

Anaesthesia in Developing Countries course, July 2022

Course report

Context of the course

The Oxford Anaesthesia in Developing Countries course (ADC) exists to improve the quality and sustainability of overseas work done by anaesthetists from the UK and other highincome countries. Many such clinicians have had excellent training and experience in their home systems but rightly perceive a gap between this background and the skills and knowledge they may need in a different setting. ADC (started in Oxford by Dr Mike Dobson in 1981) is a five-day course focused on meeting this need in a variety of ways. It remains the case that many anaesthetists travel to countries with very different resources, to work as part of clinical, teaching and research projects in a wide variety of contexts. Global awareness of urgent humanitarian needs and of the challenges to effective international assistance continues to grow.

Thus ADC, in common with only a handful of other centres worldwide, provides focused high-quality training both on clinical aspects of working in resource-poor settings and other challenges that the overseas health worker may face. Following a two year pandemic hiatus, a "UK-variant" of the course ran in Oxford, in 2022.

July 2022 ADC

The course was held between the 28th June and 1st July 2022, based at Kellogg College in Oxford, UK. It was accredited by the Royal College of Anaesthetists for 20 CPD points. 16 delegates attended, from the UK and Australia. There was a spread of experience from trainees through to mid-career consultants, some of whom had some prior experience working in low or middle income countries.

Teaching was delivered in a variety of formats including lectures, seminars, interviews, panel discussions and hands-on skills sessions. New this year was the opportunity to hear from colleagues around the world in a "View from" format, explaining their contexts and challenges. As always there were also many opportunities to talk, network and reflect on learning informally 'around the edges' of the formal programme.

We were once again delighted to welcome a dedicated faculty with extensive experience around the world in humanitarian and other low-resource contexts. Details of faculty and their background are provided as an appendix, as is the detailed programme.

We are pleased to report that course feedback remains consistently positive; delegates unanimously stated that they would recommend the training to their colleagues and individual sessions were rated very highly. As always, particularly valuable were the



Drawover assembly





opportunities to learn from anaesthetists around the world, and we are particularly grateful to Dr Hazel Mumpansha (Zambia), Dr Steve Pickering (Nepal), Dr Rohit Singh (Nepal), Mr Mohamed Mubarak (Somaliland), Mrs Mary Mungai (Kenya), Dr Habulu Bonsa (Ethiopia), and Dr Adam Hewitt Smith (Uganda) who gave up time to teach virtually on the course. We owe a great debt of thanks to those who made the course possible, in particular the whole faculty who work together to provide a unique and high-quality course; Kellogg College, Oxford, for their excellent facilities and welcome, the Oxford University Hospitals, Nuffield Department of Anaesthetics and Nuffield Division of Clinical Neurosciences (in particular, Niki Andrew) for their continuing administrative support.

It is our aim to continue to provide high-calibre training to anaesthetists wishing to work overseas, and thus to improve the quality and sustainability of their work to the ultimate benefit of patients in the majority world.

Dr Hilary Edgcombe (Oxford Course Director)

"Absolutely loved this course."

"So grateful for the opportunity to come to this course! Thank you so much"

"Lovely to meet likeminded people and network."

"Inspiring!"

Course delegates, 2022





Appendix 1: Course programme 2022

Tues	11:15 12:00 12:30 13:30 14:00 15:00 15:30	Welcome and housekeeping General introduction: "Global Anaesthesia" Resources I: Oxygen Coffee Clinical I: Obstetrics "View from I " Lunch Drawover systems (theory) Drawover systems (practice) Resources II: Ketamine Tea Clinical II: Trauma
Weds	09:00	"View from II"
		Global (planetary) health
		Coffee
		The aid industry
		Clinical IV: paediatrics
		Lunch Resources III: Blood / cleaning and sterilisation / old volatiles
	13.30 14.15	Resources IV: Drawover machines: good, bad and ugly
	15:00	"View from III"
	15:30	
	16:00	Visiting and being visited
	16:30	Research in 'global anaesthesia'
Thurs 09:00		Clinical practice: airway management
	09:45	
	10:45	Coffee
	11:15	Clinical V: critical care
	12:00	
		Lunch
		Resources V: Kit maintenance / donations and procurement
	14:30 15:00	New technologies "View from IV"
	15:30	Tea
	16:00	Understanding health systems
Fri	09:30 10:15	Electrical and gas safety "View from V"
	10:45	Coffee
	11:15	Psychological health
	12:00 12:30	Teaching and training: online Lunch
	12:30	Impacts of the pandemic
	14:15	Case study: short trip to Rwanda
	14:45	Physical health
	15:15	Pragmatics: NGOs, finances etc
	16:00	Close of course





Appendix 2: Faculty for ADC 2022

Mr Tim Beacon

Tim trained as an Operating Department Practitioner and subsequently became an Assistant Training Coordinator for the NW Thames Health Authority. During that time, Tim set up an outdoors adventure training company, running personal development courses, predominantly for healthcare staff. Tim has also spent 13 years in the Orthopaedic Medical Devices industry, been a University healthcare lecturer, a civilian lecturer on the UK Special Forces Patrol Medical Course, completed a post-graduate diploma in Travel Health at Glasgow Medical School and written a book called "The Gap Year Handbook: An Essential Guide to Adventure Travel". He founded and is CEO of Medical Aid International, who specialise in providing medical equipment to lowresource settings and in supporting biomedical engineers to keep it working.

Dr Nick Boyd (Bristol, UK)

Nick Boyd is a consultant in paediatric anaesthesia. He spent six months working as an anaesthetist in a rural hospital in Uganda, working with Lifebox on the pulse oximeters and WHO surgical safety checklist implementation. He has run SAFE Paediatric courses in Uganda and Malawi, and was previously the editor for WFSA publication 'Anaesthesia Tutorial of the Week'. He has most recently been involved in capacity-building work in Sierra Leone, with the Kings-Sierra Leone Partnership.

Rachael Craven (Bristol, UK)

Rachael Craven is a consultant anaesthetist at Bristol Royal Infirmary. She has a wealth of experience in the field working with MSF in Syria, Libya and Haiti among other locations. She has also been involved in training for anaesthetists on the UK Trauma Register in affiliation with UK-Med.

Dr Hilary Edgcombe (Oxford, UK)

Hilary Edgcombe is a consultant anaesthetist at Oxford University Hospitals, Oxford where her practice includes anaesthesia for transplant surgery. She has clinical and teaching experience in a number of countries in sub-Saharan Africa, including Zimbabwe, Zambia, Malawi, Sierra Leone, Kenya and South Africa. She is the Oxford Course Director for the ADC course, and faculty for the Oxford Global Surgery course.

Prof. Mike English (Oxford, UK)

Mike English is a UK trained paediatrician who has worked in Kenya for over 20 years. His work often takes Child and Newborn Health as a focus but increasingly tackles health services or wider health systems issues. He works in collaboration in Kenya with the Ministry of Health and a wide set of national and international collaborators. His work focuses predominantly on improving care in African District Hospitals.

Dr Rachel Freedman (London, UK)

Rachel Freedman is a UK-based anaesthetist who has previously worked in Uganda and now directs the RCoA Developing World Anaesthesia one-day courses.

Dr Jeanne Frossard (UCLH, UK)

Jeanne Frossard has been involved in this course for eleven years, as well as lecturing on similar global outreach course in Canada and on clinical officer refresher courses in Rwanda and Mozambique. She is especially interested in trauma management and has been on the faculties setting up Primary Trauma Care in Rwanda, MSF Belgium, China, Iraq, Jordan, the West Bank and the Gaza strip. She has worked twice in Sarajevo during the siege with an NGO called HAMD, twice with the ICRC in a war surgery hospital on the Kenyan/Sudanese border and also with MSF in Afghanistan.

Dr Adam Hewitt-Smith (Mbale, Uganda)

Adam Hewitt-Smith has many years of experience working in a low resource setting. He has a passion for paediatric anaesthesia, trauma care and teaching and alongside Ugandan colleagues, has developed a novel degree-level training programme in anaesthesia in Uganda. He is an honorary lecturer at Busitema University Faculty of Health Sciences and is registered as a PhD student at Queen Mary University of London. His research interests include perioperative outcomes and anaesthesia education in low resource settings, and he is the Uganda National Lead for the 2nd African Surgical Outcomes Study. He co-directs the ADC course acting as local co-ordinator in Mbale.





Dr Konstilia Karydi (Oxford, UK)

Konstilia Karydi is originally from Greece where she has worked in refugee and humanitarian contexts before coming to the UK. She is currently undertaking a research project with colleagues in Zambia and Somaliland about perceptions of task-sharing among anaesthesia providers.

Dr Søren Kudsk-Iversen (Oxford, UK)

Søren Kudsk-Iversen is a final-year trainee in Oxford, having successfully completed a Global Anaesthesia Academic Clinical Fellowship along the way. He has interests in the provision of safe surgery in the humanitarian space, working with colleagues at MSF and in Syria on research into surgical outcomes, as well as in sustainability and planetary health (teaching and leading our local Green Theatres project) and in education driven by local need.

Mr Robert Neighbour (Diamedica, UK) - Engineer

A former aeronautical engineer, Robert Neighbour now heads a medical equipment company specialising in the needs of the developing world. Their anaesthetic machines are based on teaming oxygen concentrators with draw-over gas delivery systems. He is a tireless supporter of anaesthetists in the developing world.

Dr Sarah O'Neill (Manchester, UK) - consultant

Dr O'Neill is a consultant anaesthetist based in Manchester, UK. She has experience in multiple locations with Medecins Sans Frontieres, including Yemen, northern Nigeria and Libya.

Dr Naomi Shamambo (Lusaka, Zambia)

Naomi Shamambo is a physician anaesthetist/intensivist trained in Lusaka, Zambia with first-hand experience of the recently developed MMed programme, who is currently working in the UK. She has extensive experience working with international colleagues visiting her country to teach, train and offer clinical services. She is currently working with Dr Karydi on a task-sharing research project.

