

UHSdigital

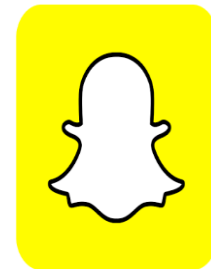


University Hospital  
Southampton  
NHS Foundation Trust

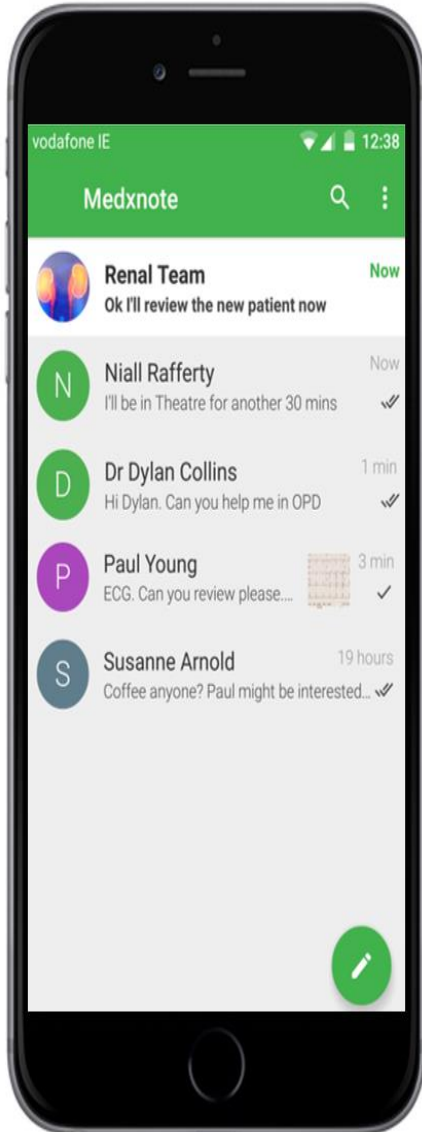
# Instant Messaging

Niall Rafferty, CEO, medXnote

# The Problem

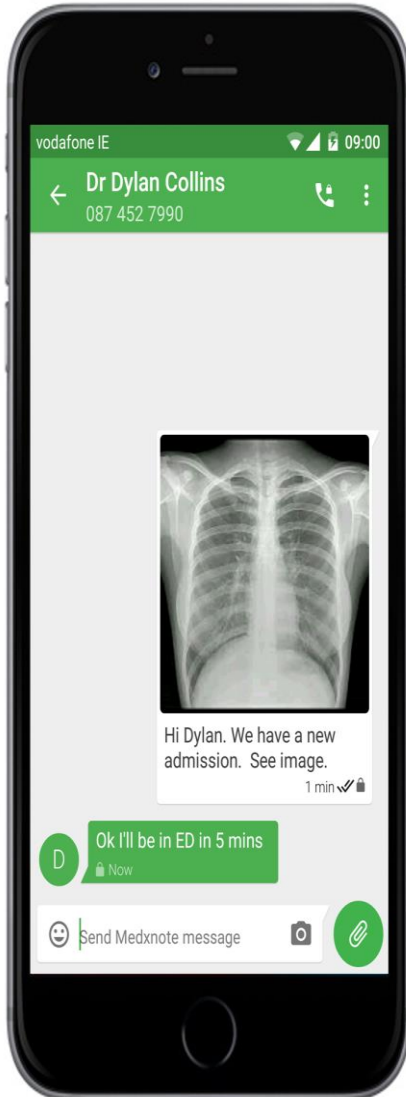


# Medxnote Messenger



- **Easy to Use** 'Zero Training'
- **Enterprise** AD integration
- **Secure** E2E Encryption, Signal Protocol
- **Compliant** Information Governance & GDPR
- **Auditable** Meta Data
- **Integrated** HL7 FHIR

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# Customers

## NHS Trusts



University Hospital Southampton **NHS**  
NHS Foundation Trust



The Royal Liverpool and Broadgreen University Hospitals **NHS**  
NHS Trust



St George's University Hospitals **NHS**  
NHS Foundation Trust



Mersey Care **NHS**  
NHS Trust

## Irish Hospitals



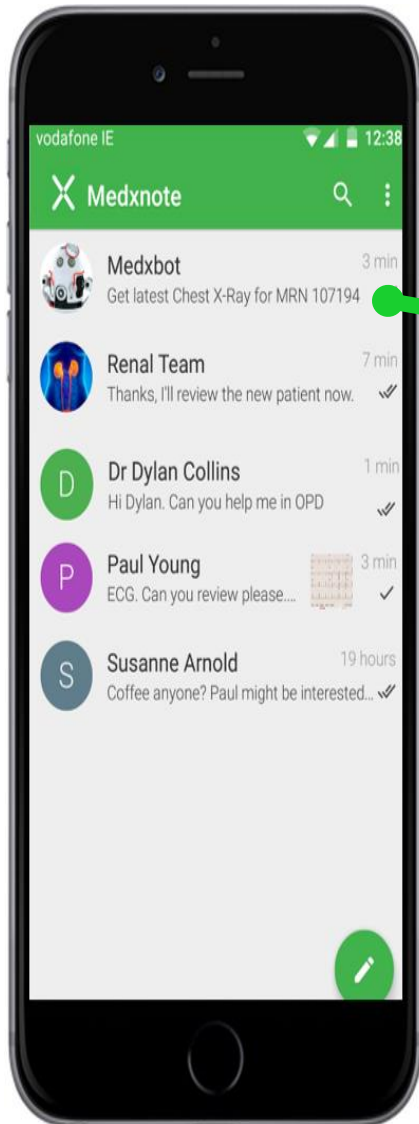
Blackrock Clinic



Mater Hospital Dublin

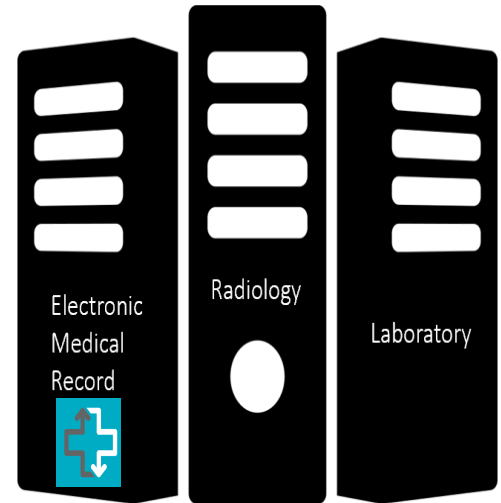
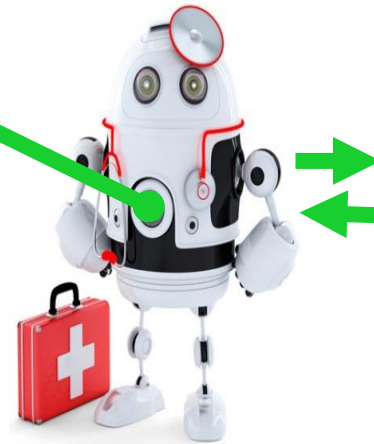
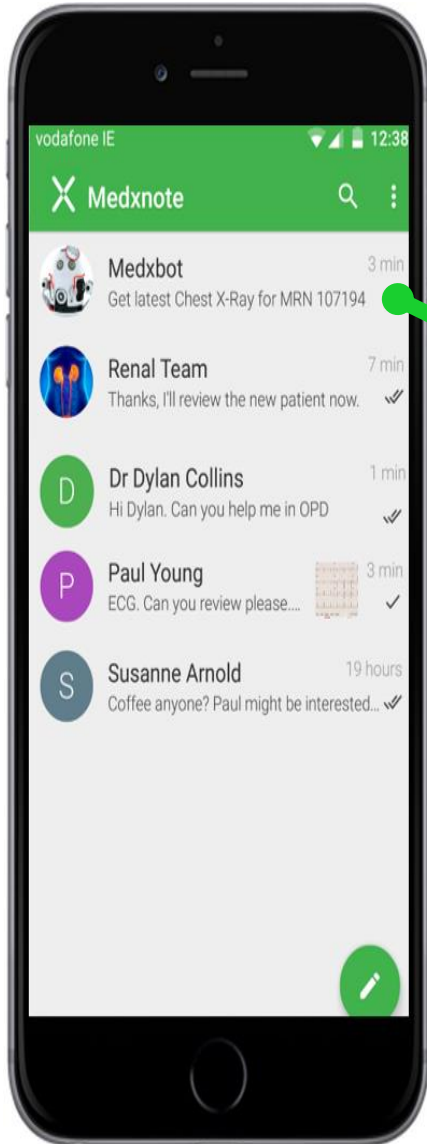


# What is a Bot?



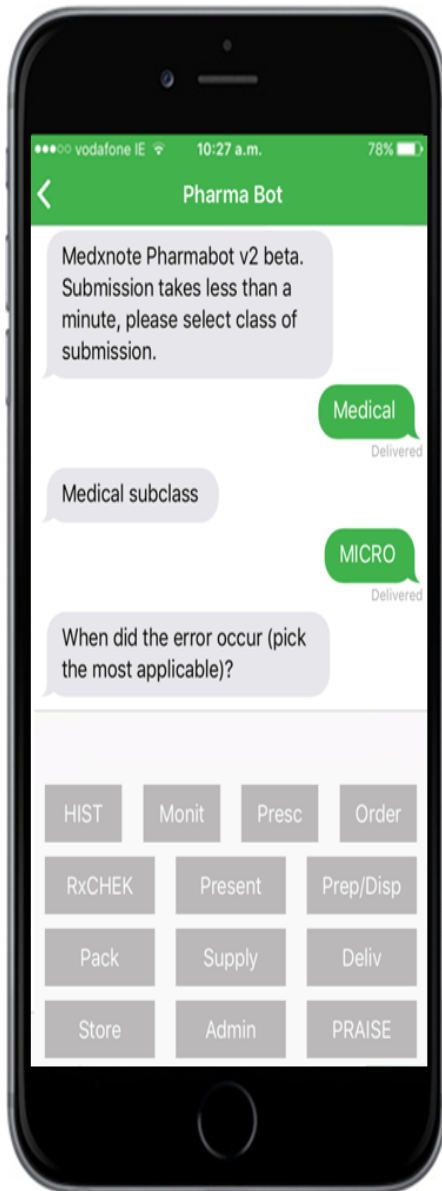
Medxbot

# CLINICAL WORKFLOW



Medxnote Virtual Assistant Server

# Pharma Bot



## Clinical Pilot with Pharmacy Department

- Reduced time to report from 11 mins to 60 Seconds
- Increased reporting from 100 to 1,200 incidents per annum (12x increase)



University Hospital Galway

## User Feedback

- Ingenious, less tedious, much faster
- Easy to use, efficient
- Facilitates on the spot reporting
- Easy and Quick
- 'I'm not worried about data on my phone'
- Increased reporting ++





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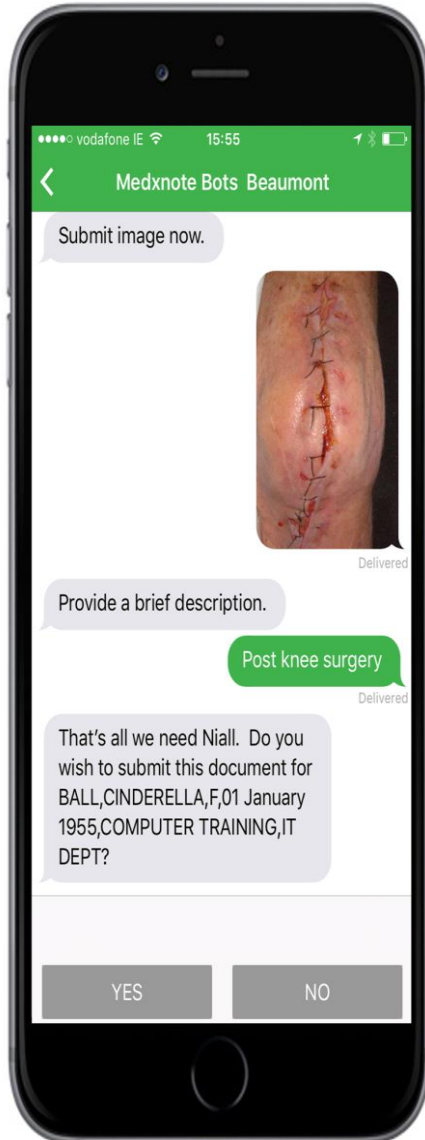
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University Hospital Galway



# Image Bot



## Problem

- It's very difficult to upload medical images to the EMR, PACS or EDMS
- Some institutions provide stand alone apps

## Bot Workflow

- The Bot asks for the patient's MRN
- User confirms patient demographics
- Upload images
- Add notes

## Benefits:

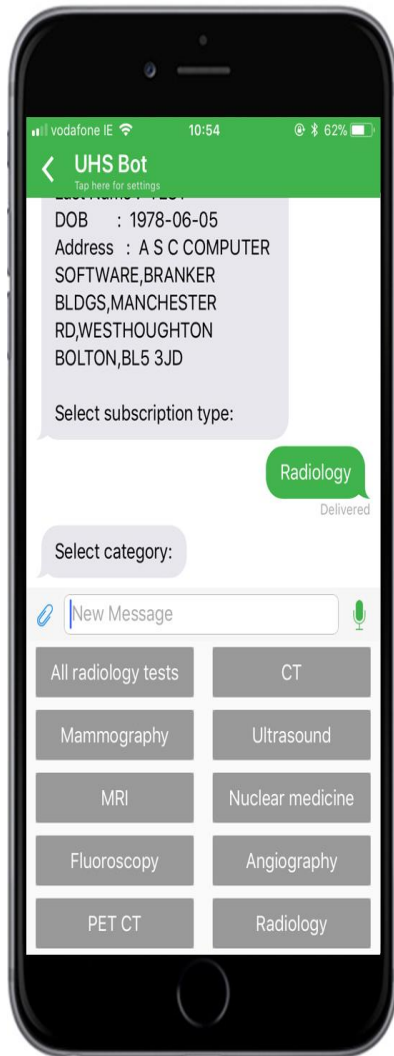
- Fast = upload an images in 60 seconds



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# Result Notification Bot



## Result Notification Bot - Workflow

- Order Radiology Exam or Lab Test
- Set Notification on Medxnote
- Receive notification when result is available

## Benefits:

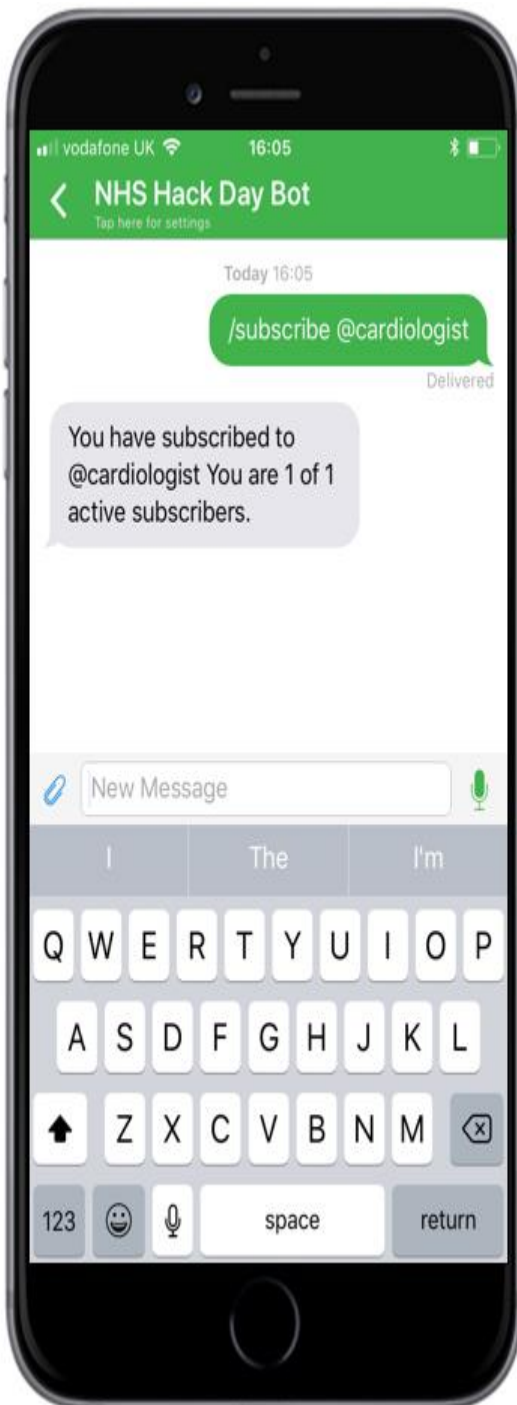
- Get real time notifications when result is available
- Save time logging on to hospital PC to check for results



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# Virtual Pager



## Virtual Pager / Smart Bleep

- Similar workflow to existing pager system (**Clinician to Clinician**)
- Can be run in parallel to existing pager system
- RESTful API opens up new functionality (**EPR to Clinician**)
- Create Virtual Pagers for alerts and notifications @complex\_diabetes
- Full Audit Trail with local data storage
- Patent filed with the Intellectual Property Office

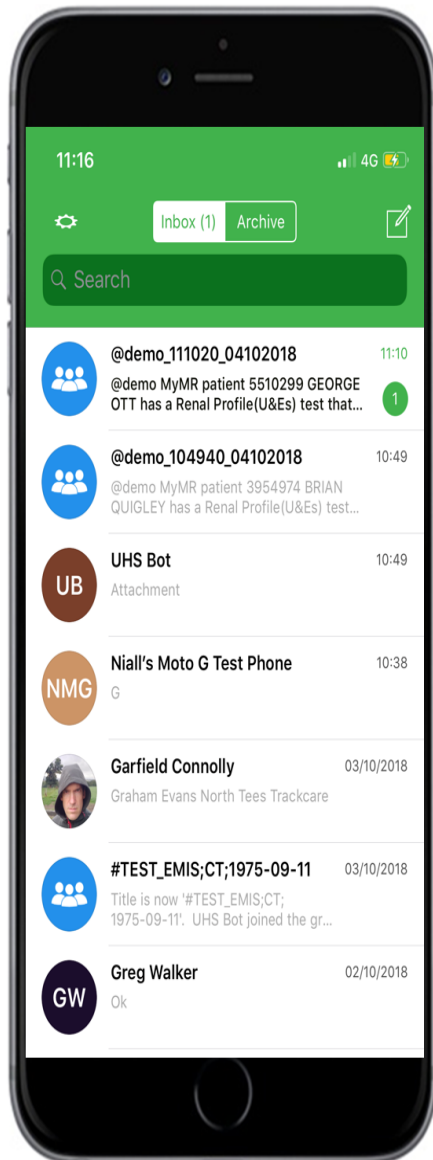


Electronic Filing Receipt

Your Ref: P48930GB

PATENT APPLICATION NUMBER 1707359.4

# My Medical Record

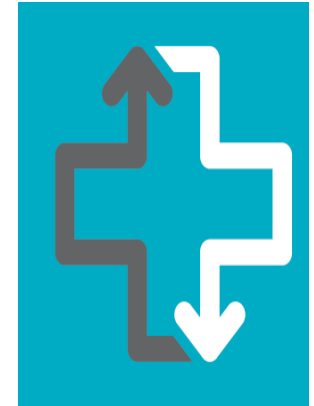


## Clinical Trial Bot - Workflow

- Create Virtual Pager on Medxnote @MyMR.renal
- Use subscribes to @MyMR.renal
- When a patient has an out of range result a notification is sent to the virtual pager.
- There is an Acknowledge button to acknowledge the result.

## Benefits:

- Proactive real-time alert



My Medical  
Record



# My Medical Record

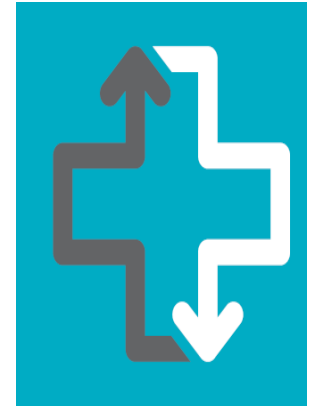


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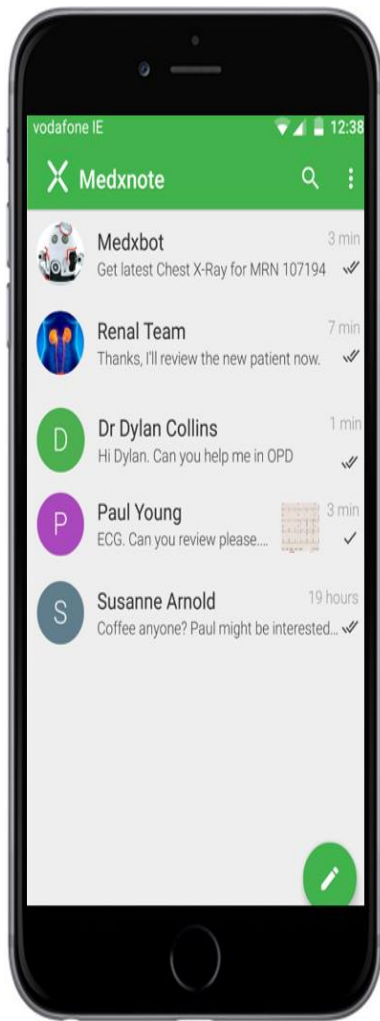
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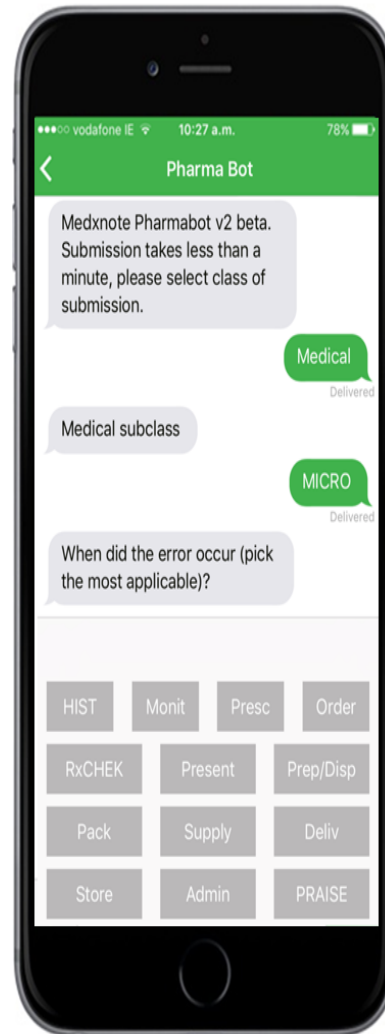
My Medical  
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### 3 TECHNOLOGY LAYERS



Secure Instant Messaging

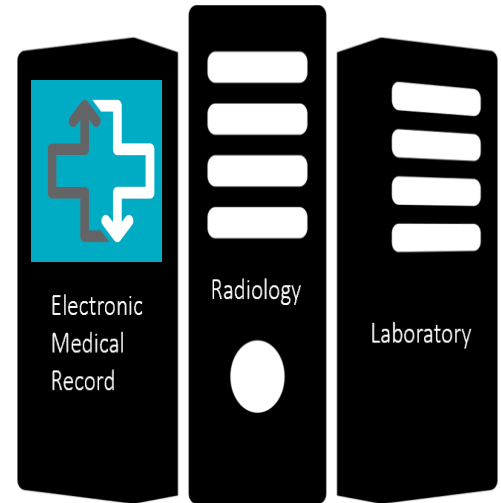
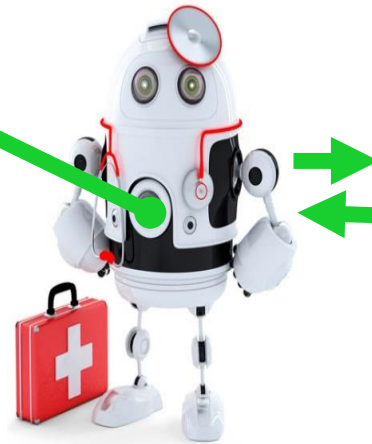
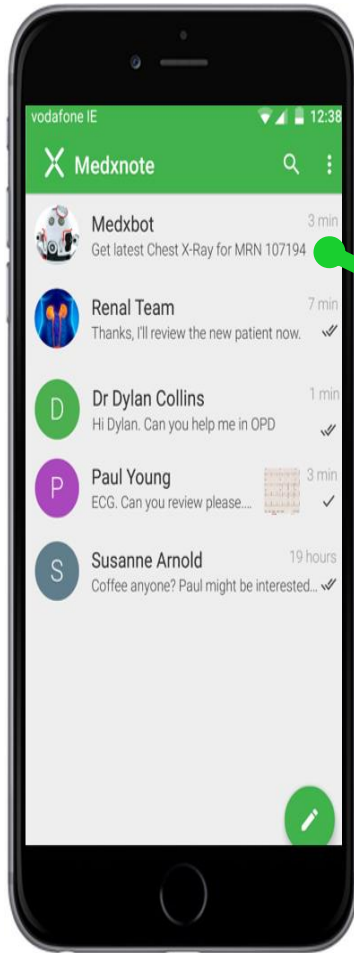


Chatbot Platform



Virtual Pagers

# Demo



Medxnote Virtual Assistant Server



medXnote

**Niall Rafferty**

CEO

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