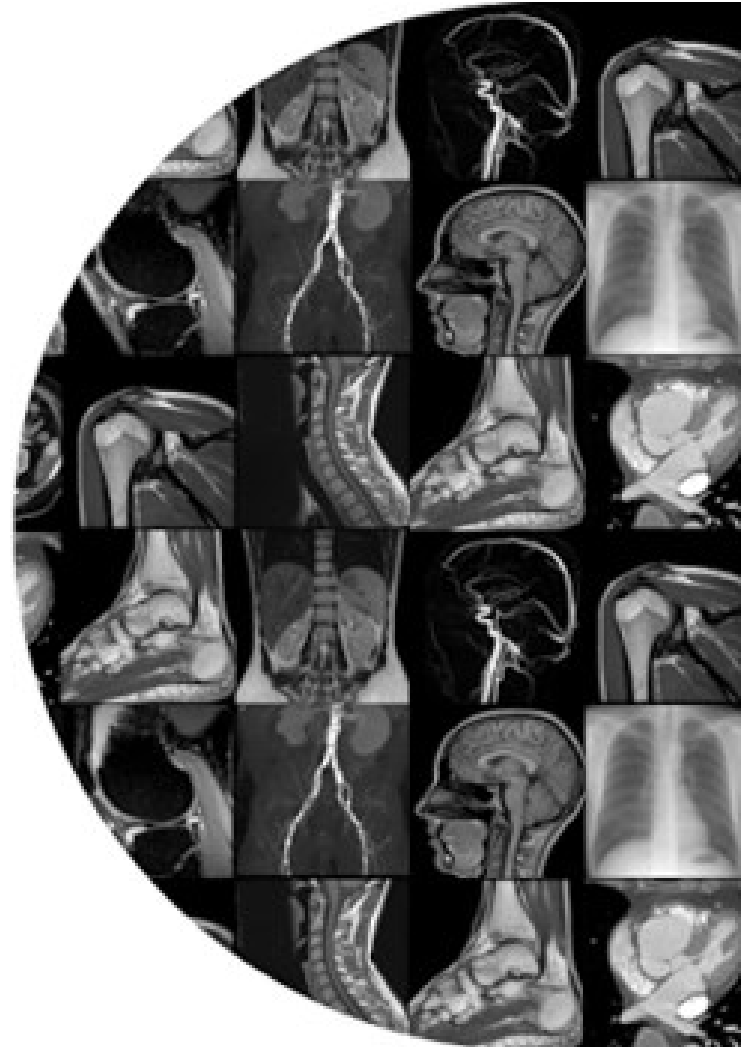


DETECT acute on Collective Minds: Instructions to Reviewers



How to access cmrad.com as a project member

How to enter the cmrad.com platform:

1. When invited to the DETECT acute project as a reader, you will firstly receive an email with a link to activate your account at cmrad.com.
1. You will also receive an invitation email with a link which takes you directly to the project, and your tasklist.

1

Hi there, welcome to the Collective Minds® community!

Please spend a few moments completing your personal and professional details to activate your account.

[ACTIVATE MY ACCOUNT](#)

2

Hi, Please find your invitation to the Os_R06R12 project at Collective Minds Research.

[Os_R06R12 project](#)

Tasklist

When entering the project through the invitation link you got on email, your tasklist will appear, with the exams you will be reviewing.

You start from the top, and click “run event” to do your review.

PS: If you have lost track of the email with the invitation link, you can always find your project and tasklist by logging in to cmrad.com and enter through Workspace> Odense University Hospital> Projects

The screenshot displays the 'Tasklist' interface for the 'DETECT - pilot' project. The main content area shows a list of tasks, each with a 'Run event' button. The first 'Run event' button is circled in yellow. The right sidebar contains filters for Subject ID, Event Status, and Task Status.




Task ID	Action
Event task Ts_All_P001 Os_Read_02_Stage 1	Run event
Event task Ts_All_P002 Os_Read_02_Stage 1	Run event
Event task Ts_All_P003 Os_Read_02_Stage 1	Run event
Event task Ts_All_P004 Os_Read_02_Stage 1	Run event
Event task Ts_All_P005 Os_Read_02_Stage 1	Run event
Event task Ts_All_P006 Os_Read_02_Stage 1	Run event
Event task Ts_All_P007 Os_Read_02_Stage 1	Run event
Event task Ts_All_P008 Os_Read_02_Stage 1	Run event
Event task Ts_All_P009 Os_Read_02_Stage 1	Run event

When running a task to review an exam, a databrowser appears with the exam, the referral, and the lab values.

Below the databrowser is your evaluation form to fill out.

COLLECTIVE MINDS RADIOLOGY
Odense University Hospital / DETECT - pilot / Pipeline / Os_Read_02
Os_Read_02
ID S01E006

Databrowser

Type	Details	Event	Event time	Member	Version	Actions
	No description available Study date: 29.Sep.2023 eCT	Upload	about 23 hours ago	Jonathan Erikson RAD jeron@odensehospital.com	1	Open review mode Expand study
	Referral - v1	Referral	4 days ago	Jonathan Erikson RAD jeron@odensehospital.com	3	Expand form
	Lab values - v1	Lab values	4 days ago	Jonathan Erikson RAD jeron@odensehospital.com	1	Expand form

Evaluation Form

Evaluation form DETECT acute

Primary diagnosis

No relevant pathology Appendicitis w/wo complications Diverticulitis w/wo complications Urinary tract pathology, nonmalignant Cholecystitis w/wo complications Pancreatitis w/wo complications GYN Abscess Gall stone disease Bowel obstruction (nonmalignant, small-large)

Malignancy Perforated viscus Bowel ischemia Bowel inflammation Hernia Extraabdominal disease* Other abdominal disease*

* Please specify:

Secondary diagnosis

No relevant pathology Appendicitis w/wo complications Diverticulitis w/wo complications Urinary tract pathology, nonmalignant Cholecystitis w/wo complications Pancreatitis w/wo complications GYN Abscess Gall stone disease Bowel obstruction (nonmalignant, small-large)

Malignancy Perforated viscus Bowel ischemia Bowel inflammation Hernia Extraabdominal disease* Other abdominal disease*

* Please specify:

Incidental finding

Abdominal/pelvic tumor Thoracic pathology Bone/soft tissue pathology Deep vein thrombosis Fracture Arterial/aortal pathology

Diagnostic confidence

No confidence Low confidence Moderate confidence High confidence Certain diagnosis

Overall image quality

Bad - nondiagnostic Poor Acceptable Good Excellent







Overall image noise

Nondiagnostic High noise Moderate noise Low noise Virtually no noise

Open referral and lab values


To view the referral and the lab values, you click “Expand form”, and the respective information appears. You click “Collapse form” to close again.

Databrowser

Type	Details	Event	Event time	Member	Version	Actions
	No description available <i>Study date: 29-Sep-2023</i> #CT	Upload	about 22 hours ago	 Jonatan Eriksson PhD jonatan.eriksson@cmrad.com	1	Open review mode Expand study
	Referral - v1	Referral	4 days ago	 Jonatan Eriksson PhD jonatan.eriksson@cmrad.com	3	Expand form
	Lab values - v1	Lab values	4 days ago	 Jonatan Eriksson PhD jonatan.eriksson@cmrad.com	1	Expand form

Referral - v1

Referral 4 days ago

 Jonatan Eriksson
PhD
jonatan.eriksson@cmrad.com

3 [Collapse form](#)


Referral

Tidligere miltskade. Innkommer septisk, misstenke UVI. Klart palpasjonsørm abd ve nedre kvadrant hvor han er operert. Ikke slippørm, subileus? divertikulitt?

Indication

Lab values - v1

Lab values 4 days ago

 Jonatan Eriksson
PhD
jonatan.eriksson@cmrad.com

1 [Collapse form](#)

Lab values

Hgb
11.0

Leuko
14.3

CRP
20

ALT
16

GT
22

Bilirubin
13

Amylase
30







Lactate
1.2

Creatinine
95

Open images in DICOM viewer

To open the CT examination in the DICOM viewer, click “Open review mode”. The DICOM viewer will then open in a separate tab, which can be moved to a separate screen (see next page).

Databrowser

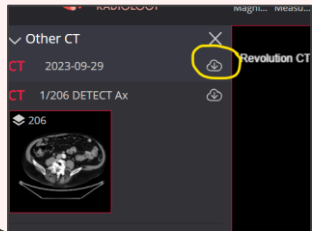
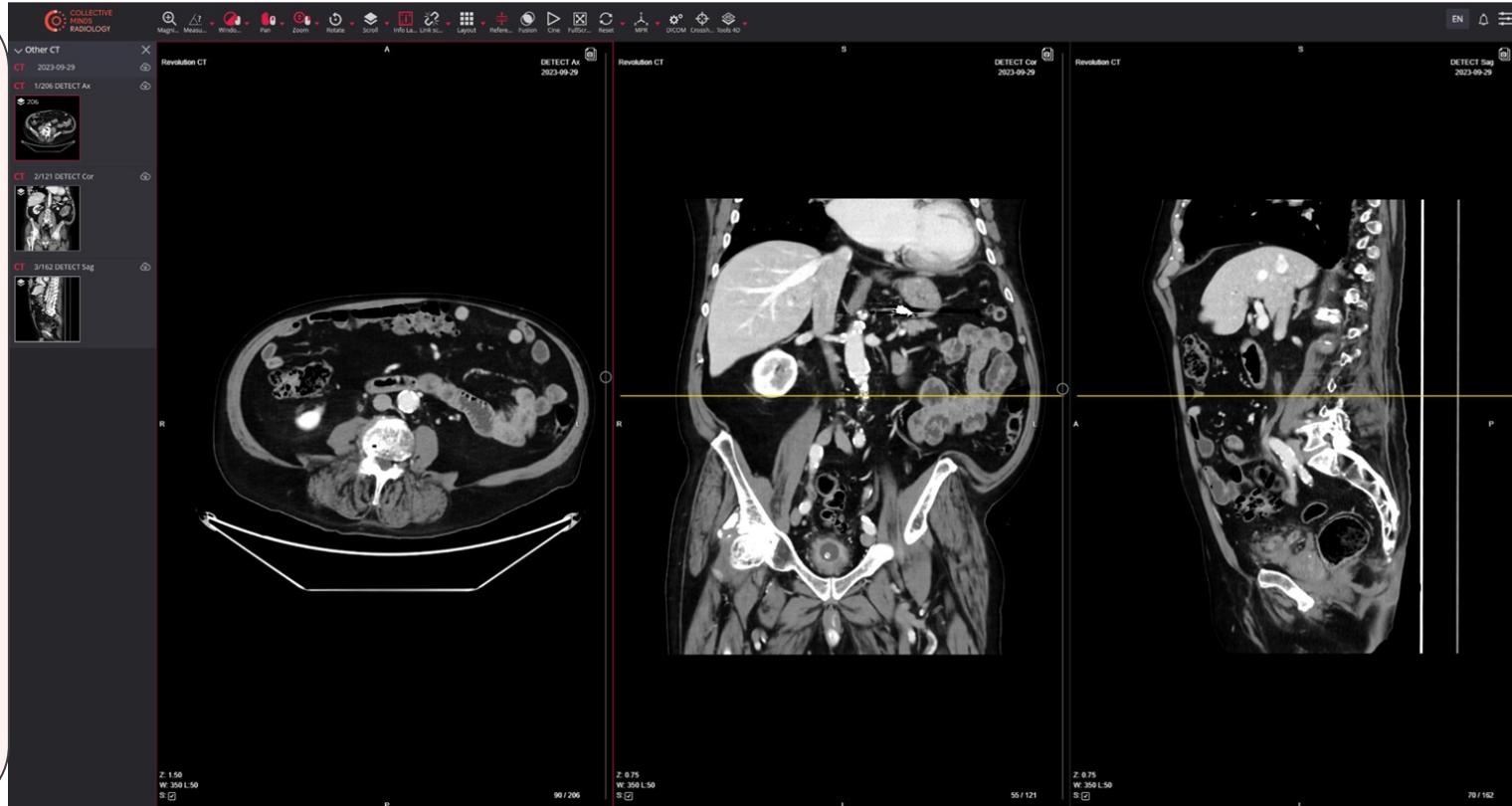
Type	Details	Event	Event time	Member	Version	Actions
	No description available <i>Study date: 29-Sep-2023</i> #CT	Upload	🕒 about 22 hours ago	 Jonatan Eriksson PhD jonatan.eriksson@cmrad.com	1	🔗 Open review mode ⌵ Expand study
	Referral - v1	Referral	🕒 4 days ago	 Jonatan Eriksson PhD jonatan.eriksson@cmrad.com	3	⌵ Expand form
	Lab values - v1	Lab values	🕒 4 days ago	 Jonatan Eriksson PhD jonatan.eriksson@cmrad.com	1	⌵ Expand form

Reviewing the CT images

The exam will open in a separate tab, that you can move to a separate screen when filling out the evaluation form.

Your tools are in the top bar, and you can blow up a single view with double-click.

For faster scrolling, hit the “cloud” on top of the left panel:



Suggested setup with two screens

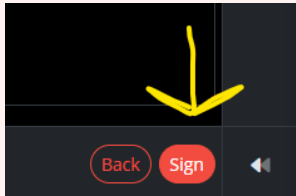
The left screen displays a web application interface. At the top, there is a browser address bar showing the URL: `cmrad.com/research/repository/1edc4bd1-0cc1-668c-8bb1-0a146d9644a4/project/c17c9b7-368e-4524-bc3e-6c4d7cd4989/pipeline/b71be...`. Below the browser, the application header includes the logo for 'COLLECTIVE MINDS RADIOLOGIST' and navigation icons. The main content area is divided into two panels: 'Databrowser' on the left and 'Metadata' on the right. The 'Databrowser' panel contains a table with columns for 'Type', 'Details', 'Event', 'Event time', 'Member', 'Version', and 'Actions'. It lists three items: 'No descriptions available', 'Inferred - v1', and 'Lab values - v1'. The 'Metadata' panel shows details for 'Subject: TX AB P001 (Study)', 'Stage: Stage 1', and 'ID: S01F00G'. Below the databrowser is an 'Evaluation Form' titled 'Evaluation form DETECT acute'. It contains sections for 'Primary diagnosis', 'Secondary diagnosis', and 'Incidental finding', each with multiple radio button options. The 'Primary diagnosis' section includes options like 'No relevant pathology', 'Appendicitis w/wo complications', 'Diverticulitis w/wo complications', 'Urinary tract pathology, normal/gnant', 'Cholecystitis w/wo complications', 'Pancreatitis w/wo complications', 'OTN', 'Abscess', and 'Gall stone disease'. The 'Secondary diagnosis' section has similar options. The 'Incidental finding' section includes checkboxes for 'Abdominal/pelvic tumor', 'Thoracic pathology', 'Bone/soft tissue pathology', 'Deep vein thrombosis', 'Fracture', and 'Acrural/axial pathology'. At the bottom, there is a 'Diagnostic confidence' section with radio buttons for 'No confidence', 'Low confidence', 'Moderate confidence', 'High confidence', and 'Certain diagnosis', and an 'Overall image quality' section.

The right screen displays a multi-panel view of CT scans. The browser address bar shows the URL: `viewer.ro.cmrad.com/view.html`. The application header includes the logo for 'COLLECTIVE MINDS RADIOLOGIST' and navigation icons. The main content area is divided into several panels. On the left, there is a 'Other CT' panel with a list of scans: 'CT 2023-09-29', 'CT 1/205 DETECT Ax', 'CT 2/121 DETECT Cor', and 'CT 3/162 DETECT Sag'. The main area shows three large panels of CT scans: 'Revolution CT A DETECT Ax 2023-09-29', 'Revolution CT S DETECT Cor 2023-09-29', and 'Revolution CT S DETECT Sag 2023-09-29'. Each panel shows a different view of the same scan. The 'Ax' view is a transverse slice, the 'Cor' view is a coronal slice, and the 'Sag' view is a sagittal slice. A yellow horizontal line is drawn across the 'Cor' and 'Sag' views. At the bottom of each panel, there are technical specifications: 'Z 0.67 W 350 L 50 S 0' for the 'Ax' view, 'Z 0.33 W 350 L 50 S 0' for the 'Cor' view, and 'Z 0.33 W 350 L 50 S 0' for the 'Sag' view. The bottom of the screen shows the page number '90 / 206' and '55 / 121'.

Signing the event

When you have filled out the evaluation form, click the red **“Sign”** button in the lower right corner of the screen.

You will then be directed back to your tasklist, your task is gone, and you can open the next!



A screenshot of the mobile application interface. The top navigation bar shows the user's location as "Odense University Hospital / DETECT - pilot / Pipeline / Os_Read_02" and the patient ID "ID S01E006". The main content area is divided into two sections: "Databrowser" and "Evaluation Form". The "Databrowser" section contains a table with columns for Type, Details, Event, Event time, Member, Version, and Actions. The "Evaluation Form" section is titled "Evaluation form DETECT acute" and contains several sections of radio button options for diagnosis, including "Primary diagnosis", "Secondary diagnosis", and "Incidental finding". The "Sign" button is visible in the bottom right corner of the screen.