

Dr Luz María DE-REGIL

Dr De-Regil is an epidemiologist with expertise in global nutrition and health. With 20 years of experience in the public, private, non-for-profit and intergovernmental sectors, she is a Senior Advisor to UN organizations and other global public health groups and is the founder of the consulting firm Nutrition Developments. Prior to these roles, Dr De-Regil was the Vice President of Global Technical Services & Chief Technical Advisor at Nutrition International, Canada; an Epidemiologist at the World Health Organization, Switzerland; a Visiting Scientist at the Children's Hospital Research Institute in Oakland, USA; and a researcher in her native country Mexico. She has authored more than 100 peer-reviewed and policy publications, including WHO guidelines and global reports. She was a member of the WHO Guidelines Review Committee and the WHO Research and Ethics Committee and has served on the boards of local and international not-for-profit entities. In addition to her Doctorate of Sciences in Public Health, Dr De-Regil holds a Bachelor degree in Nutrition and Food Sciences, a Master degree in Sciences and postgraduate studies in International Negotiation and Policy Making.

Dr Atf GHERISSI

Dr Gherissi is a Certified Midwife since 1981 and actively contributed in developing and implementing the National Safe Motherhood Programme in Tunisia. She received a Master degree in Education Science in 1996 at Aix-en-Provence University (France), then a PhD in the same specialty in 2003 at René Descartes - Paris V University (France), and finally a postdoc in Health Education Science in 2016 at Tunis El Manar University (Tunisia). Dr Gherissi is Assistant Professor since 2008 and teaches research methodology for health science teachers and students, including midwifery students, at the Faculty of Health Science and Techniques, Tunis El Manar University. She considers that research methodology starts with a state of

mind first to a process. Based on this conviction, her pedagogic approach enhances the students and empowers them. She is associate editor of the *International Journal of Childbirth* (Springer) and member of the International Scientific Committee of the *Midwifery Journal*. She has several publications on health education science, reproductive health and midwifery, and she contributed in the *World State of Midwifery Reports* 2011 and 2014. She also made several presentations at national, regional and international important research meetings and conferences. Dr Gherissi combines her efforts and expertise to strengthen midwifery services and the midwifery profession in the Middle East and North African countries and in francophone African countries as well. She is member of the Consultative Committee of the Regional Working on Reproductive Health hosted at the American University of Beirut which gathers researchers from the Middle East and Turkey.

Ms Gill GYTE

Ms Gyte has a background in biochemistry and haematology and initially worked in laboratory research in a district general hospital in the United Kingdom. She then trained and worked as an antenatal teacher for the National Childbirth Trust (NCT), a UK charity supporting pregnant women, partners and young families, for 24 years. She also worked on the NCT's Research and Information Group and ran Critical Appraisal Skills (CASP) workshops for NCT and the wider public. Through this work she became the Consumer Coordinator for the Cochrane Pregnancy and Childbirth Group (PCG), coordinating and supporting women acting as peer referees for the PCG protocols reviews. During this time, she attended training workshops for systematic reviews. She went on to work as a Research Associate for PCG and is a co-author on a number of Cochrane reviews. On stepping down from that role, she became the Consumer Editor for the PCG in 2010, a role she currently holds. Over the years she has contributed to research as a Patient and Public Involvement (PPI) representative. She has worked on NICE and WHO Guideline Development Groups, contributed as a women's representative to a number of research projects and randomised controlled trials. She is currently semi-retired and is still very interested in maternity care research.

Professor Rintaro MORI

Professor Mori is a Regional Advisor on Population Ageing and Sustainable Development at UNFPA Asia-Pacific Office covering emerging population dynamics issues, including population ageing and low fertility. After paediatric training in Japan, he practiced in Australia, Nepal and the United Kingdom as a senior paediatrician and studied epidemiology/public health at the London School of Hygiene & Tropical Medicine before becoming involved in guideline development for NICE, United Kingdom. He has also actively been involved in research/aid-works in Madagascar, Bangladesh and Mongolia, as well as research in health systems and women's and children's health at the both national and global level. He was appointed as Director of Department of Health Policy at the National Center for Child Health and Development and Professor in Health Policy for Families and Children at Kyoto University, where he pursued his research on the life-course approach to achieve sustainable social and health care systems in the context of population ageing since 2012, before taking up his current role in 2018. He is also the Editor of Cochrane Pregnancy and Childbirth Group and has authored over 200 scientific publications.

Professor James NEILSON

Professor Neilson was Professor of Obstetrics and Gynaecology at the University of Liverpool, United Kingdom from 1993 to 2015. He graduated from the University of Edinburgh in 1975 and trained in Scotland and Zimbabwe. As a research fellow in Glasgow, he led one of the first randomised trials of routine ultrasound in pregnancy and became, following a chance meeting with Iain Chalmers in Zimbabwe, an early author of systematic reviews for the Oxford Database of Perinatal Trials – the forerunner of the Cochrane Collaboration. He has been a Coordinating Editor of the Cochrane Pregnancy & Childbirth Group since 1995, consistently the most productive of Cochrane review groups worldwide. As a clinical obstetrician, based in Liverpool Women's Hospital, Professor Neilson continued a long-standing interest in multiple pregnancies, which complemented a Wellcome Trust funded research programme on preterm birth in Malawi, with Nynke van den Broek of the Liverpool School of Tropical Medicine. He was centrally involved in the UK Confidential Enquiry into Maternal Deaths (latterly as part of MBRRACE-UK) between 1995 and 2015, and was inaugural National Institute for Health Research (NIHR) Dean for Faculty Trainees in England 2008-2015, overseeing a £100m annual support for research training at different levels in medicine, dentistry, nursing and allied health professions, and other areas of applied health research. He has been involved in the production of a number of evidence-based clinical guidelines, with WHO and NICE (UK).

Dr Lynnette NEUFELD

Dr Neufeld strives to mobilize intellectual resources to improve the health and nutrition of populations, using strategic research to inform better programme design and implementation. She is actively involved in the global nutrition community, serving on several boards and technical advisory groups and is President Elect of the International Union of Nutritional Sciences (IUNS). She is currently part of Senior Management at the Global Alliance for Improved Nutrition (GAIN), where she leads a team dedicated to research, evaluation, and knowledge mobilization. Previously, Dr Neufeld was Director of the Division of Nutritional Epidemiology at the National Institute of Public Health (INSP) in Mexico. She has an active research and programme evaluation portfolio in several countries in Asia and Africa. She is Adjunct Professor in the Rollins School of Public Health at Emory University and Visiting Professor at INSP. She has published over 100 peer reviewed journal articles and book chapters.

Dr Lisa NOGUCHI

Dr Noguchi is a certified nurse-midwife and infectious disease epidemiologist with interests in quality improvement in maternal newborn health (MNH) care in limited resource settings, antenatal care (ANC) service delivery, integration of infectious disease prevention and treatment in obstetric care, and analysis of contraceptive use and STI/HIV risk. Over the past 22 years, she has worked in urban and rural clinical practice settings providing obstetric care in the Americas, Asia, and Africa, and supported MNH implementation and research projects across these regions. Her education includes Bachelor degrees in anthropology and nursing, and a Master degree in nurse-midwifery from the University of Pennsylvania. She obtained her PhD in epidemiology from Johns Hopkins Bloomberg School of Public Health and is

currently an Associate in that department. Since 2018, Dr Noguchi has served as Director for MNH at Jhpiego and recently served as the Zika Response Team Lead for USAID's flagship Maternal and Child Survival Program, led by Jhpiego. Dr Noguchi is a principal investigator for a USAID-funded study of gestational age assessment practices in India and Cambodia; Protocol Co-chair for the NIH-funded trial, B-PROTECTED, which will study the safety and pharmacokinetics of PrEP and dapivirine ring use in breastfeeding women in Uganda, Zimbabwe, Malawi, and South Africa; and Research Director for the Jhpiego Ethiopia, Malawi, and Mali sites engaged in the Bill & Melinda Gates Foundation ARC network. Dr Noguchi has served on several committees, including WHO Antenatal Care Guidelines, WHO HIV PrEP for Women and Girls, WHO Perinatal Executive Committee Guideline Development Group, and the Trans-NIH Plan for HIV-Related Research Women and Girls Planning Group. She has published research and commentary in a range of peer-reviewed journals, including *Birth Defects Research*, *Antimicrobial Agents and Chemotherapy*, *PLoS One*, *American Journal of Obstetrics and Gynecology*, *The Journal of Infectious Diseases*, *The Lancet HIV*, *The Lancet*, and the *New England Journal of Medicine*.

Dr Nafissa Mohamed Rashid Bique OSMAN

Dr Osman is a medical doctor from Universidade Eduardo Mondlane, Maputo-Mozambique, and qualified as Specialist in Obstetrics and Gynaecology in Mozambique. She obtained a PhD in International Health in the field of Obstetrics from Karolinska Institut in Sweden in 2000. Her thesis was on *The impact of maternal morbidity on fetal growth and pregnancy outcome in Mozambique*. Currently she is Associate Professor and Head of the Academic Department of Obstetrics/Gynaecology at Faculty of Medicine of Universidade Eduardo Mondlane where she is also a lecturer of the Reproductive Health module in the Master of Public Health course. She also works as a clinician at Hospital Central de Maputo. Dr Osman is the immediate past president of the Mozambican Association of Obstetricians/Gynaecologists (AMOG) and is a member of the editorial board of *Revista de Saude do INS*, the official journal of the national institute of health in Mozambique. She is a member of WHO Reproductive Health and Research Scientific and Technical Advisory Group (STAG) since 2015 and has been working in different technical groups on maternal health and abortion care at WHO Geneva. She was recently nominated as a member of the FIGO committee on Safe Abortion.

Professor Erika OTA

Professor Ota is a midwife and epidemiologist serving as Professor of St. Luke's International University, Tokyo Japan. She received a Bachelor of Science in Nursing from St. Luke's International University, and a Master of Science and PhD in Maternal-Child Health Science from the University of Tokyo. She is an editor of the *Journal of Japan Academy of Midwifery*, an associate editor of the Cochrane Pregnancy and Childbirth Group, and Vice Director of the Cochrane Japan Centre. Her current research focuses on maternal and child health, women's health and global health, especially nutrition during pregnancy. Her research has been funded by the Japan Society for the Promotion of Science (JSPS) and Health Labour Sciences Research Grant. She contributed to global policy making such as *WHO recommendations for prevention and treatment of maternal peripartum infections* in 2014-2015, *WHO recommendations for antenatal care for a positive pregnancy experience* and *WHO recommendations for breastfeeding* in 2016-2017 as a technical staff. She has published 168 papers in peer-

reviewed journals, including 28 Cochrane systematic reviews, *Plos One*, *BJOG*, *Scientific Reports*, *Lancet*, and the *WHO Bulletin*.

Professor Robert PATTISON

Professor Pattinson is the Director of the SAMRC/University of Pretoria Maternal and Infant Health Care Strategies Research Unit and previous clinical head of the Department of Obstetrics and Gynaecology at the University of Pretoria. He serves on the National Committee for the Confidential Enquiries into Maternal Deaths for which he edits all the reports and served on the National Perinatal Morbidity and Mortality Committee in South Africa. He also is responsible for the perinatal care and child health care surveys in South Africa. He served on the WHO technical committees that developed the WHO ICD classifications of maternal near miss, maternal death and perinatal deaths. He also served on WHO technical committees for developing the guidelines for antenatal and intrapartum care. His main research interests are in obstetrics, medical audits, health systems and effective methods of outreach. His main research focus is on determining the most effective means of implementing new health care strategies and improving current programmes. He led the team that developed and scaled-up the Essential Steps into Obstetric Emergencies programme. In the 12 districts, covering over 1.2 million births and 2000 maternal deaths over 6 years which were intensively evaluated, a significant overall reduction in maternal deaths of 29.5% and a 17.5% drop in direct causes of maternal deaths was recorded. The programme has been scaled-up into all districts in South Africa. Currently he is researching ways of predicting and preventing stillbirths in pregnant women classified as having low risk pregnancies using the continuous wave doppler. He has published more than 200 peer reviewed articles and his H-Index rating is 46 with (75 articles quoted 10 or more times in last 5 years).

Dr Rusidah SELAMAT

Ms Selamat currently serves as a Deputy Director in charge of Nutrition Policy and Planning at the Nutrition Division, Ministry of Health, Malaysia. She leads multiple teams for programme planning, development and evaluation, particularly for nutrition surveillance and global nutrition. She also leads national coordination of food and nutrition. Within her 28 years of working in the field of nutrition, she was the Deputy Director for Nutrition Operation at the Ministry of Health Malaysia, a senior state nutritionist in several states and a researcher at the Institute for Public Health, Kuala Lumpur. Ms Selamat was also actively involved in the national and regional nutrition committees. She is presently the chairman of the Malaysian Food Composition Database project. She was previously chairman for the Technical Working Group for Nutrition Promotion and Nutrition Research under the National Coordinating Committee for Food and Nutrition. She was also a member of the WHO Guideline Development Group – nutrition actions for 2013-2014. In 2014, she was awarded a Fellow from the Nutrition Society of Malaysia.

Professor Harshpal Singh SACHDEV

Professor Sachdev (MD, FIAP, FAMS, FRCPCH) is Senior Consultant in Pediatrics and Clinical Epidemiology at Sitaram Bhartia Institute of Science and Research, New Delhi; Honorary

Senior Research Associate, Institute of Child Health, University College London, United Kingdom; Adjunct Professor, St. John's Research Institute, Bangalore and Translational Health Science and Technology Institute, Faridabad; and Visiting Professor, MRC Lifecourse Epidemiology Unit, Southampton. He has served as Professor, Department of Pediatrics, Maulana Azad Medical College; National President, Indian Academy of Pediatrics; Secretary, Nutrition Society of India; Regional Advisor, Asian Pacific Pediatric Association; and Editor-in-Chief of Indian Pediatrics. He has 302 indexed publications and has edited 16 books and contributed to 37 reports. He has been honored with Fellowships from the Royal College of Paediatrics and Child Health (London), National Academy of Medical Sciences and Indian Academy of Pediatrics. Professor Sachdev is a National Research Awards recipient including from the Indian Council of Medical Research. He provides services in various advisory capacities to the Government of India (Niti Aayog, Ministries of Health and Family Welfare, and Women and Child Development, Indian Council of Medical Research, Department of Biotechnology, and Food Safety and Standards Authority of India) and different national and international organizations including the World Health Organization and World Bank. He has been associated with nearly 50 research grants from national and international funding agencies. His current research interests include developmental origins of adult disease, nutrition in children, adolescents and mothers in low and middle-income countries, and systematic reviews to guide policy and practice.

Dr Charlotte WARREN

Dr Warren is one of Population Council's lead social science researchers in maternal and newborn health (MNH), a nurse (UK Registered Sick Children and General Nurse) with a Master degree in Primary Health Care and a PhD in Health Sciences from Ghent University. She has over 30 years of maternal, newborn and reproductive and public health implementation experience with over 17 years of living and working in Africa and focuses on developing innovative solutions to improving access to MNH services in SSA and South Asia. Dr Warren is the director of the five-year Ending Eclampsia Project which seeks to expand access to proven underutilized interventions and commodities for the prevention, early detection, and treatment of pre-eclampsia and eclampsia and strengthens global partnerships. Dr Warren led the ground-breaking study on measuring the prevalence of disrespect and abuse during childbirth in Kenya, including developing solutions to promote respectful maternity care. She is currently leading a study on newborn and young children experience of care, and backstops implementation research on the introducing the PSBI guidelines in Kenya. She also leads research on measuring the performance of community health workers in seven low- and middle-income countries. Dr Warren has extensive experience in implementation research, health systems research, program management, training and quality assurance. She has been involved in reviewing WHO MNH guidelines, standards and recommendations, published over 40 peer-reviewed papers and presented at a number of international conferences.

Professor Charles Shey Wiysonge

Professor Wiysonge is the Director of Cochrane South Africa, an Extraordinary Professor of Global Health at Stellenbosch University, and an Honorary Professor of Epidemiology and Biostatistics at the

University of Cape Town. His previous appointments include Deputy Director of the Centre for Evidence-based Health Care at Stellenbosch University; Project Manager of the Vaccines for Africa Initiative and Chief Research Officer at the University of Cape Town; Chief Research Officer at the Joint United Nations Programme on HIV/AIDS in Geneva; Deputy Permanent Secretary in the Central Technical Group in charge of the Expanded Programme on Immunisation in Cameroon; and Medical Epidemiologist at the Pasteur Centre of Cameroon in Yaoundé. Professor Wiysonge sits on multiple high-ranking scientific and policy advisory bodies on research, vaccination, and evidence-based health Care at national, continental, and global levels. He has a B2 rating from the National Research Foundation of South Africa, and his current research is devoted to understanding vaccination barriers and finding tailored evidence-based solutions for these barriers.