Global Surgery Implementation Showcase: Connection, Collaboration & Networking
March 22, 2018 | 9:00 am
Chairs: Dr. Bob Lane, President, IFSC & Dr. Lubna Samad, Indus Hospital
Facilitated by the G4 Alliance

The G4 Alliance

The Global Alliance for Surgical, Obstetric, Trauma and Anaesthesia Care (The G4 Alliance) is a global network that is dedicated to providing a voice for neglected surgical patients around the world. We bring together a network of over 85 implementing organizations, working in more than 160 countries to support education, training, service and innovation to increase access to essential surgical care for those in need. The G4 Alliance amplifies the collective voice of our members and advocates on behalf of neglected surgical patients with global leaders. We are working to build a world where everyone, everywhere, can access safe, affordable surgery when they need it.

Learn more about our network and our member organizations here: http://www.theg4alliance.org/
Our team is available to answer any questions or to help with networking: contact@theg4alliance.org

This session will provide a snapshot of organizations working to support surgical care. The G4 Alliance is working to map out global surgery, obstetrics, trauma, and anaesthesia implementing organizations. Our goal is to develop a platform that will provide governments and partners supporting the NSOAP process with a resource for networking and collaboration. Contact us to learn more or to be included in this mapping.

Implementing Organization Profiles

This session will feature the following implementing organizations:
• Arbutus http://arbutusmedical.ca/
• Assist International https://www.assistinternational.org/
• College of Surgeons of East, Central and Southern Africa (COSECSA) http://www.cosecsa.org/
• Diamedica http://www.diamedica.co.uk/english/
• Indus Hospital http://indushospital.org.pk/
• International Federation of Surgical Colleges (IFSC) http://www.theifsc.org/
• Safe Surgery 2020 http://www.safesurgery2020.org
• Smile Train https://www.smiletrain.org/
• World Federation of Societies of Anaesthesiologists (WFSA) https://www.wfsahq.org/
• 3rd Stone Design http://www.3rdstonedesign.com/

We encourage you to contact the below partners with any questions or requests for follow up.

Arbutus Medical

Arbutus Medical was born out of collaboration between Biomedical Engineers at the University of British Columbia and surgeons from Canada and Uganda. The graduate program, Engineers in Scrubs, helped to pair a group of graduate students, now the founders of Arbutus Medical, with the task of aiding surgery in Uganda. With the support of Grand Challenges Canada and other partners, Arbutus Medical has grown rapidly since its founding in 2014. To date, our flagship product, the ArbutusDrill Cover, has been used in over 30,000 surgeries across 15+ countries.
We are passionate about making a difference in the global surgery landscape. We believe that accessible technology is a major challenge preventing hospitals from providing timely, safe surgical treatment to patients. To solve this problem, we have combined expert medical engineering with a unique social enterprise model in order to design and commercialize a portfolio of medical devices that empower surgeons to treat more patients, with better outcomes, at a radically reduced cost.

Elise Huisman, Director of Impact
Ms. Elise Huisman, Co-Founder, Director Clinical, Arbutus
(elise.huisman@arbutusmedical.ca)

Elise holds a PhD in orthopaedics, and worked as a global medical device market research analyst. With 6 years of research experience she now leads clinical research and impact measurement at Arbutus. In addition to this, Elise has been leading our veterinary sales program, taking us from early sales in January 2016 to now having 1 signed European distributor and two of the top global distributors in negotiation.

Assist International

Assist International is a humanitarian organization that focuses on global health, as well as orphaned and abandoned children. Since our founding in 1990, we have worked in over 65 countries, and completed over 500 health-related projects. Assist International leads innovations for the Safe Surgery 2020 initiative. Under the Safe Surgery 2020 initiative, we work closely with ministries of health, academics, and other NGOs to provide access to safe, affordable surgery, with a special focus on preventing maternal and child deaths.

Innovations we are bringing to developing countries with GE Foundation and our many partners include workforce development training around sterilization of surgical instruments, an often overlooked, yet critical component to reducing infections. In-service anesthesia training with a focused effort to provide excellent care during the obstetric emergency. Pre-service anesthesia training designed to provide a quality and consistent education using technology, including tablets for video lectures and learning resources, and remote video mentoring. Healthcare technology management and biomedical equipment training designed to increase local capacity to repair and calibrate medical devices, which can lead to a significant improvement in both quantitative and qualitative aspects of surgical care. Medical oxygen to hospitals and clinics in rural areas with a sustainable business model and a milkman-type delivery system. Access to medical oxygen greatly improves the health and well-being of local populations, especially for people with respiratory-related illness. Safe and clean water to health facilities, refining water filtration systems to be sustainable in the local setting.

Cheri Reynolds, Director of Program Development, Assist International
(creynolds@assistinternational.org)

Cheri is Director of Program Development at Assist International and an attorney. She began her work at Assist International developing orphaned and vulnerable children programs. She left for several years to practice law and then returned recently to lead innovations for Safe Surgery 2020, a multi-partner initiative aimed to reduce preventable deaths from surgically treatable conditions.

College of Surgeons of East, Central and Southern Africa (COSECSA)
The College of Surgeons of East, Central, and Southern Africa (COSECSA) is an independent body that fosters post-graduate education in surgery and provides surgical training throughout the region of East, Central and Southern Africa. COSECSA is a non-profit that currently operates in 10 countries in the Sub-Saharan region: Burundi, Ethiopia, Kenya, Malawi, Mozambique, Rwanda, Tanzania, Uganda, Zambia and Zimbabwe.

COSECSA’s primary objective is to advance education, training, standards, research & practice in surgical care in this region. COSECSA shapes and leads the training of surgeons in the Sub-Saharan region. The College delivers a common surgical training programme with a common examination and an internationally recognized surgical qualification. Admission to the College is open to all registered medical practitioners who comply with the professional requirements for admission. COSECSA provides an e-learning portal for members and fellows called the School for Surgeons. This portal was jointly developed, and is jointly administered with the Royal College of Surgeons in Ireland (RCSI).

Pankaj Jani, MBChB, MMED, President, COSECSA
Professor Pankaj Jani, President, COSECSA (pjani53@gmail.com)

Prof. Pankaj Jani is Secretary General of the College of Surgeons of East, Central and Southern Africa (COSECSA) and Professor in the Department of Surgery, College of Health Sciences, University of Nairobi. Prof. Jani has been in practice for 30 years and holds a MBChB and MMed (Surgery) from the University of Nairobi, FRCS from the Royal College of Surgeons. He has formerly worked at New Nyanza Provincial Hospital, Busia District Hospital, Kenyatta National Hospital, Glasgow Royal Infirmary and the University of Nairobi. He has also served as the Chairman of the Gatro Society of Kenya.

Diamedica

Diamedica is a commercial enterprise with a big humanitarian heart that designs and manufactures medical equipment at its UK-based factory. This encompasses a range of anaesthesia machines plus lifesaving respiratory equipment such as our Baby CPAP and ventilators. Our equipment is appropriate, affordable, reliable and economical to use in low-resource settings, and we also undertake to support customers for the lifetime of all our products. We’ve been doing this for more than 15 years – in more than 70 different countries. The very fact that we are a commercial enterprise ensures the sustainability of our practice – while simultaneously permitting us to make meaningful charitable investments and gestures. For example, we have been the driving force for numerous Public-Private- Partnerships (PPPs) including Safe Anaesthesia for Somaliland (SANSON) and a recent refresher obstetric anaesthesia training course in Tanzania. Both these initiatives demonstrate our commitment to training in-country, while actively seeking local government endorsement to reinforce project sustainability. This sustainability is supported by Diamedica’s development of localised technology and innovations. Our Glostavent® anaesthesia machine, for example, functions when the power fails – a commonplace occurrence in low resource settings. In addition, this machine creates its own medical oxygen, which is ideal for hospitals where oxygen is scarce or unaffordable. Diamedica's targeted and dedicated approach is underpinned by our commitment to the United Nations’ third Sustainable Development Goal for Health and Wellbeing (SDG3), and also to achieving Universal Health Coverage (UHC) for 2030. That our products have received numerous international awards for their technological innovations is a great source of pride for all who work for the company.

Ms. Rachel Currie-Cathey, Business Development Manager, Diamedica (r.currie-cathey@diamedica.co.uk)

Rachel holds a dual French-English BA Hons International Business degree, specialising in International Marketing and Finance. Rachel is a highly experienced international sales and marketing professional and began her career developing and coordinating strategic business plans for global companies. She moved on to work in international sales and marketing with a leading global manufacturer where in her role as Vice-President she was responsible for starting up and developing a successful Consumer Products Division. Following a career break for family, Rachel joined Diamedica and now heads up the sales and marketing teams. Having joined Diamedica 5 years ago, Rachel brings global expertise in establishing partnerships in existing and new country markets, building local distribution networks/channels and managing product marketing and sales.
Indus Hospital

The Indus Hospital is a not-for-profit entity and is funded by the Islamic concept of WAQF, Zakat, Kahirat, Sadqat and sharing of excess wealth with the Ummah. The humble beginnings of The Indus Hospital can be traced back to the year 2005, when a group of dedicated doctors, philanthropists and businessmen came forward and pledged support for the disadvantaged communities in Karachi by establishing a state-of-the-art, free hospital. Fuelled by a passion to serve people unable to afford health-care facilities, their determination planted the seeds of a vision that culminated in the creation of a 150 bed tertiary care center in July 2007 with the philanthropic support of The Ruffaydah Foundation and The Islamic Mission Hospital Trust.

Spread over 20 acres of land and located in the densely populated Korangi area, today The Indus Hospital is a symbol of hope for the most vulnerable members of our society. It is the only initiative of its kind in Pakistan to provide premium health-care in an impressive, state-of-the-art health center completely free to everyone.

Dr. Lubna Samad, Indus Hospital (lubna.samad@irdresearch.org)

Dr. Lubna Samad is a consultant pediatric surgeon with a full time appointment at the Indus Hospital in Karachi, Pakistan. In addition to clinical pediatric surgery, she is committed to improving patient outcomes with a specific focus on focus on global health surgery delivery models particularly in LMICs. Her experience in public sector hospitals in Pakistan has informed her understanding of the many individual, social and institutional barriers that result in poor access to, and provision of, quality surgical care. Dr. Samad has worked in Pakistan since 2001. She joined Indus Hospital at its inception in 2007 and has served as Chair of the Indus Hospital Research Center from 2010-2016. As a member of the Permanent Council of the G4 Alliance, she has joined the global momentum to provide care to the neglected surgical patients. She works closely with Harvard Medical School’s Center for Global Health Delivery – Dubai, where she is involved in her capacity as faculty in furthering global surgical research in the region.

International Federation of Surgical Colleges (IFSC)

The International Federation of Surgical Colleges (www.theifsc.org) was founded in 1958. We have been in Official Relations with the WHO since 1960 and are affiliated to the UN ECOSOC Council. Our membership consists of Surgical Colleges, Associations and Societies worldwide. We promote standards of excellence in surgical care, education, training and research, predominantly but not solely, in Low and Middle Income Countries. IFSC has been actively supporting surgical training and education for 19 years running various surgical Courses and Workshops in sub-Saharan Africa. IFSC also has a particular interest in data collection with regard to countries preparing their NSOAPs and can assist with understanding existing data management capabilities and necessary scale up for a NSOAP.

Dr. Robert Lane, President, International Federation of Surgical Colleges (rhslane@gmail.com)

President of the International Federation of Surgical Colleges, Assistant Treasurer of The Global Alliance for Surgical, Obstetric, Trauma & Anaesthesia Care (The G4 Alliance), Programme Director for International Development & Past President of the Association of Surgeons of Great Britain & Ireland and Honorary Surgical Advisor to the Tropical Health & Education Trust in the UK. He has been involved in surgical education and training in both East and West Africa over the past 19 years and currently sits on Council for the College of Surgeons of East, Central and Southern Africa and is an Examiner for General Surgery.
Safe Surgery 2020

Safe Surgery 2020 takes action to support surgical teams that operate in hospitals in some of the world’s lowest-resource settings to transform patient outcomes. We are a partnership of governments, implementers, researchers and funders who believe that everyone deserves access to safe surgical care – and that we cannot achieve that goal unless we develop solutions alongside the surgical teams that face these challenges every day. Together, we aim to transform surgical outcomes for over 3 million people in 5 countries by 2020. We co-create, test, and scale programs that support surgical teams to save more lives.

Ms. Erin Barringer, Interim Director, Safe Surgery 2020 (erin.barringer@dalberg.com)

Erin Barringer is a Partner in Dalberg’s New York office. She has advised Fortune 500 companies, foundations, governments, and multi-lateral organizations on strategic planning, market entry and growth strategies, and monitoring and evaluation projects. Erin has unique sector experience in global health, including maternal, neonatal, and child health, infectious diseases, and non-communicable diseases. Within health, Erin has advised clients on the design and launch of new initiatives, development of product launch and scale-up strategies, and creation of innovative financing mechanisms. She has also helped to design and launch several multi-stakeholder initiatives. She is presently the Interim Director of Safe Surgery 2020.

Smile Train

Smile Train is an international children’s charity with a sustainable approach to a single, solvable problem: cleft lip and palate. Millions of children in developing countries with unrepaired clefts live in shame, but more importantly, have difficulty eating, breathing and speaking. Cleft repair surgery is simple, and the transformation is immediate. Our sustainable model provides training and funding to empower local doctors in 85+ developing countries to provide 100%-free cleft repair surgery in their communities. As a result of our efficiency and with the support of our donors and partners around the world, Smile Train has transformed the lives of more than one million children by giving them the power of a smile -- that’s roughly 350 surgeries a day and 128,000+ every year. Since its founding in 1999, Smile Train has provided free cleft surgery for children in 87 countries. We currently have active partners and programs in 68 countries across 5 continents.

Smile Train promotes/fosters global surgical care through various activities including support and empowerment of local surgeons, anesthesia providers and nurses in their own communities; training programs in surgery, anesthesia and nursing for medical professionals across the developing world; capacity building along the continuum of care (including community health workers); Facilitation of surgical safety checklists, safety and quality protocols, and safe anesthesia guidelines in 1,100+ hospital partners; Development and dissemination of an award-winning Virtual Surgery Simulator; the first free, open-access, web-based, interactive surgical teaching tool to train surgeons in developing countries in cleft lip and palate repair; Donation of equipment and supplies, such as pulse oximeters and anesthesia machines, to ensure safe provision of surgical care among many other activities.

Mohamed Fakhreldin, Smile Train (mfakhreldin@smiletrain.org & pdesai@smiletrain.org)

Mohamed Fakhreldin Attia Hassan is the Chief Programs Officer at Smile Train overseeing all aspects of global program development and implementation. Prior to his current role, Mohamed spent 4.5 years as Smile Train’s Regional Director for Middle East and North Africa. Under his leadership, Smile Train’s programs grew more than 60% in the region. Before joining Smile Train, Mohamed held a number of senior management positions with F. Hoffmann-La Roche Ltd and Boehringer Ingelheim in Saudi Arabia and throughout the Middle East. Mohamed holds a Bachelors in pharmaceutical sciences, Masters in industrial pharmacy, and MBA from Alexandria University.
World Federation of Societies of Anaesthesiologists (WFSA)

The World Federation of Societies of Anaesthesiologists (WFSA) strives to achieve universal access to safe anaesthesia. We unite anaesthesiologists from over 140 countries around the world to improve patient care and access to safe anaesthesia and perioperative medicine. Our programmes tackle the key barriers to access and are run in partnership with our Member Societies and other organisations that share our goals. We have official liaison with the World Health Organisation (WHO), are a founding member of the G4 Alliance and also work with governments, with other legislative bodies, with surgical organisations, with NGOs, with hospitals and with training centres.

With a focus on low resource settings we train thousands of anaesthesia providers every year, provide open access to online continuing medical education, and advocate for surgery and anaesthesia as an essential component of Universal Health Coverage. We set the international standards for a safe practice of anaesthesia and provide tools and guidance for anaesthesia capacity assessment and planning from institutional to national level.

Aaliya Ahmed, Programmes Manager, WFSA (programmes@wfsahq.org)

Aaliya has over 5 years experience working in international development. Before joining WFSA, Aaliya worked as a Global Programmes Coordinator for an international development charity. She also spent two years working in the field, in both East Africa and the Pacific. She has experience coordinating and managing large scale, multi-sectoral development projects. Her volunteering experience includes, mentoring young people at a creative writing centre, and a number of local community initiatives.

3rd Stone Design

3rd Stone Design engages in the design and development of consumer, medical, and renewable energy products. We do so directly, through sale of our own products, in joint development programs with research and non-governmental organizations, and by providing consulting services to domestic and international partners. Our process integrates user needs, environmental constraints, technological capabilities, and economic realities to create convincing solutions to difficult problems. Our work is varied, spanning from consumer products aimed at mass markets to medical devices intended for use in developing country applications. Our aim is to use the power of design to improve lives everywhere and be mindful of our impact.

Mr. Robert Milos, President, Third Stone Design (robert@3rdstonedesign.com)

Robert Miros is the Founder and CEO of 3rd Stone Design, Inc, a product design, development and commercialization firm. The company manufactures, distributes and sells lifesaving medical devices for neonates and is developing innovative products for women’s health applications and systems for last-mile vaccine delivery. Consulting product development is performed for clients ranging from start-ups to non-profits to multinationals. Mr. Miros is a serial entrepreneur and prolific inventor with over 40 patents. Miros received degrees in International Relations and Product Design Engineering from Stanford University. Robert has over 20 years of experience developing devices and still enjoys solving difficult problems.