

digitalhealth

**REWIRED**  
LONDON 14-15 MARCH 2023

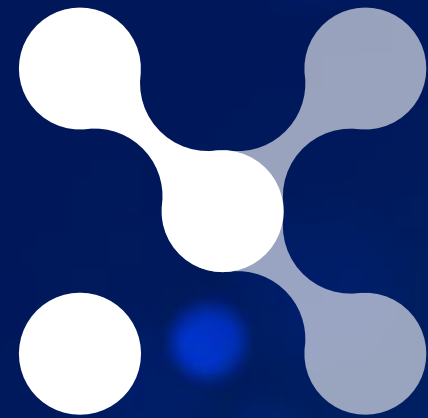
Headline Sponsors:



# Mitchell O’Gorman

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CEO,  
xWave Technologies



XWAVE  
TECHNOLOGIES

WE SAVE LIVES BY ENSURING THAT PATIENTS GET

**THE BEST TEST FIRST**

# Our Team



**Mitchell  
O'Gorman**

CEO

Former MD



**Prof. Ronan  
Killeen**

CLINICAL DIRECTOR

Chair of Radiology



**Prof. Eric  
Heffernan**

CLINICAL GOVERNANCE  
DIRECTOR

Consultant Radiologist



**Anne Sophie  
Delabie**

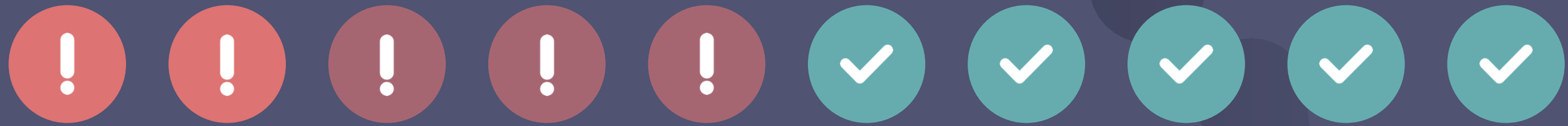
CLINICAL SAFETY OFFICER

Clinical Specialist  
Radiographer



# Problem #1: Referring

"20% - 50% of advanced imaging is unnecessary"



xWave delivers **better patient outcomes with less stress** and **hospitals save costs & time saving while increasing reputation**

# Our Clinical Decision Support Partners

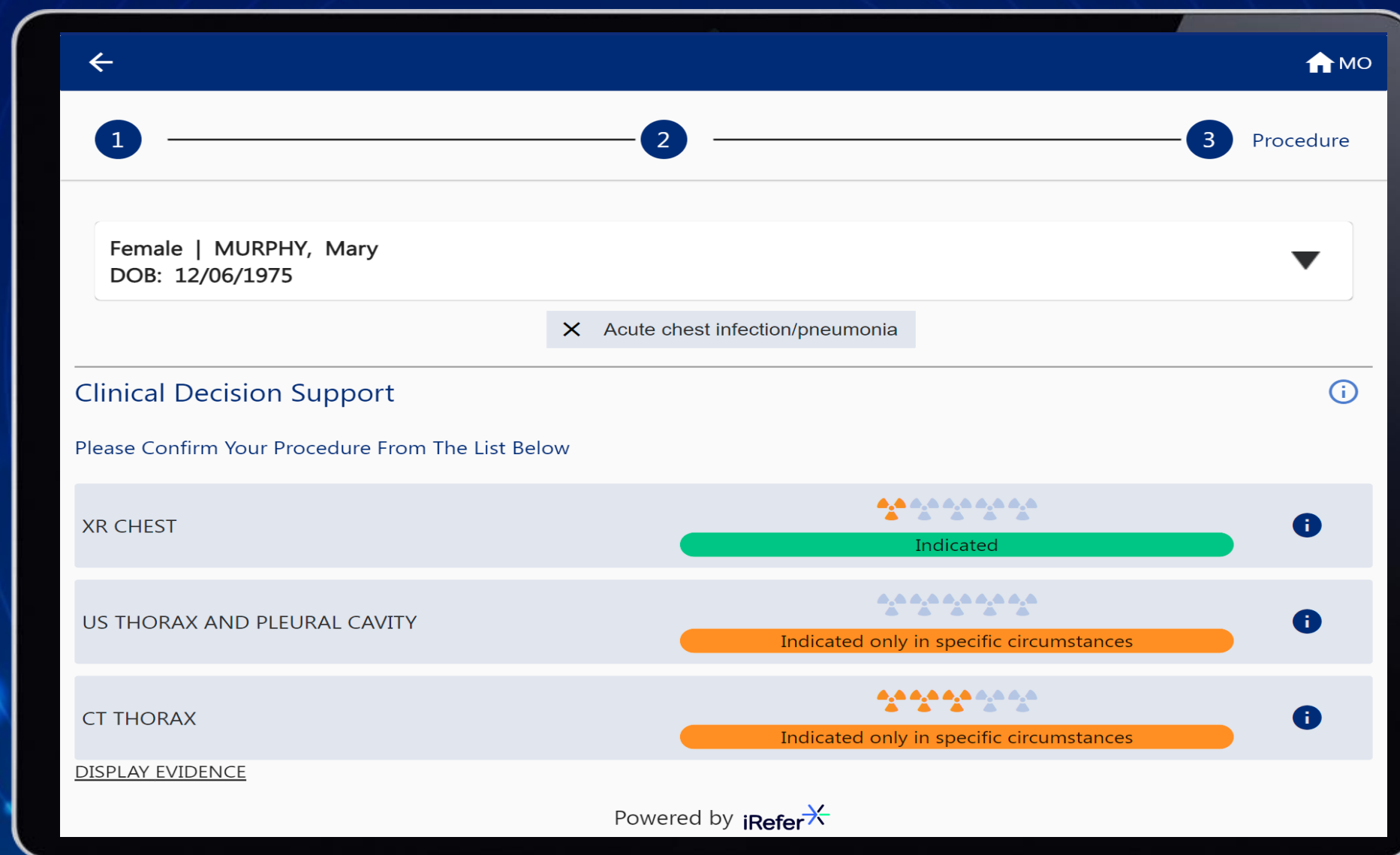


# xWave Clinical Decision Support System - Referring

Improve Patient Outcomes

Reduce Radiology Backlog

Improve Clinician Experience



# NHS England CDS Funding

- Digital Diagnostic Capability Programme
- GP Direct Access Programme



**Does it work?**

# xWave CDS Results to Date



APPROPRIATENESS

61%

Reduction in duplicate and unnecessary referrals

(Source: Preliminary data from a 2 year audit of the platform presented at Faculty of Radiologists Annual Scientific Meeting, RCSI, Sept 2022)



THE ROYAL VICTORIA  
EYE AND EAR  
HOSPITAL DUBLIN

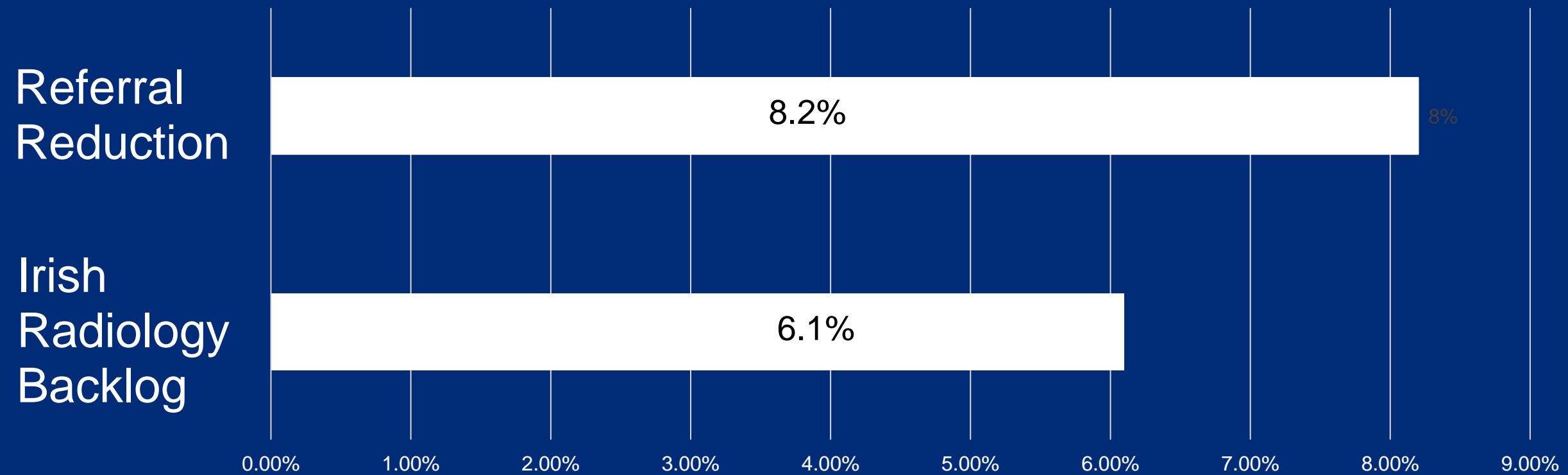


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PRIVATE HOSPITAL  
Elm Park



ST. VINCENT'S  
UNIVERSITY HOSPITAL  
Elm Park

# xWave CDS Results to Date



(Source: Preliminary data from a 2 year audit of the platform presented at Faculty of Radiologists Annual Scientific Meeting, RCSI, Sept 2022)



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# xWave CDS Results to Date



## CARBON EMISSIONS

# 13.5%

Reduction in carbon emissions

(Source: Preliminary data from a 2 year audit of the platform presented at Faculty of Radiologists Annual Scientific Meeting, RCSI, Sept 2022)



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# xWave CDS Results to Date



## RADIATION EXPOSURE

27%

Reduction in radiation exposure per patient

(Source: Preliminary data from a 2 year audit of the platform presented at Faculty of Radiologists Annual Scientific Meeting, RCSI, Sept 2022)



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# xWave CDS Results to Date



EFFICIENCY

>99%

Reduction in time to get referrals vetted and ready for scheduling

(Source: Data from xWave CDS platform  
Jan 2021 – May 2022)



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# Problem #2: Vetting

# Vetting IS BROKEN



**2.4 minutes**



**100s of referrals**



**29% shortfall**



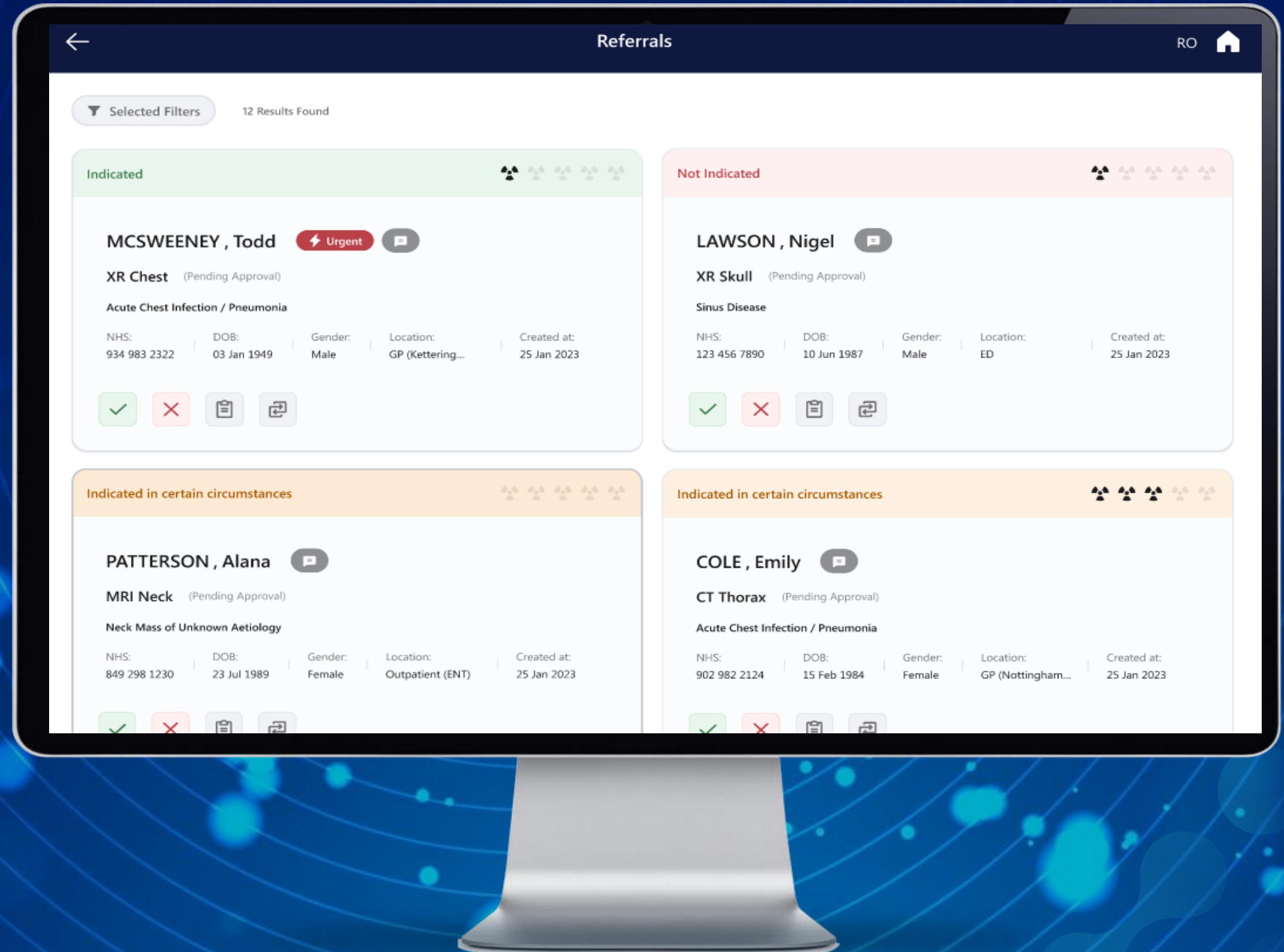
# xWave Clinical Decision Support System - Vetting

▶▶ >99% Faster



Democratise Vetting

✓ Auto-Vetting



# What's Next for CDS?

Intelligent Clinical  
Decision Support (ICDS)

1. AI analyses  
radiology reports  
in order to  
**learn about patient  
outcomes**

e.g. the scan found  
something/nothing

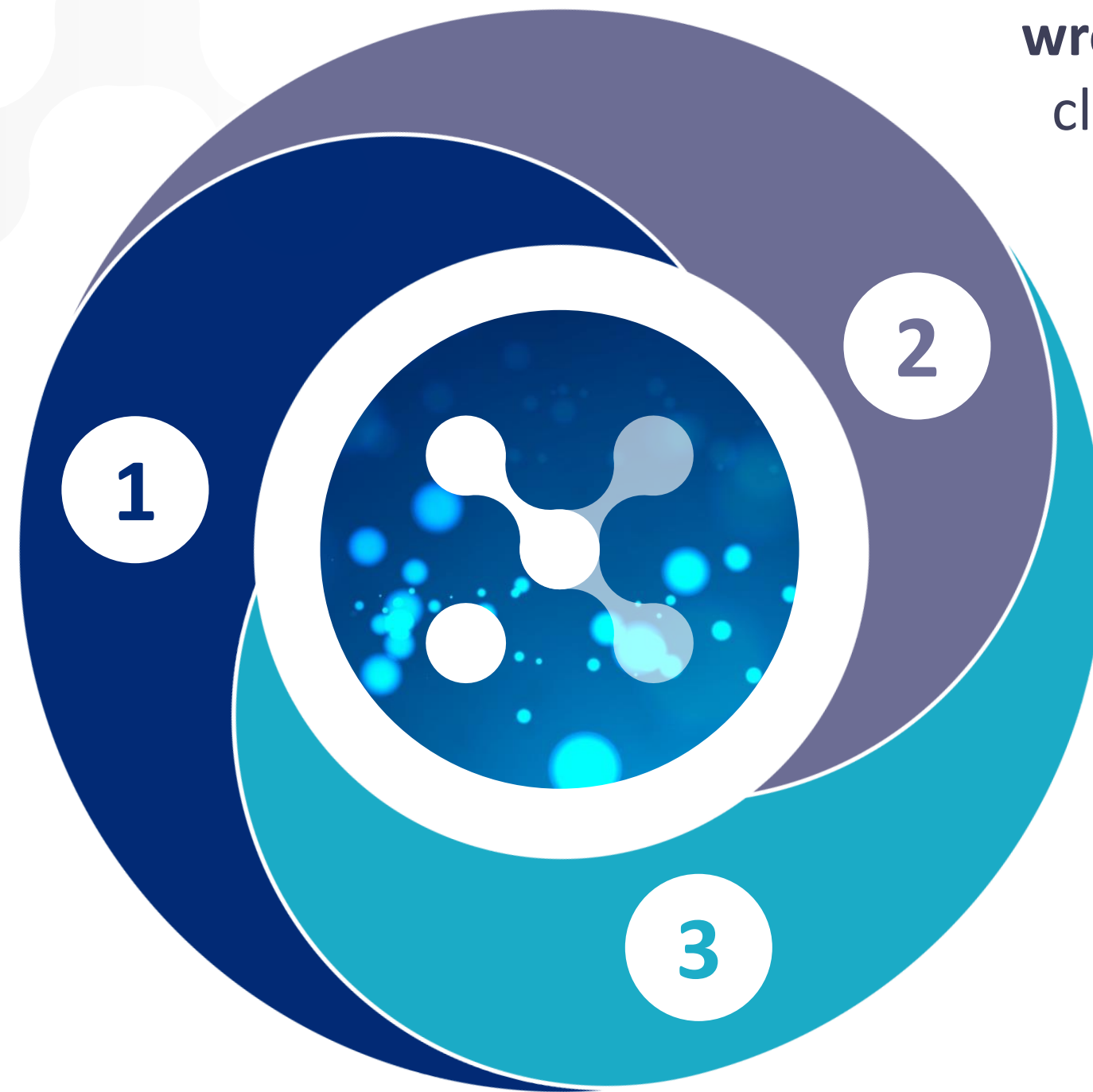
2. CDS predicts **what might be  
wrong with a patient** based on  
clinical information provided

e.g. 10% chance of  
brain tumour

3. predicts  
**the most accurate scan  
for the patient problem**

e.g. Chances of detecting  
brain tumour:

CT Brain	MRI Brain
10%	30%



**Improving Patient  
Outcomes**

**Reducing Unnecessary  
Tests**

**Speeding Up Referrer and  
Radiology Workflows**



**Contact:  
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