

# CADU

## A new era of Cloud AI enabled Gastroscopy

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## Introducing CADU from Odin Vision

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**"My vision is that in the next 5 years, artificial intelligence and computer aided diagnostics will be part of any endoscopic suite around the world".**

Dr Rehan Hairdy,  
Consultant Gastroenterologist  
University College London /  
Cleveland Clinic London

### **What is CADU?**

CADU is Odin Vision's cutting-edge Artificial Intelligence system for a new era of Gastroscopy.

It supports endoscopists to identify dysplastic regions in real-time during Upper GI procedures.

### **AI to improve Upper GI Endoscopy**

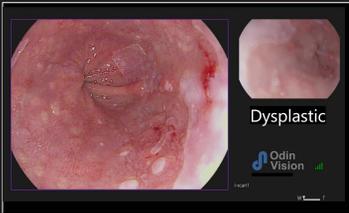
- CADU helps clinicians to detect hard to spot dysplasia in patients with Barrett's esophagus
- CADU does this by drawing an area to highlight suspected dysplasia in Barrett's esophagus
- CADU helps to identify points of interest within lesions
- Cloud Technology allows access to the latest, most up to date version of CADU. Updates are instant with no downtime
- Vendor Neutrality - works with all major endoscopy image processors
- Easy to Use - works within the clinical workflow

# Comprehensive AI for Upper GI Endoscopy



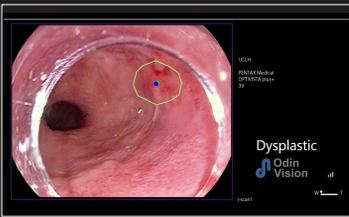
## AI to detect dysplasia in patients with Barrett's esophagus

CADU supports trained endoscopists by displaying information relating to the visual characteristics of Barrett's esophagus, enabling the user to characterise the tissue as dysplastic or non-dysplastic.



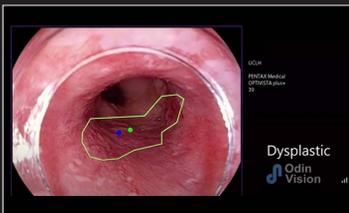
## AI to identify points of interest within lesions

CADU identifies points of interest in the dysplastic region to help clinicians identify the geometric centre and highly dysplastic regions. This information can then be interpreted by the user to make decisions on clinical action. CADU is not a diagnostic tool.



## AI to delineate lesions with dysplasia in Barrett's esophagus

CADU highlights areas with visual characteristics consistent with dysplastic tissue, allowing the clinician to further investigate the mucosa.



# Comprehensive AI for Upper GI Endoscopy



## Easy to Use

CADU has a simple and user friendly interface that integrates into the current clinical workflow.

Due to the intuitive nature of CADU, minimal training is required.

Hands free interaction during the procedure, controlled by foot pedal.



## Set up and Integration

CADU can be configured for single monitor use or used with a second monitor.

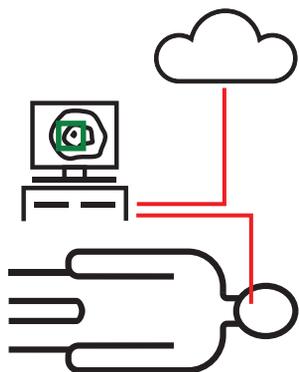
The system can integrate with existing clinical workflows and endoscopy equipment. It is not tied to one endoscopy equipment manufacturer.

Our Cloud based technology can be accessed using a computer installed on the endoscopy stack



# CADU in the Cloud

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### **CADU's Advanced Cloud Technology**

Our secure cloud solution uses a small computer connected to the endoscopy stack to stream the video from the hospital to the cloud. The system analyses the images in the cloud in real-time and sends the results back to the endoscopy monitor for the endoscopist to see.

### **Real-Time**

CADU uses bespoke data streaming technology to securely send data to the cloud and back in real-time.

### **Flexible**

On demand service and available everywhere. Install into all endoscopy rooms and customise your usage to suit your demand. Per procedure cost effectiveness.

### **Future Proof**

Instant and automatic updates. Get the latest AI without engineers having to visit the hospital to install software/hardware updates. There is no waiting and no down time with new features accessed at the click of a button.

## About Odin Vision

Odin Vision is an award-winning Artificial Intelligence (AI) company founded by a team of eminent clinicians and artificial intelligence experts. Our mission is to create the next generation of AI enabled applications for endoscopy. We believe that AI will drive a new era of healthcare by supporting doctors to deliver higher quality care leading to improved patient outcomes, better patient experience and increased value for healthcare providers.

Odin Vision is a spin-out from the world-renowned Wellcome / EPSRC Centre for Interventional and Surgical Sciences (WEISS) at University College London (UCL). The centre is led by Professor Danail Stoyanov, who has pioneered the field of machine learning in endoscopic imaging for over 20 years and Professor Laurence Lovat, a ground-breaking consultant gastroenterologist specialising in clinical research and the translation of technology into clinical practice.

The Odin Vision team brings together deep industry and academic experience in AI. We have developed multiple AI products across a wide range of imaging modalities and clinical applications. Our multi award winning technical team are the world's experts in AI and endoscopy.

We have been named as one of the Top AI UK Start-Ups by market analyst Beauhurst and won Best MedTech Start-Up at the SEHTA MedTech Business Awards. Our technology has featured on the BBC and Reuters News.

Odin Vision has received support from NHS Artificial Intelligence Lab, the Accelerated Access Collaborative in partnership with NHSX, InnovateUK, NIHR, ASHN, UK Space Agency, European Space Agency, the Royal Academy of Engineering, The Royal Society, the European Union and the Enterprise Europe Network.



Discover more

## Try CADU in your hospital

CADU is a CE and UKCA marked medical device and available in Europe and the UK. To try CADU in your hospital, go to [odin-vision.com](http://odin-vision.com)

Or email us [cs@odin-vision.com](mailto:cs@odin-vision.com)

## Press

Watch coverage of Odin Vision's technology on the BBC and Reuters at [odin-vision.com](http://odin-vision.com)



Specifications are subject to change  
Please refer to the instructions for use for complete instructions, contraindications, warnings and precautions  
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