



CENTRAL STERILISING CLUB - AUTUMN STUDY DAY 2022
Manchester Central Exhibition Centre
MONDAY 10th October
Is Decontamination Sustainable?



- 09:00 Registration and refreshments
- 10:00 Welcome and introduction - Jimmy Walker, CSC Chair
- Chair: Tracy Walley**
- 10:05 James Dixon - Sustainable healthcare in Newcastle NHS
- 10:35 Sharon Fox - Implementing sustainability in a working decontamination unit
- 11:05 Tea and coffee
- Chair: Mike Simmons**
- 11:30 Bu Hayee - What role can sustainability play in endoscopy?
- 12:00 Josh Blake - Sustainability of single use vs reusable endoscopy accessories
- 12:30 Amarantha Fennell-Wells – What is the evidence base for sustainable dentistry?
- 13:00 Lunch
- Chair: Graham Stanton**
- 14:00 Richard Hilson - Sustainability implementation at Frimley NHS Trust and system-wide opportunities
- 14:30 Chantelle Rizan - Improving the sustainability of decontaminating reusable surgical instruments
- 15:00 Tea and coffee
- Chair: Becky Hill**
- 15:30 Paul Chivers - Innovation and Sustainability in PPE decontamination
- 16:00 Alexis Percival – Reducing the NHS reliance on single use facemasks
- 16:30 **Final questions and close**



SPEAKER PROFILES



James Dixon

*CEnv, FIEMA, FRSA Associate Director - Sustainability
The Newcastle upon Tyne Hospitals NHS Foundation Trust
United Kingdom*

Biography

James is a Chartered Environmentalist with twenty years' sustainability experience. This has ranged from working at Newcastle City Council implementing Environmental Management Systems (ISO 14001 & EMAS), helping contribute to Newcastle being awarded UK's Greenest City two years running, to establishing the sector leading Sustainable Healthcare in Newcastle (Shine) programme at Newcastle Hospitals. This culminated in them becoming the first healthcare organisation in the world to publicly declare a climate emergency, and commit to fast-tracking decarbonisation of their services. James holds Fellowship positions at the Institute of Environmental Management & Assessment (FIEMA) and the Royal Society for Arts (FRSA) is Vice Chair of the Board at Health Care Without Harm Europe, Chairs the Shelford Group of Sustainability Leads and is Sustainability Lead for the North East & North Cumbria Integrated Care System. For three years, between 2014-2017, James also managed the engineering teams that supported the Trust's Sterile Services and Endoscopy departments at both the RVI and Freeman Hospitals. This gives James a unique perspective on the importance of decontamination services in supporting the environmental sustainability goals of the NHS.



Sharon Fox

MBA, MIDSc (Chtd)

Head of Decontamination -Sterile service contract & Endoscopy Decontamination at University Hospital Birmingham NHS.

Biography

Sharon has been in Healthcare for over 30 years starting in Sterile Service and theatres progressing to Production & Quality, Operational and National Manager roles. Sharon has taken leading roles in the Delivery, Contractual and Financial Management of Decontamination Services for both Private and NHS Healthcare providers. Sharon is currently The Head of Decontamination which covers the Third party sterile service contract and in house 'Central Decontamination service' of Flexible scopes and class II medical devices for UHB, managing sterile services provision for 42 theatres and has an accomplished BSI accredited Central decontamination unit. Sharon has held chartered membership of the Institute Decontamination Science for over 20 years (Healthcare Scientist) and held positions as Midlands Branch Chair, Secretary, and Council Representative and at Board & Council IDSc meetings. Sharon is a strong supporter of continued staff training and development.



Dr Bu Hayee

Consultant Gastroenterologist and Physician

Biography

Dr Hayee is a Consultant Gastroenterologist and Physician at King's College Hospital. He is nationally accredited for bowel cancer screening colonoscopy and has specialist interests in inflammatory bowel disease and high quality endoscopy. Dr Hayee specialises in luminal gastroenterology and has a commitment to innovation and delivering the highest quality service with an emphasis on communication, clarity of information and thoughtfulness. Dr Hayee trained at Guy's, King's and St Thomas' Medical School graduating in 1999. He was awarded MRCP in 2002 and his PhD in 2010 in which he examined the role of innate immunity and neutrophil function in Crohn's disease. In 2011 he undertook a fellowship in Japan to study advanced endoscopic techniques. He has a particular interest in sustainability in gastrointestinal endoscopy.



Joshua Blake

Endoscopy Processing Unit Manager
Salford Royal NHS Foundation Trust

Biography

Josh started working within decontamination in 2012 at the age of 16 at Ramsay Healthcare, working as a technician at a small unit in the Southwest. He soon outgrew his role as his interest piqued at the how and why behind the decontamination processes. In 2018 Josh made the move from the Southwest to a decontamination hub in Preston, where he worked for 2 years as a decontamination trainer and quality control supervisor. It was here that Josh was able to learn the ins and outs of what it takes to run a large decontamination unit and the Quality management system due to the exceptional support provided by the national decontamination lead. Josh soon took on a more active role in quality management by going to various sites and performing endoscopy decontamination audits. In August 2020, Josh took on the Endoscopy Decontamination Managers role for the NHS at Salford Royal Hospital, with the focus to implement and maintain the ISO 13485:2016 accreditation. Josh is very proud to become a committee member of the CSC and is looking forward to what contributions he can make in the future. Josh has 4 young children that keep him very busy outside of work, he enjoys taking them out for the day on long walks to explore.



Amarantha Fennell-Wells

Sustainable healthcare fellow
Welsh Clinical leadership training programme

Biography

Amarantha Fennell-Wells graduated from Bristol Dental School in 2016 and enjoyed a year living on the English south coast while undertaking Dental Foundation Training. Amarantha completed the full three years of Dental Core Training in a variety of specialties: paediatric, special care and hospital dentistry; dental public health; and a gruelling on-call rota in oral and maxillofacial surgery during the COVID-19 pandemic. Fully appreciating the important contribution that sustainability in healthcare can make in tackling the global climate crisis, Amarantha was thrilled to be appointed in 2020 as the first Welsh Clinical Leadership Fellow in Sustainable Healthcare. Amarantha is a co-founder of Green Health Wales, a national grassroots initiative looking to connect, inspire and empower people in healthcare across Wales to tackle healthcare's impact on the planet. She has been working on international efforts concerning nitrous oxide mitigation, co-authored the CSH course on Sustainable Dentistry and is part of the authorship team due to publish the first textbook on the subject.



Richard Hilson

Sustainable Healthcare Principal Consultant
Sustainable Healthcare, Gemserv Health

Biography

Richard specialises in sustainable healthcare, NHS net zero and environmental management in the Healthcare sector. In addition to 5 years in-house experience as Head of Sustainability at Frimley Health NHS Foundation Trust, delivering sustainability programmes and the Green Plan, Richard has worked in partnership with a range of public and private sector organisations to deliver sustainability learning, compliance, data and energy efficiency solutions and has recently joined Gemserv Health as Principal Consultant to support Healthcare providers and their supply chains accelerate the transition to sustainable healthcare and net zero.



Miss Chantelle Rizan

BSc (Hons), MBBCh, MRes, MRCS(ENT)
ENT Research Fellow at University Hospitals Sussex NHS
Foundation Trust

Biography

Dr Chantelle Rizan is completing the final stages of her PhD at Brighton and Sussex Medical School, in which she uses carbon footprinting and life cycle assessment methods to identify carbon hotspots within surgical operations, and to evaluate low-carbon alternative products and processes. She was awarded the Adam Weiler Doctoral Impact Award (2021) for outstanding academic impact. Her research evaluating ways to mitigate the carbon footprint of personal protective equipment used during the COVID-19 pandemic influenced national policy, featured in a WHO report, and led to interviews with BBC Radio 4, the Guardian, and Sky Arts. Other notable publications include systematic review of carbon footprint of surgery in global highest impact surgical journal, and invited leading article in the British Journal of Surgery which received high altmetrics award. She was an invited guest editor of a Planetary Health edition of the Royal College of Surgeons of England (RCSEng) publication, the Bulletin. Chantelle seeks to translate her research into practice, as founding member of the RCSEng Sustainability in Surgery working group, and as academic advisor for a national report on Net Zero Surgery in collaboration with UK Health and Climate Change Alliance. Chantelle convened a panel discussion at the COP26 WHO Health Pavilion, and is regularly invited to deliver presentations to national and international audiences, with past invitations include those from Mediciens sans Frontier, the BMJ, and the Royal Society of Medicine. Chantelle's number one goal is to build an evidence-based approach for meeting Net Zero Carbon within healthcare.



Paul Chivers

PPE Reuse, Innovation and Sustainability Lead
NHS England and NHS Improvements

Biography

Paul heads up the PPE Innovation and Sustainability Team in the NHS Supply Chain, and has been instrumental in delivering the Transparent Face Mask Specification, hosted on Gov.UK. Paul's engineering background and extensive programme and project management experience has facilitated the work he and his team are delivering through working with manufacturers and suppliers, to ensure compliant sustainable products, including transparent face masks are available for the variety of users and settings in which they are needed. Paul and his team have successfully identified a reusable Type IIR mask, which is being piloted to influence National IPC guidance to support reusable masks safely. Paul's team are looking to significantly reduce glove usage across health and social care, through the development of the Massive Open Online Course (MOOC), informing glove users about appropriate use. Paul is also liaising closely with regulators to discuss standards and specifications for reprocessing PPE and some Medical Devices. There are many opportunities, but Paul and his team are hoping to target the most influential and impactful ones initially.



Alexis Percival

Environmental and Sustainability Manager
Yorkshire Ambulance Service
CO-Coordinator for Green Drinks Leeds

Biography

Alexis is the Environmental and Sustainability Manager for Yorkshire Ambulance Service NHS Trust based in Yorkshire, UK. She started as the first Sustainability Manager for an ambulance service in the country in 2009. Her role is challenging as she works to slash the carbon footprint of the blue light ambulance service through innovative technologies in the estates and fleet as well as working with her procurement department to decrease emissions through buying choices. She is in charge of the carbon management and reduction programme implementing awareness schemes, rolling out a carbon champion scheme and installing innovative low carbon technologies across the estate. She has worked on developing low to zero emission ambulances with innovative low carbon fleet technologies. She is facilitating the roll out of the EV charging infrastructure for the ambulance service fleet on ambulance service sites as well as working with civic and other healthcare partners to ensure that additional infrastructure is implemented to support the service. She is also investigating the challenges of decarbonising the ambulance service through renewable technologies, Net Zero ambulance station design, phasing out of entonox and looking at alternative models of care. She is also working to prepare the ambulance service for climate adaptation assessing the impact of flooding, heat waves and sea inundation. She set up the GrEAN (Green Environmental Ambulance Network) in 2010, connecting all of the sustainability leads across the ambulance services of the UK to drive forward the Net Zero agenda.

She has over 20 years of experience in the environmental field as an environmental consultant working on large national and international projects in the UK as well as Brazil, Germany, Mozambique and Australia. She took a career break and spent 3 years driving around the world in an ex-military ambulance, travelling overland to Australia and then travelling around South America.