



---

# INNOVATION SHOWCASE COVID-19

---

22 April 2021

[www.thehilloxford.org](http://www.thehilloxford.org)

## Welcome

---



TheHill is the digital transformation catalyst based at Oxford University Hospitals. Our mission is to help the NHS become more efficient and effective through digital technology. We work with both innovators and our NHS colleagues to establish needs, and source, evaluate and adopt digital technologies.

We're delighted to present this virtual showcase, and to welcome our OUH and NHS colleagues from across the UK to engage with some exciting new technologies. We have both internal NHS innovators, and external digital/tech companies exhibiting today, with a focus on innovations addressing the pandemic. We encourage all of our colleagues to take this opportunity to learn something new and broaden their knowledge of what is possible.

We also thank and welcome the innovators who are here to present their ideas to NHS colleagues, and who have worked hard to create solutions to some of our most pressing challenges.

Those exhibiting their innovations are a select few of 28 companies that applied, and you'll find information about them and contact details in the following pages.


### **Megan Morys-Carter**

Director  
TheHill, Oxford

---

This showcase has been developed as part of TheHill's remit to inspire, encourage, educate and inform our community and to share impactful technological solutions to challenges in health and care.

There are no implied benefits for current or future bids and proposals, to Oxford University Hospitals NHS Foundation Trust or other public body, for companies participating in events, sponsorship or partnerships with TheHill.

A promotional banner for 'The Hill Innovation Showcase COVID-19'. It features a woman's face in the background with blue medical scan overlays. On the left, a list of topics is shown. On the right, the event title and date are displayed.

**Medical drones**

**Virtual reality for training**

**Selfie videos for vital signs**

**Fingerprint recognition for health**

**Hands-free comms under PPE**

THE HILL

What's New?

INNOVATION SHOWCASE  
COVID-19Thursday  
22 April

09:15

General Channel help desk open

**Session 1**

09:30 - 10:20

10:20 - 10:30

Break

**Session 2**

10:30 - 11:20

**Tech issues**

Speak to Marc

Marc.Huglin@ouh.nhs.uk

**Anything else**

Speak to Adele

Adele.Carvalho@ouh.nhs.uk



or Melanie

Melanie.Blanksby@ouh.nhs.uk

# Apian



EVERY PATIENT SHOULD BE ABLE TO ACCESS HEALTHCARE IN A SMARTER, FASTER AND CLEANER WAY

## Company overview

This healthcare drone startup was founded by NHS doctors in training aiming to support fellow doctors, nurses and other care workers by transforming the way the logistics they depend on are delivered. This company finds solutions to the timely and reliable delivery of supplies and pathology tests, inefficiencies in levels of stock and consumables, duplication of device sterilisation and the contribution by the NHS to congestion and air pollution. Better health outcomes and improvements in patients' quality of life are prioritised.

## Apian drones

Apian is an API that connects the healthcare and drone industries. It is also a hardware, regulatory, standards and evidence based API that simplifies the adoption of drones and helps fellow clinicians deliver a higher quality of care. Evidence-based research will demonstrate the improvement in patient experiences and health outcomes, which in turn will enable the improvement of care pathways. We can integrate drones into the healthcare ecosystem in a simple, scalable and sustainable way.

## Exhibition team

### Harry Howe

*Business Development Manager*



### Hammad Jeilani

*Co-Founder*



Improving health with smarter, faster delivery, saving money by consolidating clinical services, reducing pollution and using less fossil fuel.



07860890869



[harry@apian.aero](mailto:harry@apian.aero)

[www.apian.aero](http://www.apian.aero)

# CardMedic®



## EMPOWERING STAFF AND PATIENTS TO OVERCOME ANY COMMUNICATION BARRIER

### Company overview

CardMedic is on a mission to make patient communication in healthcare more accessible and become a movement for change. At the core of the company is an ethos of improving patient safety, experience and quality of care, and reducing health inequalities.

### CardMedic®

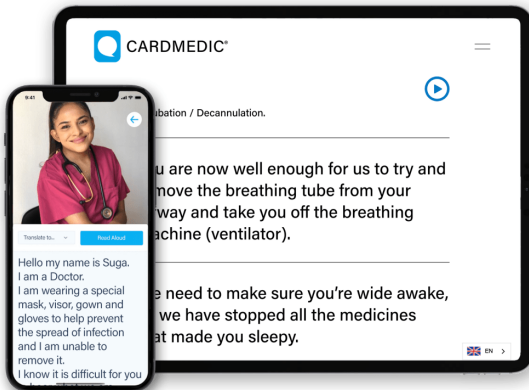
CardMedic is a flexible digital communication tool designed to improve the transfer of vital information between frontline healthcare staff and patients, no matter the barrier – be it language differences, visual, hearing or cognitive impairment, or personal protective equipment. It encompasses an A-Z collection of communication flashcards covering common healthcare topics, written by clinical experts.

### Exhibition team

**Dr Rachael Grimaldi**

*Co-founder and CEO*

CardMedic is passionate about removing barriers which create inequalities in care, they are focused on improving patient safety and health accessibility.



 **cardmedic**



**info@cardmedic.com**

**www.cardmedic.com**

# HeartHealth Ltd



## Exhibition team

### Dr Punit Ramrakha

*Cofounder and Consultant  
Cardiologist*



### Sanjana Morjaria

*Cofounder and  
Managing Director*

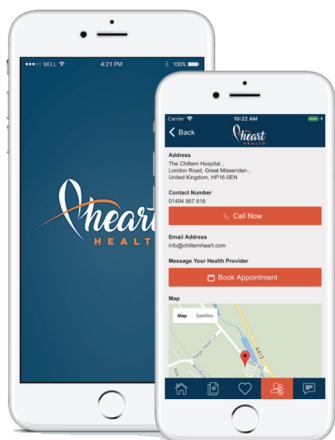
## PUTTING PATIENTS IN CONTROL OF THEIR HEALTH

### Company overview

HeartHealth was founded to help individuals take charge of their health by managing their health data more efficiently, and to collaborate with their support network, creating a more integrated approach to their healthcare. Accessing fragmented medical records can often be complex and time-consuming, potentially delaying patient care.

### HeartHealth patient record app

The HeartHealth Platform is a online portal and app providing single point of access enabling individuals to create a mobile health record, connect and share their medical records with those they trust and keep track of their wellbeing. Any record, private or NHS, can be uploaded. This remote monitoring system supports two-way communication with healthcare professionals. HeartHealth partnered with Medelinked to ensure secure storage and encrypted transmission of data. The platform is compliant with the security standards for personal health data, and undergoes regular third-party security testing.



App based health passport to manage health records, synchronise, gadgets and monitor conditions, and which is easily accessed in an emergency



01494 424317



info@hearthealth.org.uk

[www.hearthealth.org.uk](http://www.hearthealth.org.uk)

# Heuristik Health



## Exhibition team

### Antxon Caballero

*Founder and CEO*

A 360° SOLUTION TO HELP HEALTH ENTITIES WITH IDENTIFICATION & LOGISTIC PROCESSES

## Company overview

Heuristik provides fast and effective solutions for management of health staff and patient portfolios. The company is focused on the implementation of solutions in identified healthcare areas to improve health entities' logistics and patient identification procedures.

## Heuristik finger print tracking

This technology seeks to eliminate patient identification errors by combining fingerprint recognition and AI. The solution is ideal for managing Covid-19 patients by quantifying positive patients coming to the hospital and tracking them through fingerprints. In addition, real-time data are obtained, including vaccine stock monitoring and patient post vaccine evaluation.

Biometric software to identify and track patients, biometric devices to scan patients fingerprints and a cloud solution to manage all data.



34692127743



antxon@heuristik.tech

[www.heuristik.tech/en/heuristik-health](http://www.heuristik.tech/en/heuristik-health)

# Isansys Lifecare



SUPPORTING CLINICAL  
TEAMS GLOBALLY IN THEIR  
COVID-19 RESPONSE



## Exhibition team

**Keith Errey**

CEO

## The Patient Status Engine

Isansys Lifecare has developed an end-to-end patient monitoring platform which uses wearable sensor technologies to enable high resolution and high accuracy (HDU level) monitoring and advanced analytics of patient data. The Patient Status Engine (PSE) allows time for nurses to care for their patients and save patients' lives through early warning of life-threatening events. It is an hospital or remote patient monitoring platform for patients at home. The system uses wireless sensors to automatically and continuously collect multiple vital sign data simply and securely. These data are analysed and the resulting information is aggregated and presented on a dashboard and an open API for integration into the EMR. This technology improves safety and standards of safe based on continuous data and analysis, It also allows for real-time and historic reviews of the full patient history via the EMR.

Current assessments show the adoption of the PSE contributing to improved patient outcomes, reduced length of stay, lower total costs of care, and reduced administrative burden.



07702973413



[keith.errey@isansys.com](mailto:keith.errey@isansys.com)

[www.isansys.com](http://www.isansys.com)



# Perspectum Ltd



## WORLD'S FIRST INTEGRATED MULTIORGAN TEST FOR LONG-COVID



### Exhibition team

#### Janete Alves

Business Development Manager

[Janete.Alves@perspectum.com](mailto:Janete.Alves@perspectum.com)



#### Dr Catherine Kelly

Chief Informatics Officer

[Cat.Kelly@perspectum.com](mailto:Cat.Kelly@perspectum.com)

### Company overview

Perspectum delivers digital technologies that help clinicians provide better care for patients with organ disease, empowering patients and clinicians through a greater understanding of disease, enabling early detection, diagnosis and targeted treatment.

Patients are at the heart of our design. Our technology is convenient, non-invasive and supports patient engagement in their care by providing clear and understandable results.

### CoverScan<sup>MD</sup>

CoverScan<sup>MD</sup> is an MRI-based technology delivered through a Software-as-a-Service and it provides non-invasive assessment of multiple organs including the heart, lungs, liver, spleen, kidney and pancreas in a robust, speedy one-stop scan, lasting roughly 30 minutes. It can reduce healthcare costs by stratifying patients into more focused care and support the development of evolving treatment approaches. It provides an effective method for robustly monitoring patients suffering from organ damage, due to, or exacerbated by, COVID-19 infection.

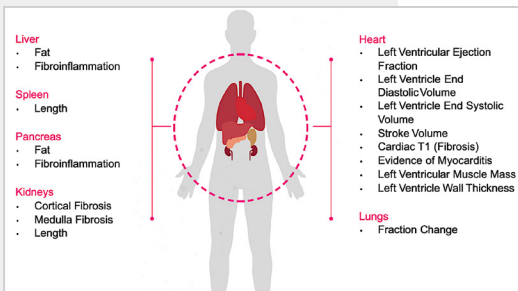
**CoverScan<sup>MD</sup> as a healthcare  
tool to help assess and manage  
Long-COVID patients can reduce  
healthcare costs.**



**01865655325**



**[info@perspectum.com](mailto:info@perspectum.com)**



**[www.perspectum.com/coverscan](http://www.perspectum.com/coverscan)**

# Perfexia Health Technologies



You do the selfie,  
we do the rest.

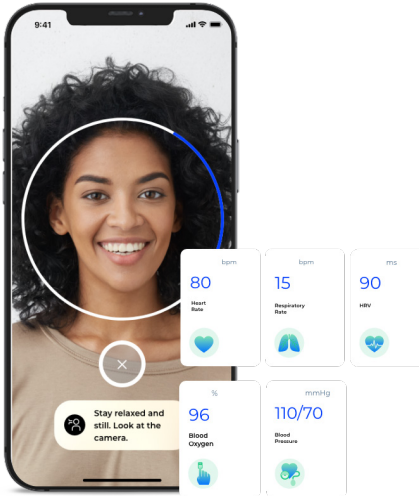
VITAL SIGNS,  
FROM A SELFIE



## Exhibition team

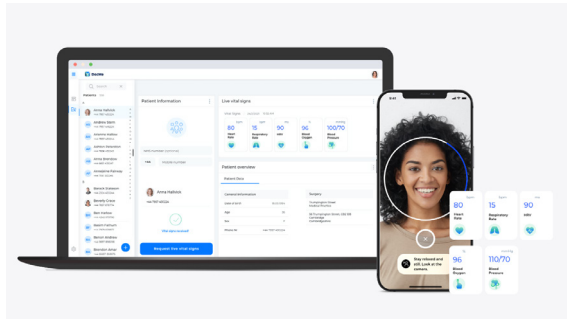
**Pratay Poddar**

*Chairperson and CEO*

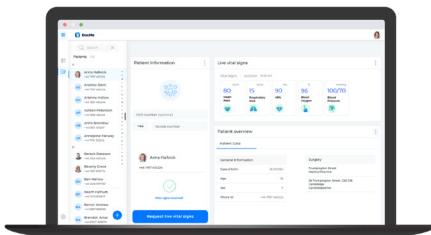


## DocMe

DocMe - a UKCA certified Class I medical device - uses advanced machine learning to measure vital signs from a selfie in real-time with medical-grade accuracy anytime, anywhere. DocMe is now in the top three products listed on Product Hunt. DocMe addresses the main disadvantage of remote consultations- the inability to conduct any clinical examinations such as checking vital signs.



Measure, monitor and access essential health information in one place. With our deep learning models, you can take a selfie and receive vital signs monitoring in real-time with accurate data anytime, anywhere.



07449273726



[pratay@perfexia.health](mailto:pratay@perfexia.health)

[www.perfexia.health/DocMe](http://www.perfexia.health/DocMe)

# Vatic Healthcare



PAIN-FREE TESTING THAT  
DOESN'T GET IN THE WAY

## Company overview

Vatic Healthcare is an Innovate UK and VC backed start-up, supported by the University of Oxford and the Oxford Foundry. The team are scientists, engineers and designers working towards solving the world's most critical healthcare problems.

## Vatic KnowNow SARS-CoV-2 Rapid Saliva Antigen Test

The KnowNow test, invented, developed and manufactured in the UK, is the first saliva swab test for COVID-19. CE Marked and MHRA registered, the test can identify an active COVID-19 infection from just a mouth swab in 15 minutes. It is based on innovative patented technology designed to boost the accuracy of lateral flow testing, as the detection method uniquely leverages the cell entry mechanism of the virus.

Saliva-based, 15 minute, equipment-less test to identify an active COVID-19 infection. The only COVID-19 test that can delineate between infectious and non-infectious viral copies.



07734138409



[alex@vatic.health](mailto:alex@vatic.health)

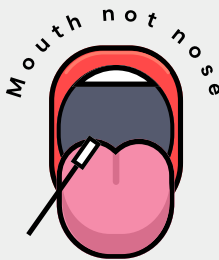
[www.vatic.health](http://www.vatic.health)



## Exhibition team

**Alex Sheppard**

*Co-founder and CEO*



91.4%  
sensitivity

99.9%  
specificity

# Virti Healthcare

v i r t i

## Exhibition team

**Stephen Hart**

CEO

IMPROVING HUMAN PERFORMANCE  
THROUGH EXPERIENTIAL TRAINING  
AFFORDABLE AND ACCESSIBLE TO  
EVERYONE ON THE PLANET

## Company overview

Virti combines cognitive science and data science insights to translate training into real world performance. Our technology delivers emotional and perceptual fidelity to embed training and stimulate retrieval practice. We make training fun and convenient with gamification and interleaving content formats that are on demand and repeatable.

## Virti platform

The Virti platform enables organisations to create, distribute, and analyse training on Virtual Reality, mobile device, and desktop browser. By exploiting this technology Virti has supported NHS to increase the speed of training, reduce reliance on face to face training, and decrease the costs in time and money of deploying training to teams and individuals.

Using XR, AI and gamification to help  
employees learn faster and remember  
training for longer.



07710514942



stephen@virti.com

www.virti.com



# Vocera Communications



## Exhibition team

### Shaun Chard

*Area Sales Manager*

## ANNOUNCING VOCERA VINA WHERE PATIENT SAFETY COMES FIRST

### Company overview

For more than 20 years, Vocera Vina has been on a mission to improve the lives of healthcare professionals and patients around the world. Our unique hands-free communication solutions can be worn under protective personal equipment, minimising the number of times a clinician must don and doff PPE, helping preserve this valuable resource and reducing the risk of contamination.

### Vocera platform

The Vocera platform is critical for managing clinical operations and safeguarding staff during this COVID-19 pandemic. It enables doctors, nurses, and other staff on the frontlines to communicate quickly with meaningful patient, event, and care team context inside and outside the hospital, improving bed access, capacity, and operational efficiency. It also enables hospitals to manage patient care and large-scale triage operations effectively.



A smartphone app that lets you see the most important communications first in an intuitive, customisable way.



0730 628 1282



[schard@vocera.com](mailto:schard@vocera.com)

[www.vocera.com/getVina](http://www.vocera.com/getVina)

We were only able to select a few of the companies that applied for the Showcase, you may also be interested in the other applicants' innovations

Coggi Technologies	pep@coggi.co.uk	www.coggi.co.uk
Cognitant Group Ltd	daisy.allington@cognitant.com	www.cognitant.com
MITIS Health	paul.cornell@mitis.health	www.mitis.health
B3 Digital Solutions	azhars@b3-ds.com	www.b3-ds.com
The Baby Academy	brian@mybabyacademy.co.uk	www.mybabyacademy.co.uk
uMore	alex@umore.app	www.umore.app
INOCER	tolga.erol@gmail.com	www.inocer.com
Rohme Recruitment of Healthcare and Medical Experts	fabio@rohme.uk	www.rohme.uk
MedLogic Ltd	j.wijeyekoon@nhs.net	www.medlogicdb.co.uk
doc2uk Ltd	naveen@doc2uk.com	www.doc2uk.com
Databiology Ltd	les.mara@databiology.com	www.databiology.com
Marpe Wellbeing	Oluwatobi.coker1@nhs.net	marpewellbeing.uk
One Million Steps	ranjit@millionsteps.com	www.millionsteps.com/individuals
Medicine Avenue	hala@platpharma.com	www.PlatPharma.com
Dignio	ewa@dignio.com	www.dignio.com/en
Sentispec	lw@sentispec.con	www.SentiSpec.com
Canley Digital Healthcare	rajmaher@okdok.co	www.okdok.co
Canary Care Global Ltd	stuartb@canarycare.co.uk	www.canarycare.co.uk
R-Outcomes Ltd	tim.benson@r-outcomes.com	www.r-outcomes.com

*Please join us at our  
next Social Mixer*



**THE HILL  
Social Mixer**

**Digital health ecosystems**

**Thursday  
29 April 2021  
18:00 – 20:00  
UK time**



**David Walliker**  
Chief Digital and Partnerships  
Officer, OUH NHS FT



**John Hoeksma**  
Chief executive,  
Digital Health



**Dee Dee Wallace**  
Health and Care Innovation  
Lead, Innovation Hub,  
Oxfordshire County Council

[www.thehilloxford.org](http://www.thehilloxford.org)

Bringing together people with a passion for digital innovation in health and care.

*Subscribe to our  
newsletter*



*Follow us on  
LinkedIn*



*Follow us on  
Twitter*



*Subscribe to  
our podcast  
Launching  
soon*



[www.thehilloxford.org](http://www.thehilloxford.org)