

In association with







ARTIFICIAL INTELLIGENCE IN PRACTICE 2021 Virtual event CPD: 8 CREDITS (4 PER DAY)











A Novartis Company

Bayer have part funded this event

ARTIFICIAL INTELLIGENCE IN PRACTICE 2021



Virtual event

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After the success of the last three artificial intelligence events in 2018, 2019 and 2020 jointly organised by The British Institute of Radiology in association with The Royal College of Radiologists, we are back again in 2020. This time it will be even bigger and better with a new format-VIRTUAL!

This year's event will be held across two-days with afternoon sessions appealing to our multidisciplinary audience.

We invite all radiologists (consultants and trainees), radiographers, physicists, oncologists as well as other healthcare professionals and those with an interest in AI to join us at this exciting event.

All sessions will be recorded and avaiable to those registered on-demand if you are unable to attend the live event.

Programme Organisers

Dr Hugh Harvey, Managing Director, Hardian Health

Dr Amrita Kumar, Consultant Radiologist, Frimley Health

Sponsors

A special thank you to this years' sponsors



ARTIFICIAL INTELLIGENCE IN PRACTICE 2021 CPD: 4 credits

Day 1 – Thursday 28 January 2021

13:00	Welcome and introduction	15:15	iCAIRD Experience Dr Gerald Lip, Clinical
13:05	Connecting our hearts – Al in cardiovascular medicine Dr Declan O'Regan, Professor of Imaging Sciences, Imperial College London		Director, North East of Scotland Breast Screening Service, Chief Investigator, Mammography AI project as part of iCaird, University of Aberdeen
13:25	Q&A	15:35	Q&A
13:30	Value of AI for patients Professor Saurabh Jha, Assistant Professor, University of Pennsylvania	15:40	Procurement Journey in the NHS: Brainomix Experience' Mr Riaz Rahman, VP
13:50	Q&A		Healthcare Global, Brainomix
13:55	What you need to know about the new MDR and UKCA regulations	16:00	Q&A
	Dr Hugh Harvey, Managing Director, Hardian Health	16:05	Is the NHS to slow to adopt – Panel discussion
14:15	Q&A		Mr Dominic Cushnan, Head of Al Imaging, NHSX; Dr Kiruba Nagaratnamv,
14:20	Al in Radiology – from technical innovation to clinical benefit Mr Hasan Jouni, Business Development Manager - Digital Health, Siemens Healthineers		Consultant Stroke Physician and Geriatrician, Royal Berkshire NHS Foundation Trust; Mr Hassan Chaudhury, Digital Health Specialist, Healthcare UK
14:40	Opportunistic identification	16:30	Close of day 1
	of coronary calcium on non-cardiac CTs to flag patients at risk of future cardiovascular event Dr Orit Wimpfheimer, Chief Medical Officer, Zebra Medical Vision		
15:00	Refreshments		

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Day 2 – Friday 29 January 2021

13:00	Welcome and introduction	15:35	Q&A
13:05	Latest updates on data governance and ethics Ms Jessica Morley, Policy Lead EBM DataLab,	15:40	Health economics for the NHS for AI adoption Speaker TBC
	University of Oxford	16:00	Q&A
13:25	Q&A	16:05	Values framework for deals between NHS and Industry
13:30	Adoption of AI into the NHS - realities/ experiences Dr Indra Joshi, Director of AI, NHSX		Dr Claire Bloomfield, CEO, National Consortium of Intelligent Medical Imaging
13:50	Q&A	16:30	Q&A
13:55	What do the patients think? Dr Liz O'Riordan, Breast Surgeon with breast cancer and patient advocate	16:35	Fostering a strong ecosystem for Al in medical imaging Dr Geraldine McGinty, President of the American College of Radiology, Chief Strategy Officer, Weill
14:15	Q&A		Cornell Medicine
14:20	Industry talk Mr Jeroen van Duffelen,	16:55	Q&A
	COO and Co-founder, Aidence and Dr Lizzie Barclay, Medical Director, Aidence	17:00	Close of event
14:40	Industry talk Speaker TBC		
15:00	Refreshments		
15:15	A Culture of Continuous Privacy Compliance Mrs Karima Noren, Co- Founder, The Privacy Compliance Hub		

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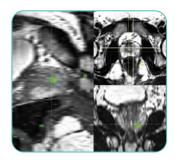
Product spotlight: Watson Elementary

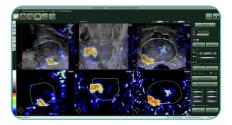
Fast malignant lesion detection

The Watson Elementary software has incorporated deep learning and artificial intelligence (AI) neural nets to produce an accurate and exceptionally fast prediction of a suspicious lesion in the prostate. The system has also utilised AI to ensure that the new feature of auto-segmentation of the prostate is reliable and precise. It's core is embedded in AI and AI will continue to help guide it's development.

Reach beyond today

- Automatic fast image co-registration of T₂WI, Diffusion Weighted (DWI) and Dynamic Contrast Enhanced (DCE) MR images, works without DCE too
- Automatic image resolution matching
- Automatic Apparent Diffusion Coefficient (ADC) map generation
- Automatic DCE model fits
- Real time per-pixel data access
- Synchronized side-by-side 3D viewing
- Synchronized parameter overlays
- Automatic standard report generation
- Extended annotation of ROIs and prostate outline
- Easy PI-RADS 2.1 scoring
- Workflow checklists
- DICOM Structured Reporting with worklist support
- DICOM RTS Export





Contact OSL and arrange a demo today.

Oncology Systems Ltd +44 (0)1743 462694 enquiry@osl.uk.com osl.uk.com



ZEBRA MEDICAL VISION

2014 ESTABLISHED

AI FOR MEDICAL IMAGING A 28\$ MARKET BY 2023



THE CHALLENGE

The demand for medical imaging services is continuously increasing, outpacing the supply of qualified radiologists and stretching them to increase output, without compromising patient care.









2

WE TRANSFORM PATIENT CARE USING AI

Zebra-Med uses AI to empower radiologists and help them along with health prov manage the ever increasing workload without compromising quality of care.

OUR METHODOLOGY

We teach computers to automatically read and diagnose millions of medical imaging studies with clinical records to create high-performance algorithms that detect medical conditions faster, for numerous findings in parallel.

ZEBRA-MED SOLUTIONS

Using 30M patient scans with associated clinical data, we provide a wide range of AI products for Radiology, Cardiology, ER and more. A wide range of AI products for radiology, integrated into the workflow.



COLOR	Bone Health Solution - VCF identification vertebral compression fractures in an effort to help stem the widespread impact of osteoporosis. $\zeta \in $
T	Cardiac Solution - CCSng analyze existing coronary data to provide an 'early-warning' system for asymptomatic suffers from coronary artery disease.
()	Neuro Solution - ICH, MLS a radiological computer-aided triage and notification software indicated for use in the analysis of adult non-contrast head CT scans for ICH and MLS successful contrast the source of the sou
GD	COVID19 Solution relieves the burden on health systems globally by providing timely decision support tools for clinicians.
	Terrengenere Chest solution: Abnormal Chest X-ray. Pneumothorax (FDA,CE), Pleural Effusion



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Abnormal Chest X-ray. Pneumothorax (FDA,CE), Pleural Effusion (FDA, CE), Pulmonary opacities (Investigational use), Free air (Investigational use). A suite of radiological triage and notification software that automatically flag clinically significant findings.

Normal Chest X-ray. A radiological workflow tool to optimize the reporting on chest x-rays with no radiological evidence of clinically-significant abnormalities. Not commercially available in the US, for investigational use only.





11 PUBLICATIONS

A robust mix of data science, clinical research and collaboration

clinical research and collaboration: to achieve game changing results medicine



2ebra-med's acute CKR pneumothorax and CT Brain bleed products demonstrated a promising potential to substantially reduce urn around time and increase the radiologist's confidence in subict theme diamonce?

> DR. TERENCE A. MATALON CHAIRMAN OF IMAGING, LBERT EINSTEIN MEDICAL CENTER



DISTRIBUTION CHANNELS FOOTPRINT Over 10,000 hospitals in 40 countries



PROVEN ROI

TRIAGE: 85% Reduction in time to detect Pneumothorax and Intracranial Hemorrhage cases



were quite pleased with the Zebra ot and results, and as such are iding our use of the technology to ase the patient flow into our FLS





6 Clearances

CE

10 Marks

FDA



and are adapting to the integration of AI results into real-time radiology reporting...

DR. KEITH WHITE DICAL DIRECTOR, IMAGING SERVICES, INTERMOUNTAIN HEALTH

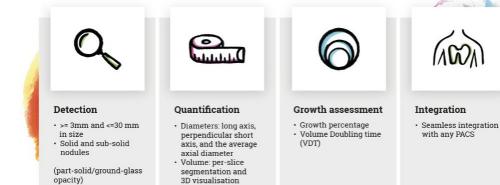


Veye Chest

your AI lung nodule management assistant



Veye Chest clinical features



Why radiologists choose Veye Chest:

"I love the detection indications. It is a simple yet effective solution that really helps me to report nodules faster. I directly know where to find them."

Dr. Caroline McCann, Liverpool Heart and Chest Hospital NHS Trust Foundation (UK)

"Veye helps us read CT chest scans faster because it provides clear markers for nodules."

Dr. Floris Rietema and Dr. Paul Algra, Northwest Clinics (the Netherlands)





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Virtual event





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