



WEBINAR SERIES

Overcoming challenges to digitise medical devices

Speaker biographies



Tuesday 24 November 2020

Session 1

Clinical need

Lisa Hollins

Director of Innovation Delivery
NHSX

Lisa was previously the Executive Director of Improvement, Informatics and ICT, at King's College Hospital NHS Foundation Trust and Chair of the Shelford Group Transformation Directors.

Lisa is an experienced health leader and has worked in the NHS for over 25 years. Until September 2019, she was Chair of the Shelford Group Transformation Directors and has held senior positions in NHS trusts with University College London Hospitals, Barts Health and King's College Hospital as her most recent organisations.

She has held regional and national roles in quality improvement and previously published a number of articles on quality improvement and efficiency.

Dr Mickey Jachuck

Clinical Director for Cardiothoracic Medicine
South Tyneside & Sunderland NHS Foundation Trust

I was born and brought up in Newcastle upon Tyne, completed my basic medical training in London, and my specialist cardiology training in the East Midlands. I have been a consultant cardiologist back in the North East for nearly ten years, specialising in acute cardiology and heart rhythm disorders. I have postgraduate qualifications in education & training, and health and social care leadership, and have been a clinical director since 2016.

I am keen to adopt technological innovation into day to day clinical practice, with local examples including adoption of the Medtronic Reveal Linq insertable cardiac monitor, routine remote monitoring of implanted cardiac devices and piloting of the iRhythm Zio patch. I am also a subject matter editor of the South Tyneside community Health Pathways – an innovative online resource for primary care physicians, the first of its kind in the UK – modelled on the Canterbury Health Pathways in New Zealand.

Dr David Brettle

Chief Scientific Officer
Leeds Teaching Hospitals NHS Trust

David is the Chief scientific officer at the Leeds Teaching Hospitals NHS Trust. One of his main roles is delivering on innovation, technology and equipment for a significant infrastructure project in Leeds including two new state-of-the-art hospital buildings at Leeds General Infirmary that will deliver a range of adult health services and be the brand-new home for Leeds Children's Hospital. He is also the work package lead for the National Pathology Imaging Co-operative, NPIC (Project no. 104687) which is supported by a £50m investment from the Data to Early Diagnosis and Precision Medicine strand of the government's Industrial Strategy Challenge Fund, managed and delivered by UK Research and Innovation (UKRI). His main area of activity is quality in digital pathology imaging. Outside of Leeds he has an honorary chair at the University of Salford in Healthcare Science.

Prior to becoming CSO he was Head of Medical Physics and Engineering at Leeds for over 9 years; his research interests are mostly around medical imaging and especially digital image probity. He has had several patents in this field and has a strong interest in innovation, both in and out of work.

Session 2

Challenge: Security and information governance

Peter Brady

Chief Executive Officer
UOVO

Peter is a med-tech specialist with deep understanding of business and technology in the digital health and medical device sectors. He brings thirty years' experience including as director with a leading medical device manufacturer and managing consultant with renowned technology consultancies. He is an award-winning leader in innovation and product development working on strategic direction and technology management.

He has wide experience in healthcare sectors including digital health technologies, oncology, proton therapy, medical imaging, implantable devices, renal therapy, diabetes management, vascular therapy, minimally invasive surgical devices, active therapeutics, point-of-care diagnostics and drug delivery. He has a first degree in engineering and a master's degree in computer science and mathematics from the University of Surrey and has studied healthcare management at the Copenhagen Business School and Digital Transformation with MIT professional education.

Leigh Thomas

Senior VP, Director of Global Sales
Abingdon Health

Leigh joined Abingdon Health in March 2019 and leads Abingdon's global sales effort. Leigh previously spent 16 years in various senior sales roles within BBI Solutions, a lateral flow contract service group.

Bryn Sage

Chief Executive Officer
Inhealthcare

Bryn Sage is the founding CEO of Inhealthcare, a UK pioneer in digital health and remote monitoring technologies. He is also a director of parent company Intechnology plc, a role he has held since 2000.

Bryn has enjoyed a career spanning nearly 40 years in the technology sector and has held senior roles in a succession of commercially successful and innovative companies, including sales director of a £200m hardware and software distribution business and chief operating officer of a £50m cloud services business.

Bryn is a council member of Tech UK's health and social care group, a consultative panel for government and other stakeholders. He is also a member of the Harrogate Place Leadership Group and the Leeds City Region Digital Board.

Bryn passionately believes in the power of technology and enterprise to create opportunities for people to succeed in life, whatever their background, and the crucial role they will play in the Government's "levelling up" agenda.

He started his working life as a 16-year-old electrical engineering apprentice at Leeds-based computer manufacturer Systime and spent some of his early career in West Africa.

Session 3

Challenge 2: Regulation

Adrian Stavert-Dobson

Managing Director
Safehand Consulting

Dr Adrian Stavert-Dobson is a leading expert on the safe implementation of digital health technology. He operated as a Clinical Safety Officer for ten years before founding Safehand Consulting in 2016. Adrian is a former NHS doctor, software developer and health informatician and advises on all aspects of Digital Health Regulation. In 2016 Adrian published the world's first book on managing clinical risk in health IT systems.

Cliff Kirby

Chief Executive Officer
Needlesmart

Founder and CEO of NeedleSmart, Cliff successfully developed the business to proof of concept, obtained IP and attracted seed capital. Subsequently, he led multi-million-pound investment into the business which produces patented needle-destruction devices with offices in Knowsley.

Having a number of business interests in the LCR, Cliff also sits on the LCR Board of Health and Life sciences and the Board of Knowsley Chamber.

Jane Aldridge

Director
L2S2

Jane is a founder of L2S2 Ltd and is responsible for the company's strategic direction.

She identified that a regulatory compliant software and data management platform could provide the common features needed by connected medical devices. This would greatly reduce development and deployment costs, timescales and risks and allow innovators to focus on their core IP.

Since then, she has supported L2S2's development of the MMDC platform. MMDC provides regulatory compliant tools for rapid application development and deployment. These tools can cut development times by over 75%. MMDC has ISO 13485 compliant, NHS approved data management, hosting and analytics, enabling, for example, MDR compliant integration of AI algorithms with patient record systems. It complies with local requirements for identifiable patient data around the world.

Jane has been responsible for L2S2's strategic partnerships, including its partnership with Arm. This collaboration extends the benefits of MMDC's accredited turnkey compliance with medical device regulation to hardware devices.

Originally a Cambridge University maths graduate, Jane has expertise in electronic engineering and co-founded Seescan Plc, a scientific instrumentation company specialising in image analysis. Between founding Seescan and L2S2, she founded Foldermail, which developed an Outlook add-in providing data transfer services for very large attachments. Foldermail was licensed to DHL.

Session 4

Challenge: Technology

Tony Bedford

Director of Front-End Innovation
Phillips-Medisize

Tony Bedford is Director, Front-End Innovation at Phillips-Medisize and has been involved in the development of medical devices for 25 years. With a background in product design, his broad experience covers everything from innovation and market strategy to clinical research and product launch, with a focus on understanding market, stakeholder and user needs. Prior to joining Phillips-Medisize he held project management and business development roles in the consulting industry, working on a wide range of device programs. He has been specialising in drug delivery devices for a number of years.

David Fell

Product & Project Director
Caburn Solutions

David is an experienced and highly skilled mobile telecommunications professional, specialising in the health & telecare, lone worker and smart building sectors. He has an extensive background in marketing, consumer behaviour, business planning, product strategy, product development, technical sales and operational management. David has extensive international experience in telecommunications markets, developing and delivering innovative and high performing solutions together with a diverse array of partner organisations.

Dr Simon Johnson

Chief Technologist (Electronics)
CPI

In his current role Simon acts as a knowledge expert in Printable Electronics, supporting strategic and development activities in the business. While at CPI Simon has developed the electronics design and integration team to provide product design capability in the field of flexible electronic systems. He has lead the development of processes for the assembly of hybrid flexible electronic systems including printed sensors, wireless sensor systems and roll to roll circuit design. In previous roles as an academic at the University of Durham and also in industry, Simon has worked in many aspects of electronics from electronic device design and development to electronic systems and software development. He has published in electronic device failures and electronic test and has developed new electronic products for a wide range of industries. Simon studied Physics with Microelectronics at the University of Leicester, a Master of Engineering in IC Design at Durham followed by a PhD in IC Failure Mechanisms.

Session 5

Services and funding available to support connectivity

Michael Kipping

Innovate UK

Michael's background is medical devices and diagnostics, including software as a medical device (SaMD). He is an Innovation Lead at Innovate UK (UKRI) in the Ageing Society, Health & Nutrition team and is responsible for running a grant funding programme that supports innovative UK health & life science companies. Prior to joining Innovate UK, Michael worked in a range of roles in the medical device sector including the Medicines & Healthcare Products Regulatory Agency (MHRA) and prior to that, 10 years in industry. His role at MHRA was as a Group Manager and his team were responsible for the safety & surveillance of all medical devices in the UK. Michael retains a keen interest in the regulation of medical devices and diagnostics and is on the Advisory Board of TOPRA. During the 10 years Michael spent in the medical device industry, he worked for Guidant, Boston Scientific and BIOTRONIK. His focus over this period was primarily on cardiac rhythm management (pacemakers, implantable defibrillators, cardiac resynchronisation) and spent two years providing clinical and technical support before moving into commercial roles. Ultimately, he was Country Manager for UK & Eire for BIOTRONIK. During his tenure in this role, he oversaw an overhaul of the company that led to a 67% increase in revenues over a 3 year period.

Mairi Dillon

Relationships Manager

CPI

Mairi has a wealth of experience in early stage tech fundraising, project management and outward facing relationship building (public and private). She began her career in major government sponsored infrastructure projects before moving into the innovation and entrepreneurship landscape. As Head of Operations for a venture capital backed bio-tech start-up, she gained broad business experience bringing a product to market and fundraising both in the UK and abroad. Through her recent roles within the Catapult Network, Smart Specialisation Hub and Innovate UK's Knowledge Transfer Network, Mairi has built a deep understanding of how to link the research, commercial and investment worlds. CPI Enterprises is the new investor engagement and venture capital arm of CPI.

Sara Nelson

Deputy Programme Director

Digital Health London

Sara is a nurse who has worked in the NHS for over 27 years, not only in clinical roles, but also in site management and as a senior nurse for digital at Guy's and St Thomas' NHS Foundation Trust (GSTT). Her work has centred on "bridging the gap" to support the cultural change needed for digital transformation within the NHS. As part of a central knowledge hub for digital projects across GSTT, Sara and her team also provided advice and validation for clinicians looking to implement new technologies. She has an excellent understanding of the needs of NHS patients and the staff that care for them, and is passionate about bringing the benefits of new technologies to patients and professionals from across health and care more quickly.

Sara is currently enrolled in the 2019-20 NHS Digital Academy, a virtual organisation set up to develop a new generation of excellent digital leaders who can drive the information and technology transformation of the NHS. She is one of only five nurses on the course, and combines her studies with her full-time role at our flagship Accelerator programme..