

Enhancing Capsule Endoscopy Efficiency with AiSPEED™

AGENDA

1. CorporateHealth
2. Capsule Endoscopy (CE)
3. AI for Capsule Endoscopy
4. Certification
5. Future



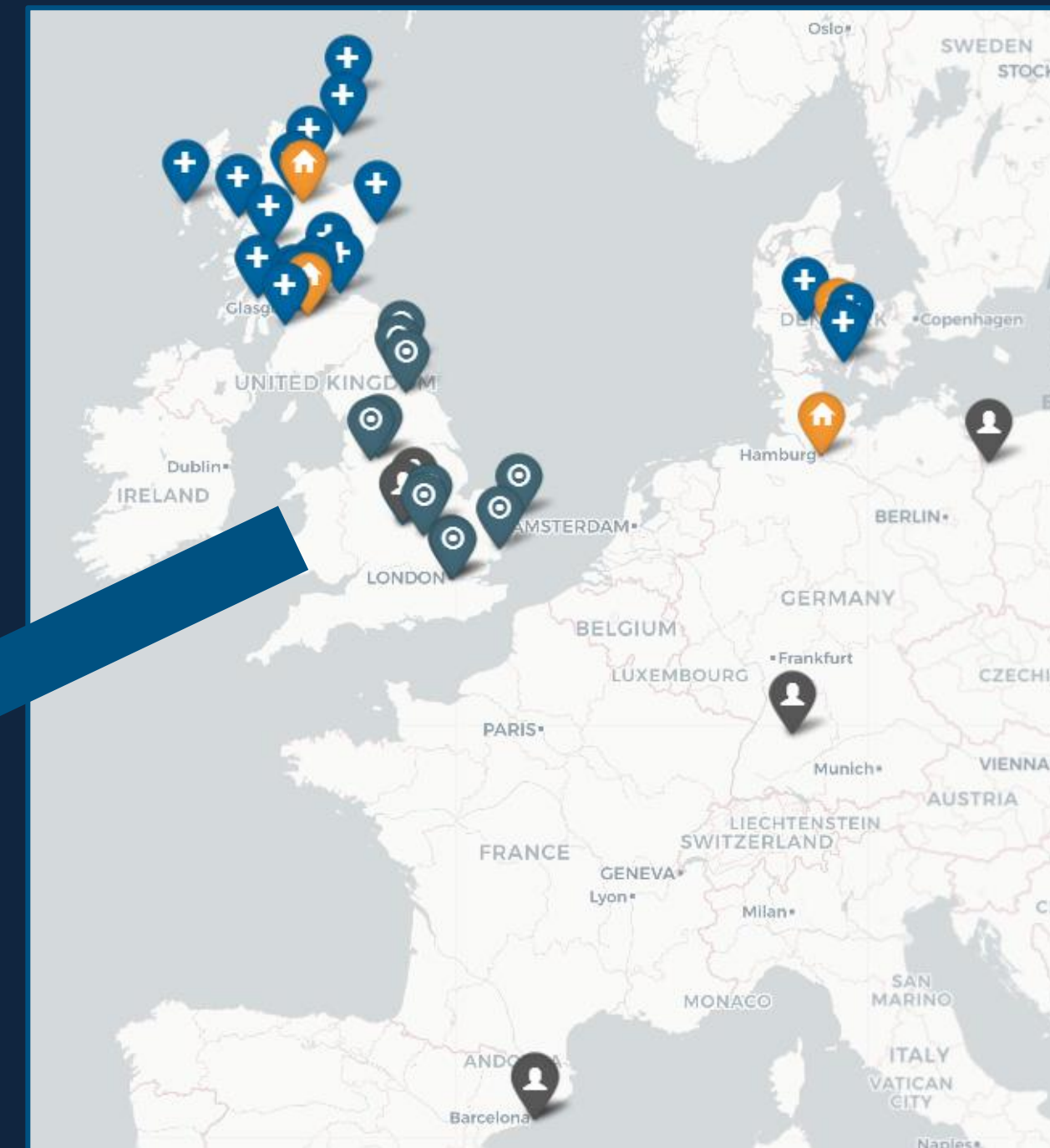
WE OPERATE A SCALABLE CAPSULE SERVICE DELIVERY SOLUTION THROUGH NORTHERN EUROPE AND THE US

IN NUMBERS

>7,000 CE procedures to date
6 clinical trials supported
3 AI development projects
> 25 peer-reviewed articles enabled

AN EXPERIENCED TEAM

20 Nurses
7 Healthcare assistants
40 Pre-readers
10 Validators
10 Technologists



VIDEO CAPSULE ENDOSCOPY

A camera in a pill which visually inspects the digestive system and accurately detects pathology from polyps to cancers

- + Evidence shows high diagnostic accuracy of CE
- + Capsules capture up to 400,000 images of the GI tract

MDT: PillCam Colon

Colon Capsule since 2007



ANX Robotics: NaviCam Colon

Colon Capsule since 2021



JINSHAN: OMOM

New Colon Capsule in 2023



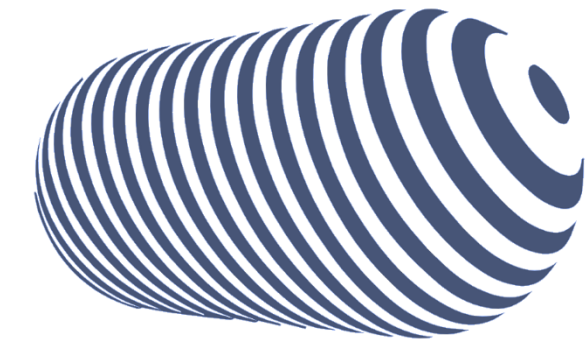
USING OUR EXPERIENCE PROVIDING CAPSULE ENDOSCOPY WE HAVE DEVELOPED AN AI TOOL FOR VIDEO ANALYSIS

- + Through our project **CESCAIL** (Capsule Endoscopy delivery at Scale through enhanced AI anaLysis) we developed **AiSPEED™**
- + **AiSPEED™** uses **AI** to score images based on the probability of containing a polyp
- + Clinical trials are ongoing to demonstrate the accuracy and efficiency in a large scale, real-world deployment

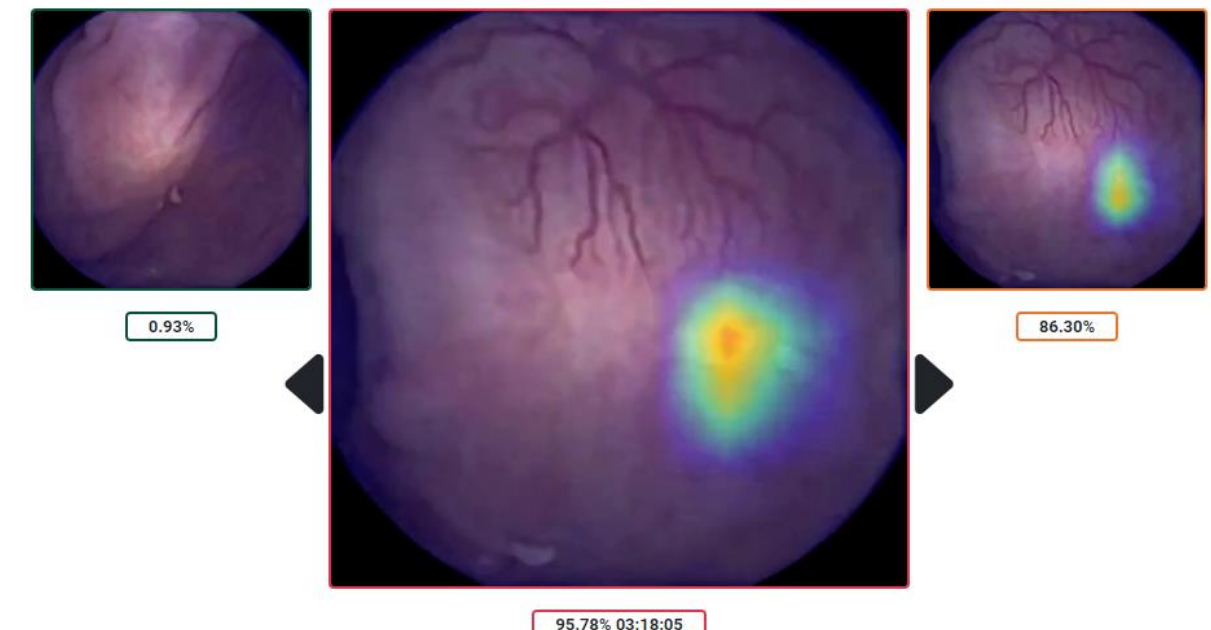
NIHR | National Institute
for Health Research



Innovate
UK

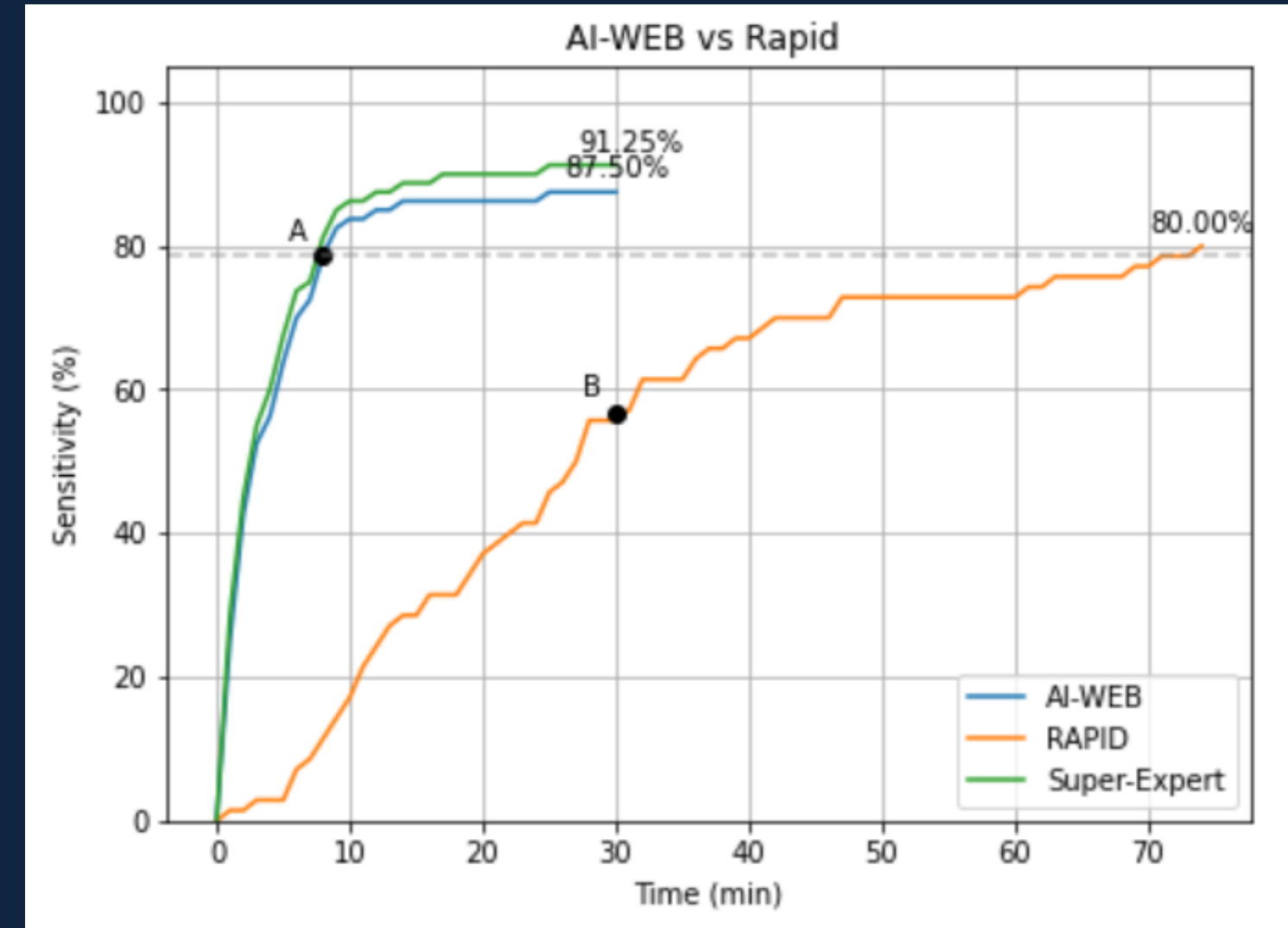


CESCAIL



AISPEED™ PROVIDES PROBABILITY SCORES USING EMBEDDED NEURAL NETWORKS

- + **Neural Networks were trained using 2100+ polyp images**
- + **Ahead of clinical trial validation, capsule analysts using prototypes already show improvement**



Mean sensitivity curve comparing prototypes with RAPID

Gilabert, P., Vitrià, J., Laiz, P., Malagelada, C., Watson, A., Wenzek, H. and Segui, S., 2022. Artificial intelligence to improve polyp detection and screening time in colon capsule endoscopy.

COLLABORATIVELY DEVELOPED, AiSPEED™ ENHANCES CAPSULE ENDOSCOPY EFFICIENCY WHILE MAINTAINING DIAGNOSTIC ACCURACY

- + **CESCAIL** brings together an expert international team
- + **Our extensive experience in delivering capsules provides unique insights and ensures effective real-world deployment**



UNIVERSITAT DE
BARCELONA

University Hospitals 
Coventry and Warwickshire
NHS Trust



AISPEED™ HAS BEEN BUILT TO BE FULLY COMPLIANT WITH MEDICAL DEVICE STANDARDS

- + Effective and compliant infrastructure has been created at CorporateHealth for the design, development and deployment of medical devices**
- + Compliance under new EU AI Regulations ensures we are keeping pace with the regulatory landscape and are future-proof in our developments**



AI IMAGE ANALYSIS CAN IMPROVE CLINICAL EFFECTIVENESS AND QUALITY

- + In providing high quality, more efficient capsule endoscopy analysis, **AiSPEED™** delivers a range of benefits
- + AI is the future of capsule endoscopy, improving success, quality and capsule endoscopy cost effectiveness

