



US2.AI

Us2.ai Kosmos Manual

Last updated 9 December 2021

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1. General

The Us2.ai application can work as a cloud-based picture archiving server (PACS) enabling users to easily export echo studies from a wide range of devices to Us2.ai for automated analysis.

In order to export echo studies, you must first enter the correct IP address information for Us2.ai on your device. After this is done, exporting is typically a simple one click process.

Please see instructions below for how to set the IP address information.

2. Us2.ai

2.1 Us2.ai user account

1. Please send an email to account@us2.ai to apply for an account. Kindly provide your **full name** and **email address**.
2. Once your account has been created, an email will be sent to the provided email address with instructions to activate the user account.

2.2 Accessing Us2.ai and view report

1. Once an account has been created, navigate to stage-app.us2.ai and **sign in**.

Login

stage-app.us2.ai/en/#/login

 US2
SMART ULTRASOUND

Email/Username
andrie

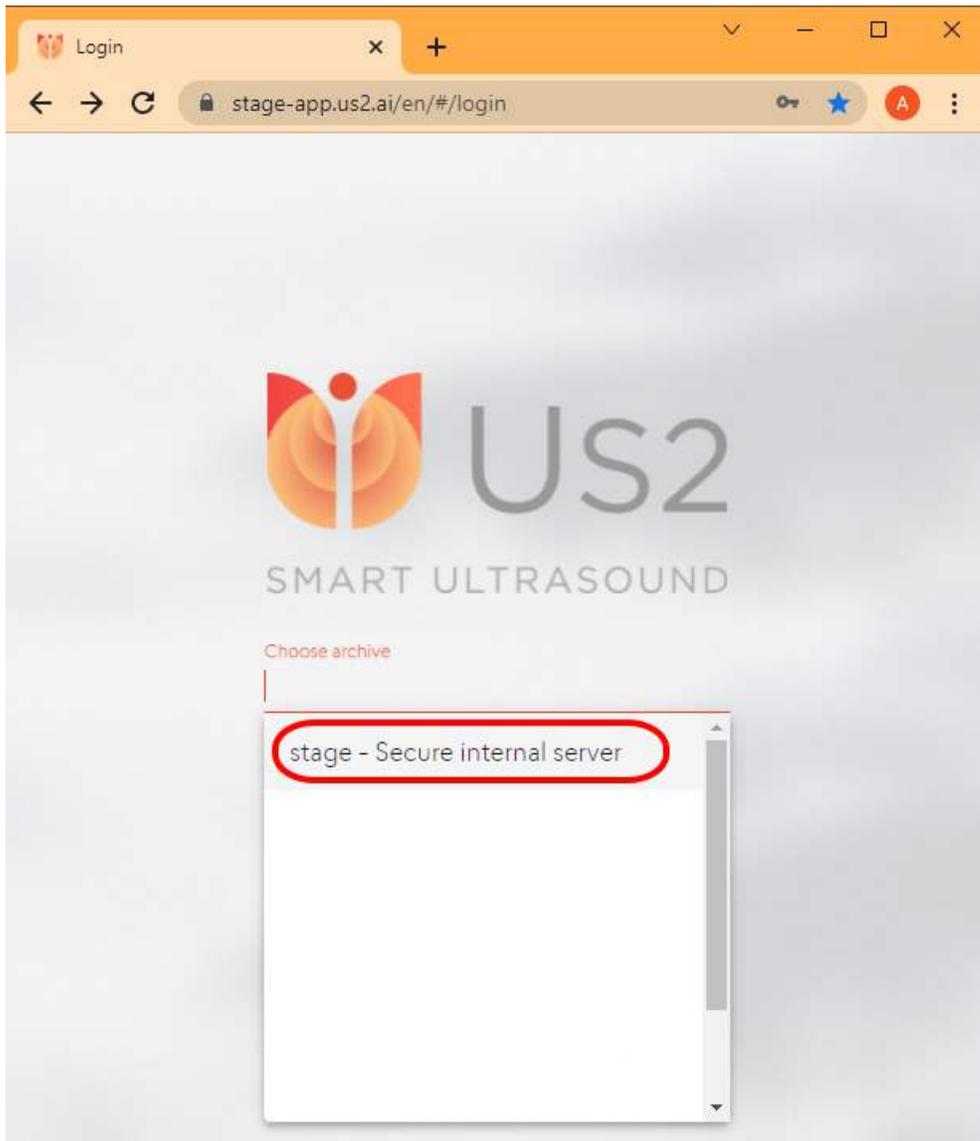
Password
.....

Reset Password

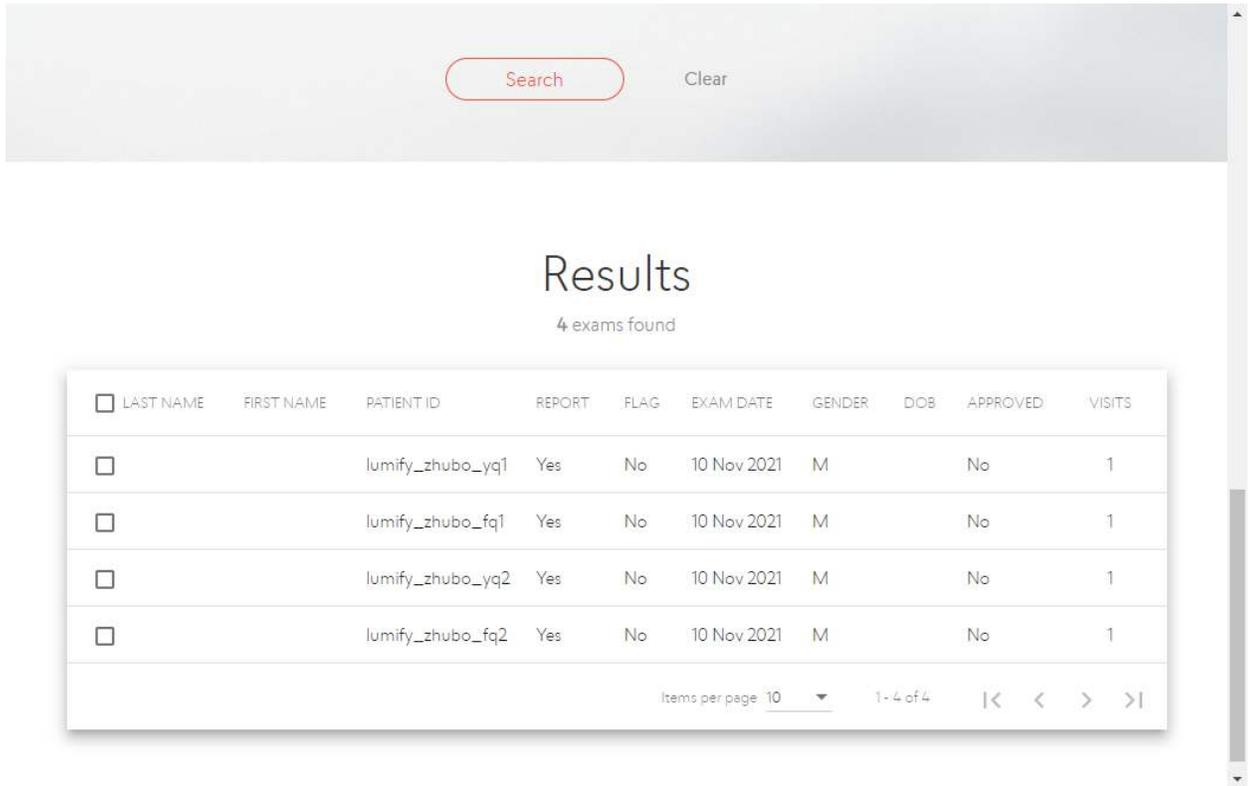
Sign In

UDI-DI: 0860005876801UZ

2. (optional) If you are prompted to choose an *archive*, select **stage - Secure internal server**



- You should now have arrived at Us2.ai's **Search Report** page. Click on the **Search** button to see a list of existing reports.



The screenshot shows a search interface with a 'Search' button and a 'Clear' button. Below the search bar, the word 'Results' is displayed, followed by '4 exams found'. A table lists the search results with columns for selection, last name, first name, patient ID, report, flag, exam date, gender, DOB, approved status, and visits. The table contains four rows of data. At the bottom of the table, there is a pagination control showing 'Items per page: 10', '1-4 of 4', and navigation arrows.

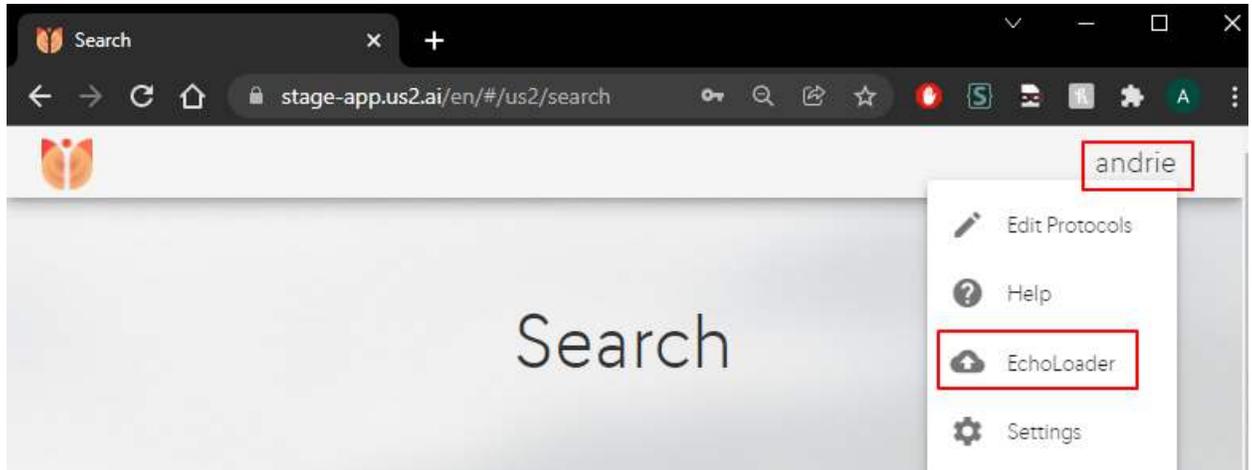
<input type="checkbox"/>	LAST NAME	FIRST NAME	PATIENT ID	REPORT	FLAG	EXAM DATE	GENDER	DOB	APPROVED	VISITS
<input type="checkbox"/>			lumify_zhubo_yq1	Yes	No	10 Nov 2021	M		No	1
<input type="checkbox"/>			lumify_zhubo_fq1	Yes	No	10 Nov 2021	M		No	1
<input type="checkbox"/>			lumify_zhubo_yq2	Yes	No	10 Nov 2021	M		No	1
<input type="checkbox"/>			lumify_zhubo_fq2	Yes	No	10 Nov 2021	M		No	1

Items per page: 10 | 1-4 of 4 | << < > >>

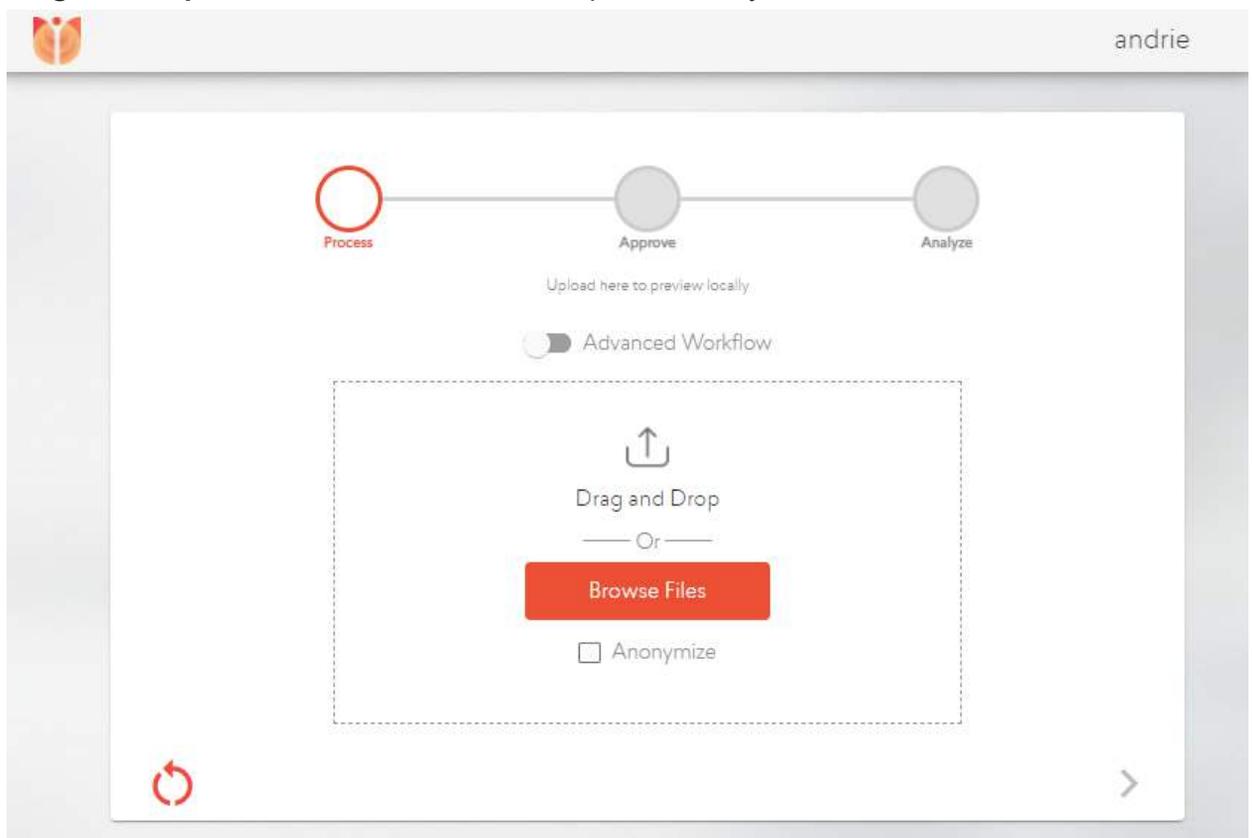
- Click on one of the items to view the report.

2.3 Upload using EchoLoader

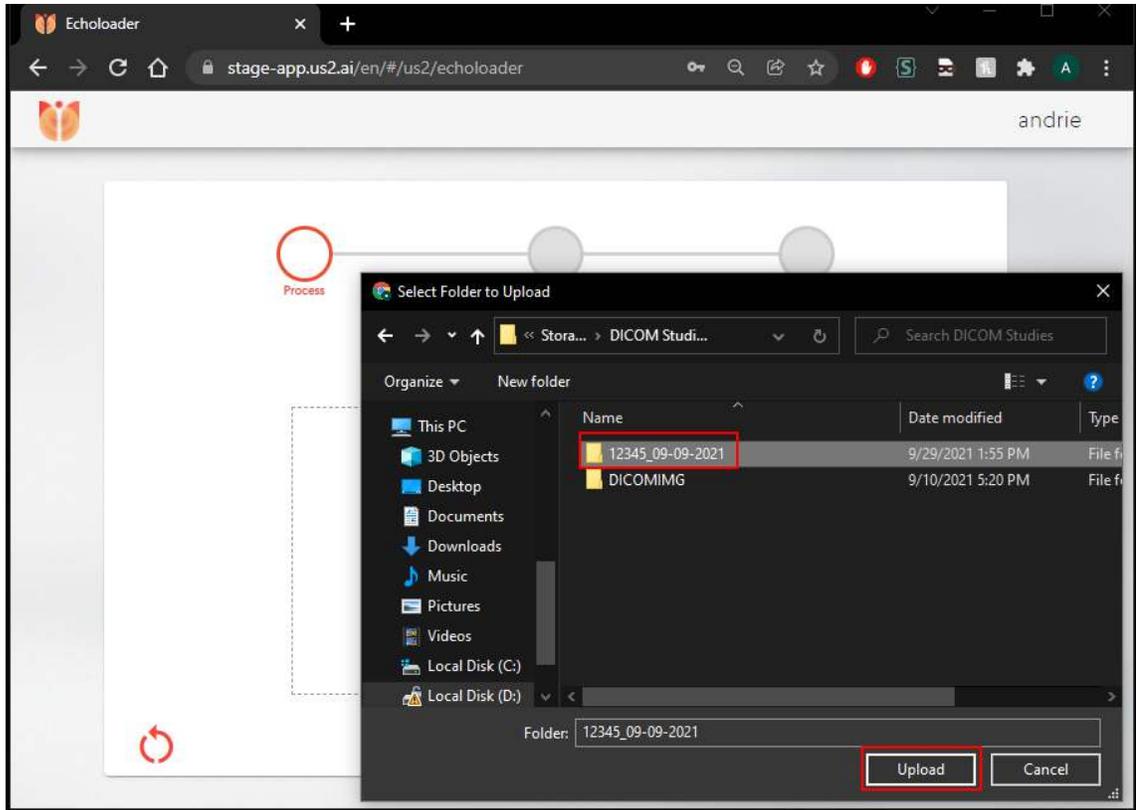
1. Once logged in, click on your **username** in the top right corner and click on **EchoLoader**.



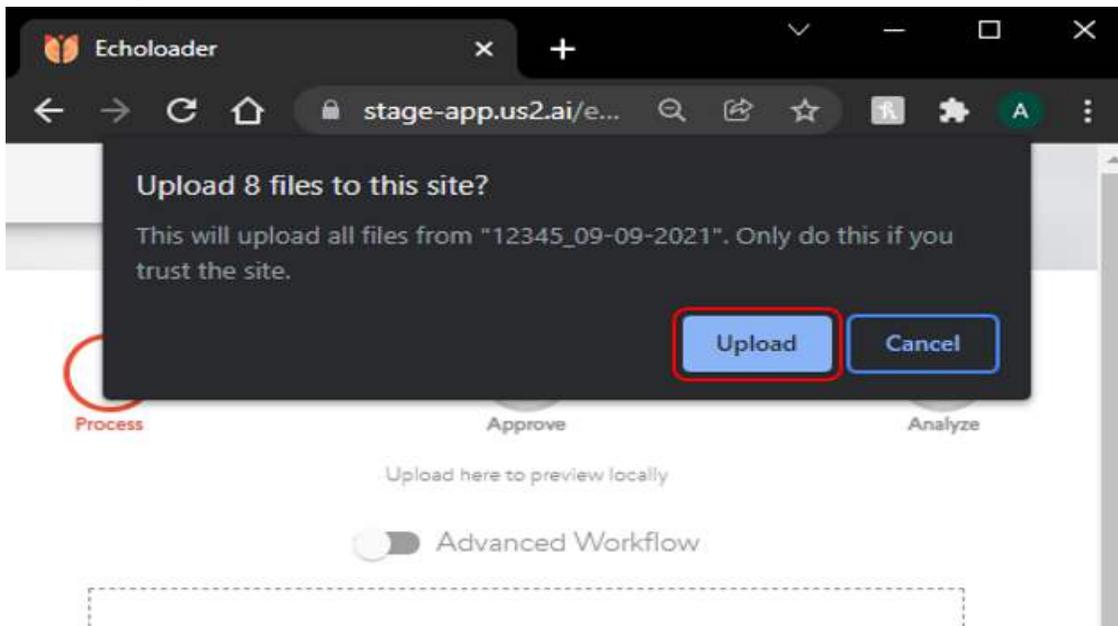
2. **Drag and drop** files into the EchoLoader or upload a study via the **Browse Files** button.



3. **(Optional)** If you have selected the **Browse Files** option, select the folder that contains the study or studies and click on **Upload**.



4. Click on **Upload** to confirm the upload.



5. Click on the **next button (D)** to proceed. Section A highlights the files that are to be uploaded. Section B allows you to increase the number of items per page and section C allows you to navigate between the pages.

The screenshot shows the Echoloader web application interface. At the top, there is a progress bar with three steps: Process (highlighted with a red circle), Approve, and Analyze. Below the progress bar, there is a text prompt "Upload here to preview locally" and a toggle for "Advanced Workflow". The main area features a "Drag and Drop" zone with a "Browse Files" button and an "Anonymize" checkbox. Below this is a table of uploaded files, which is highlighted with a red box labeled 'A'. The table has columns for "Uploaded Files", "Size", and "Remove". Below the table, there is a pagination control showing "Items per page: 5" (highlighted with a red box labeled 'B') and "1 - 5 of 8" (highlighted with a red box labeled 'C'). At the bottom right, there is a "Next" button (highlighted with a red box labeled 'D') and a "Refresh" button at the bottom left.

Uploaded Files	Size	Remove
/12345_09-09-2021/T8SCBPTSLXT6QI9U_1.dcm	428.92 KB	✕
/12345_09-09-2021/T8SCBPTSLXT6QI9U_2.dcm	155.01 KB	✕
/12345_09-09-2021/T8SCBPTSLXT6QI9U_3.dcm	129.49 KB	✕
/12345_09-09-2021/T8SCBPTSLXT6QI9U_4.dcm	264.79 KB	✕
/12345_09-09-2021/T8SCBPTSLXT6QI9U_5.dcm	265.11 KB	✕

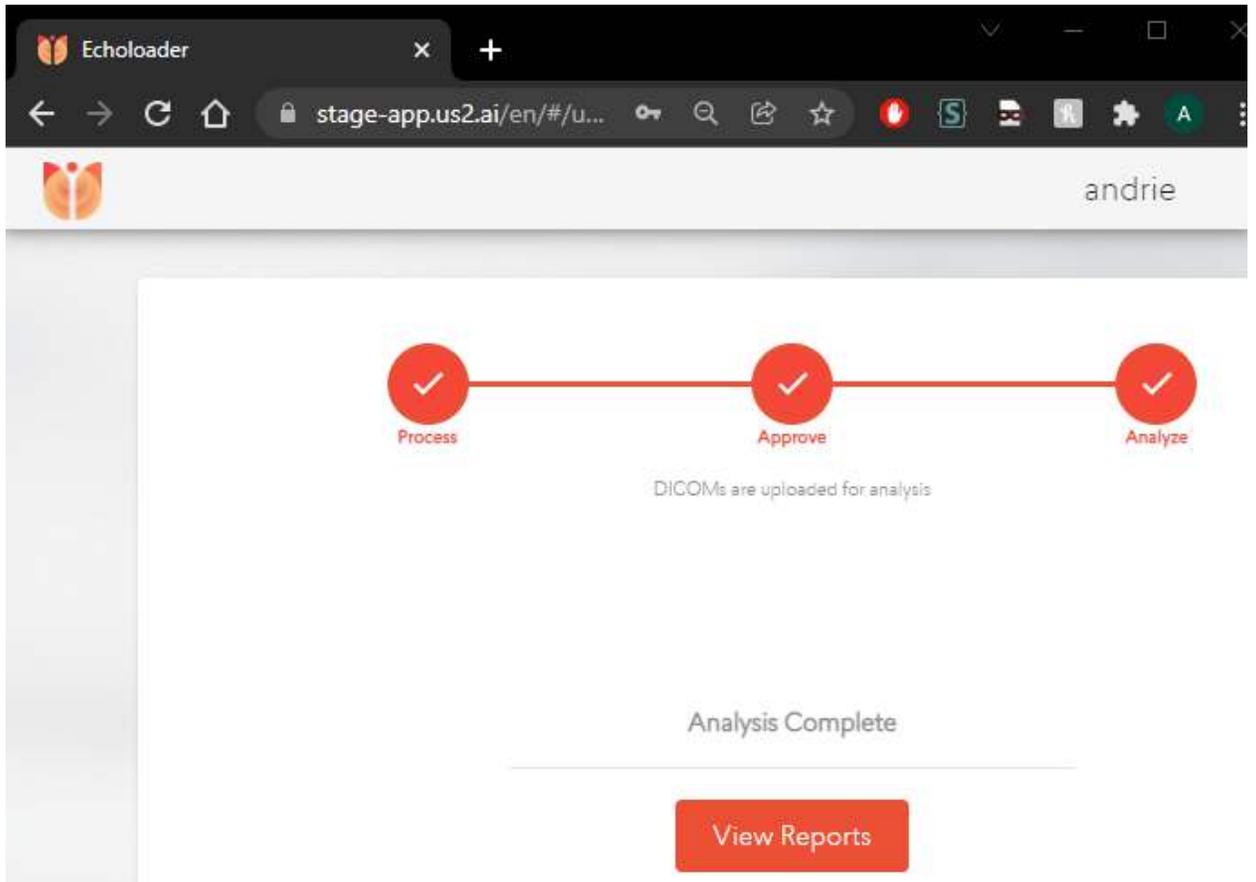
6. Click on the **next** button.

The screenshot shows a web browser window with the address bar displaying "stage-app.us2.ai/en/#/us2/echoloader". The user's name "andrie" is visible in the top right corner. The main interface features a progress bar with three stages: "Process" (completed, marked with a red checkmark), "Approve" (current stage, marked with a red circle), and "Analyze" (pending, marked with a grey circle). Below the progress bar, the text "Review and approve DICOMs and their tags" is displayed. A grid of eight ultrasound images is shown, arranged in three rows: the first two rows have three images each, and the third row has two images. At the bottom of the interface, there is a pagination control showing "Items per page 9" and "1 - 8 of 8". Navigation arrows are present, with a red box highlighting the right-pointing "next" button.

7. The study is now being uploaded

The screenshot shows a web browser window with the address bar displaying "stage-app.us2.ai/en/#/us2/echoloader". The user is signed in as "andrie". The main content area features a workflow diagram with three steps: "Process", "Approve", and "Analyze". The "Process" and "Approve" steps are marked with red checkmarks, while "Analyze" is an empty circle. Below the diagram, the text "DICOMs are uploaded for analysis" is displayed. A progress bar indicates "Upload In Progress" at 62%. The file name "File in Progress" is shown as "/12345_09-09-2021/T8SCBPTSLXT6QI9U_7.dcm".

- Once the study has been uploaded, click on **View Reports**.



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2.4 Print or download a report

1. Click on the **print** icon on top of the report to either print or download a report as PDF.

Us2.ai

Processing Date: 10 Nov 2021, 17:14 - Us2.v1 (3.0)

Visit date: 1, 10 Nov 2021

Gender: Male

Referral Reason: None

Date of Birth:

First Name:

Last Name:

Patient ID: lumify_zhubo_yq1

Body Surface Area (m²): 1.88

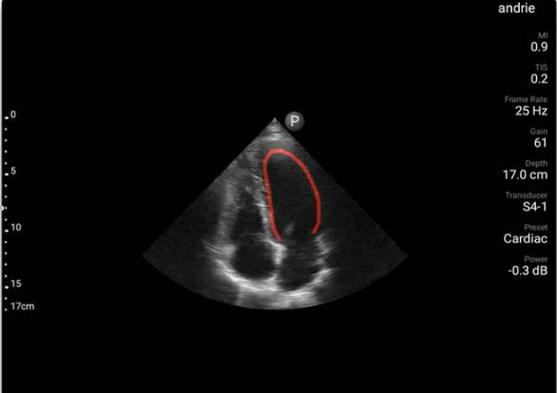
Age (on exam date):

Main Findings

LV Systolic Function	Normal
RV Function	Normal
LV Geometry	Normal
LV Size	Normal
RV Size	Normal
RA Size	Normal
LA Size	Normal

Notes

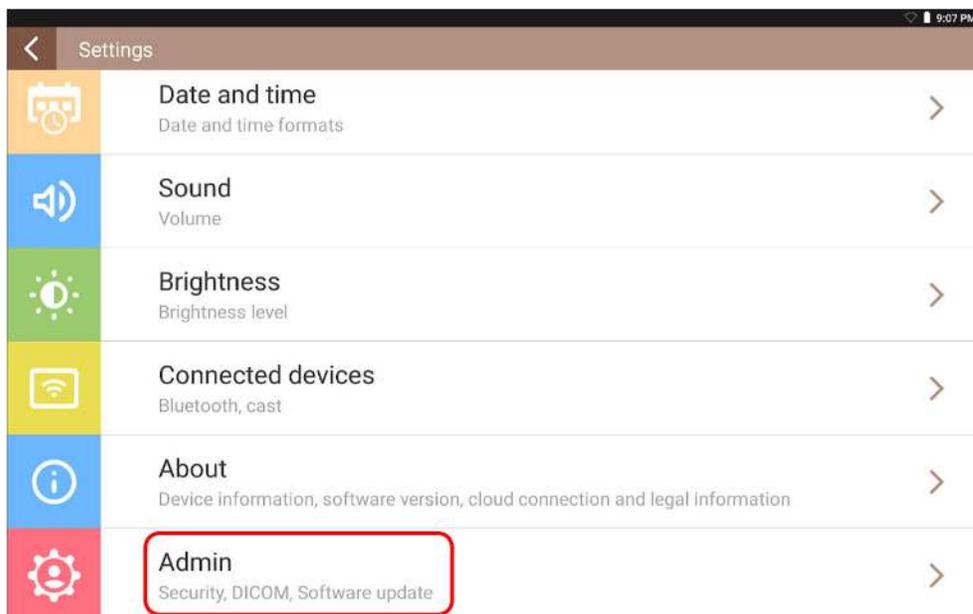
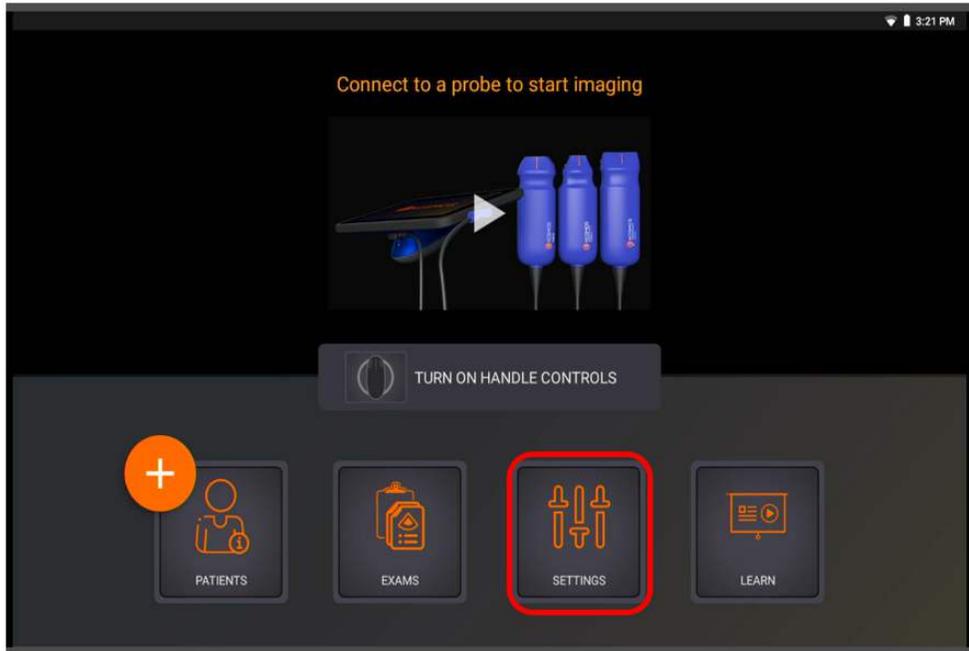
Please correlate clinically.

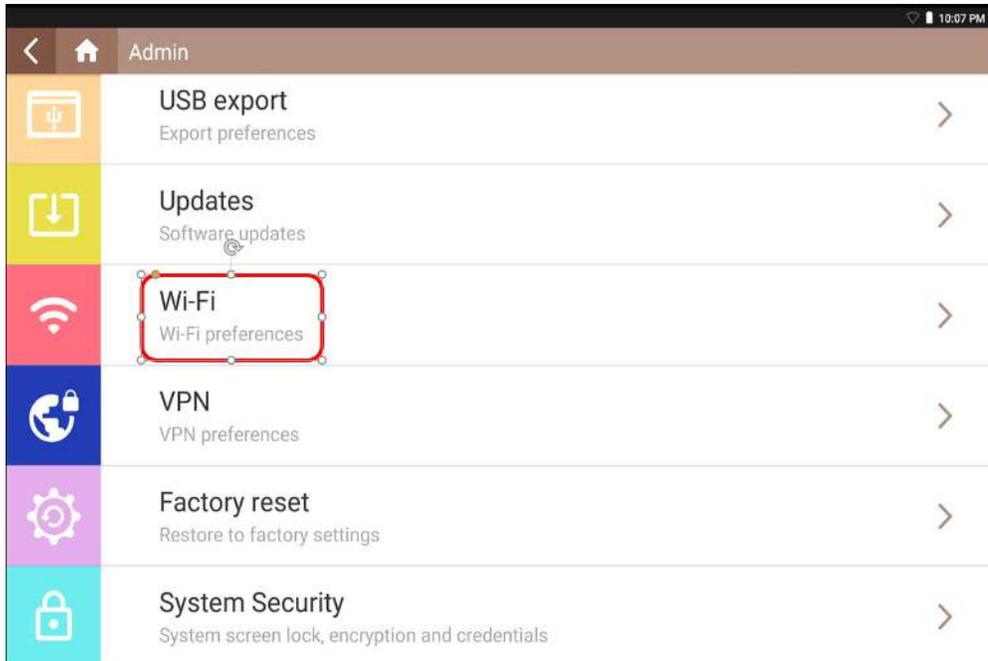


3. Kosmos

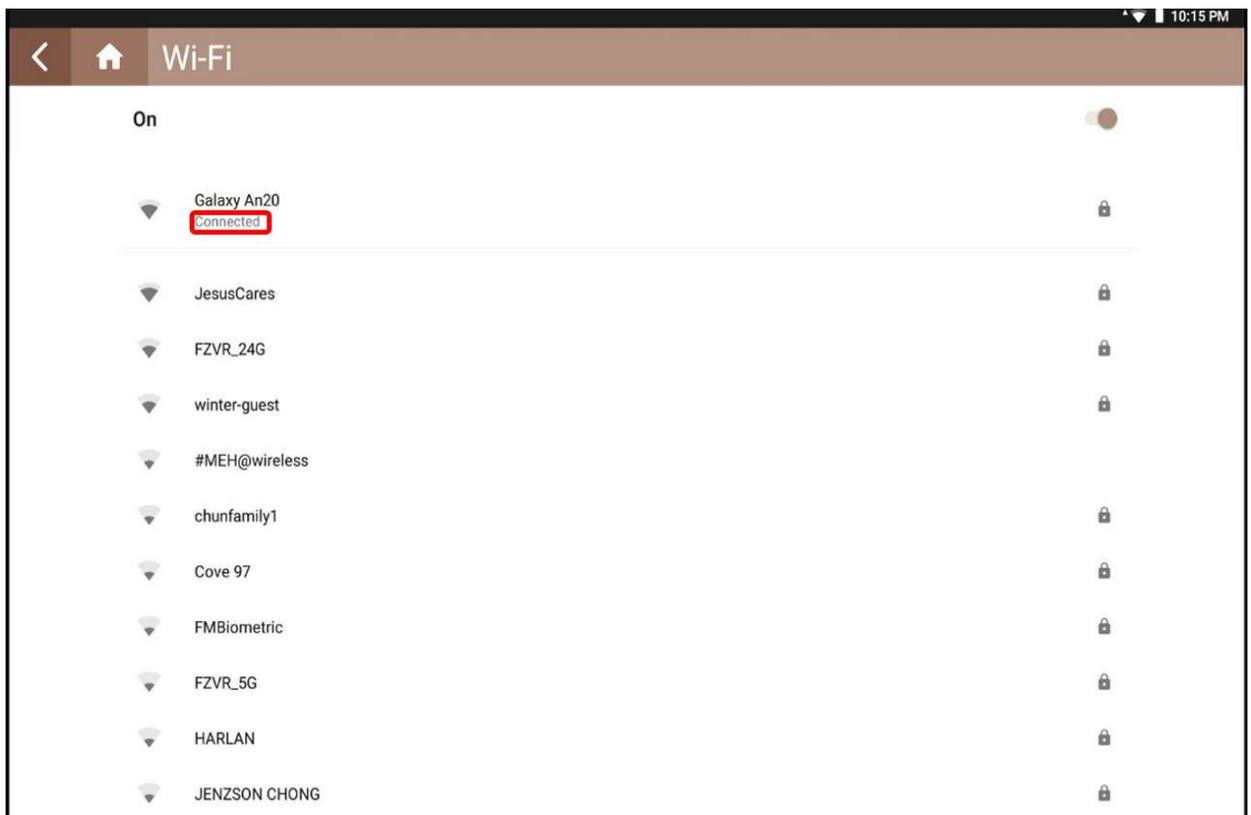
3.1 Connecting to WIFI

1. Click on **SETTINGS > Admin > Wi-Fi**





2. Select the desired Wi-Fi connection and enter the password. Ensure that the connection states **connected**.

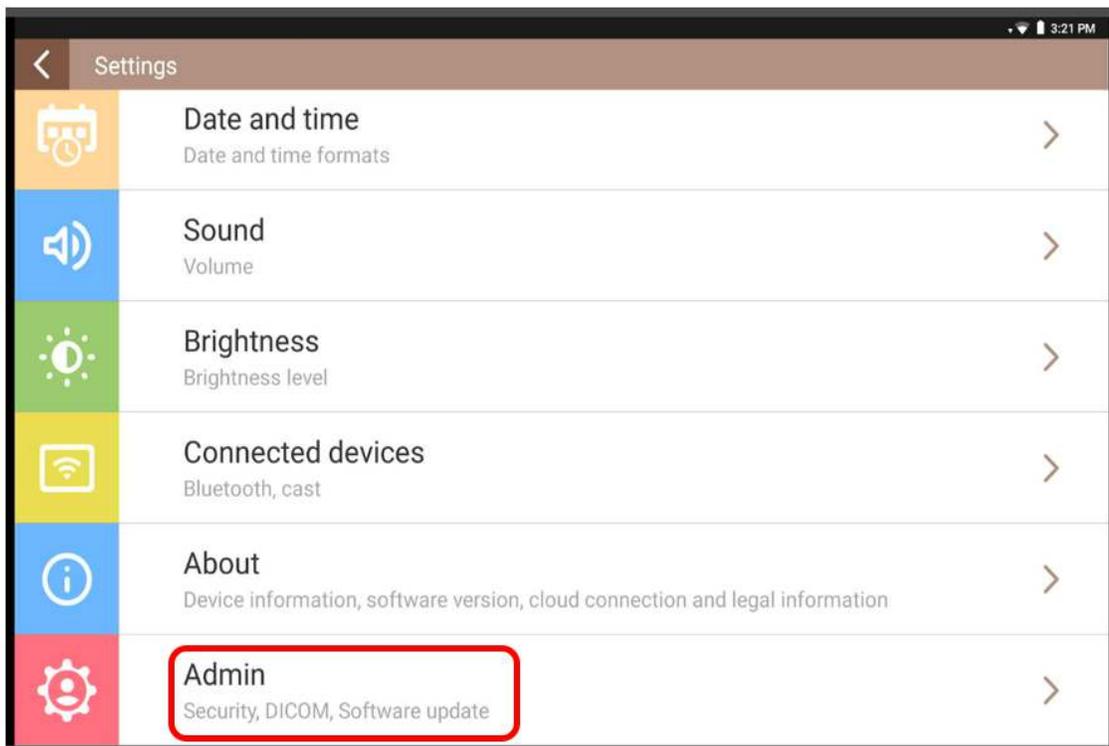


3.2 PACS setup

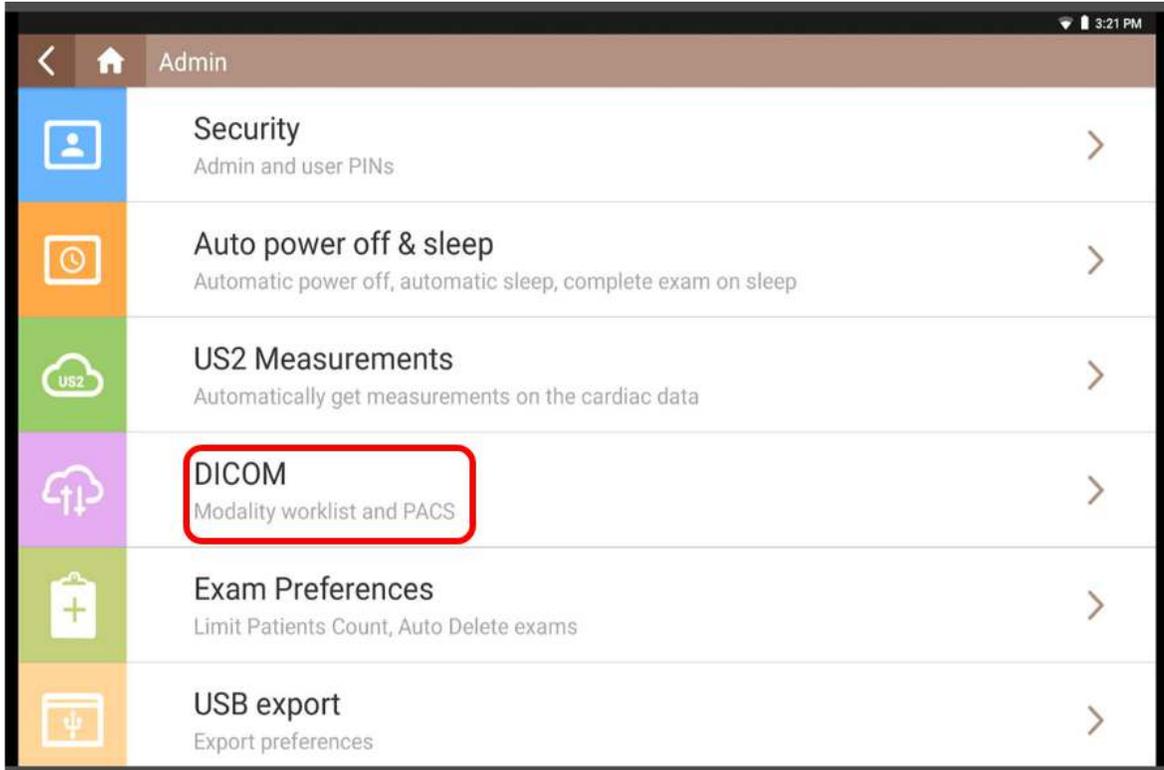
1. Make sure the device is connected to WIFI (see [3.1 Connecting to WIFI](#))
2. At the home screen of the Kosmos app click on **SETTINGS**.



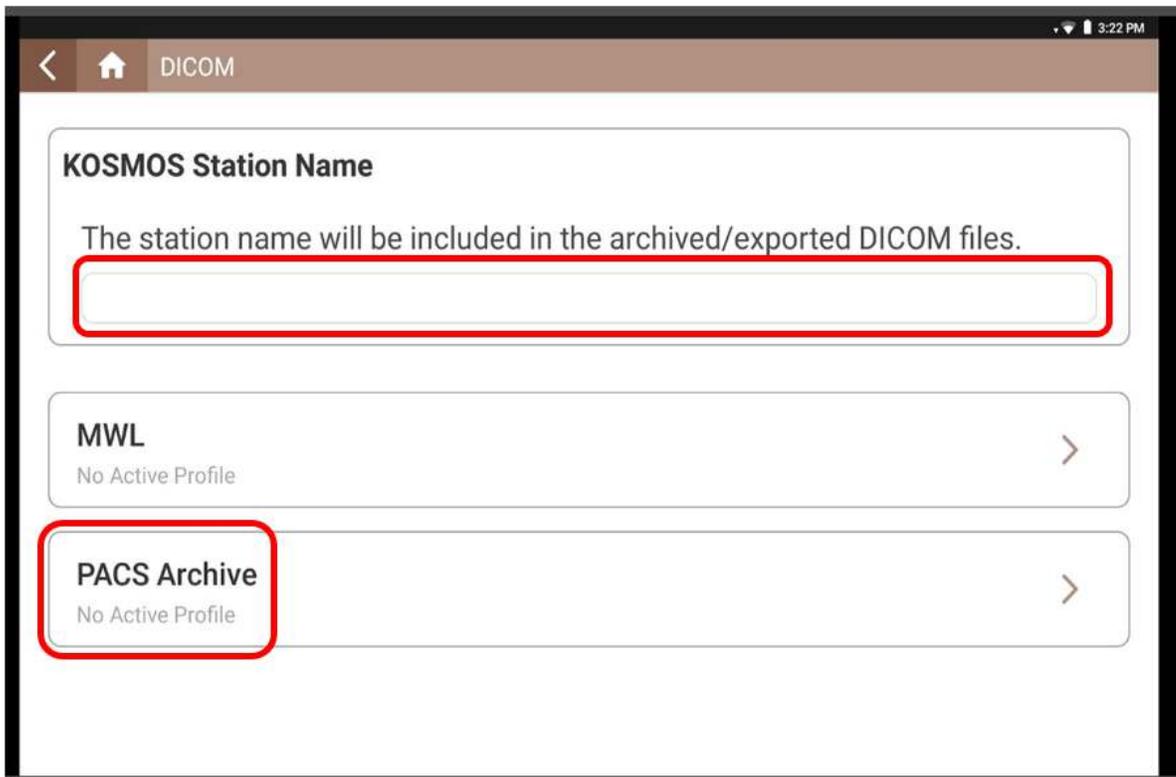
3. Scroll down and click on **ADMIN**.



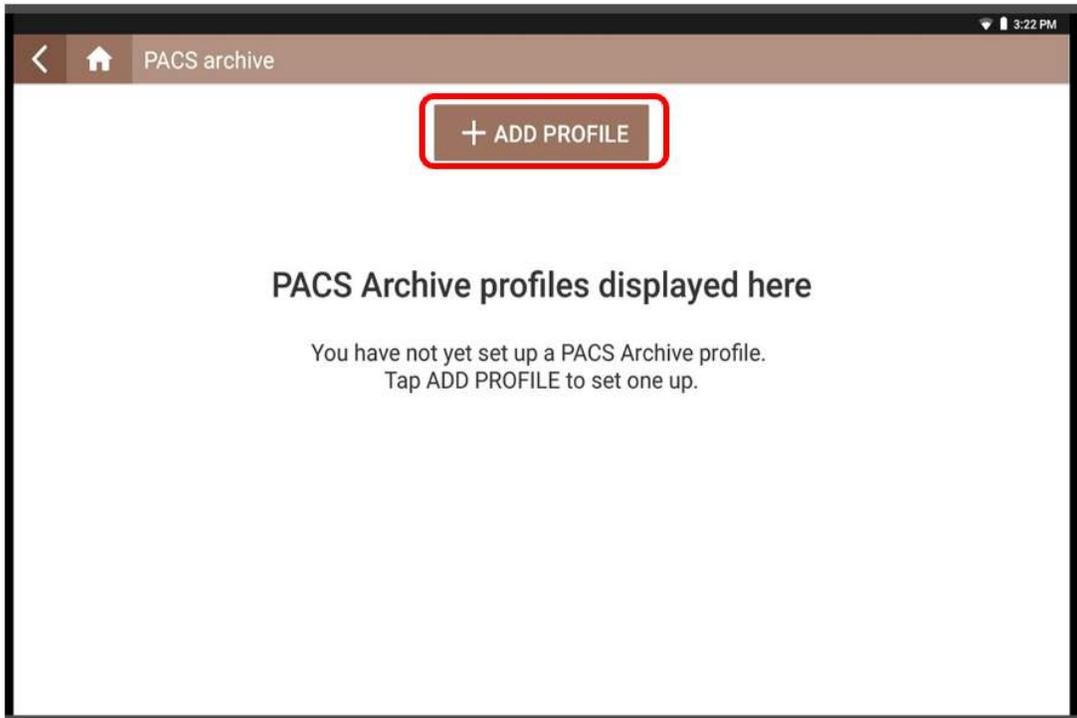
4. Click on **DICOM**.



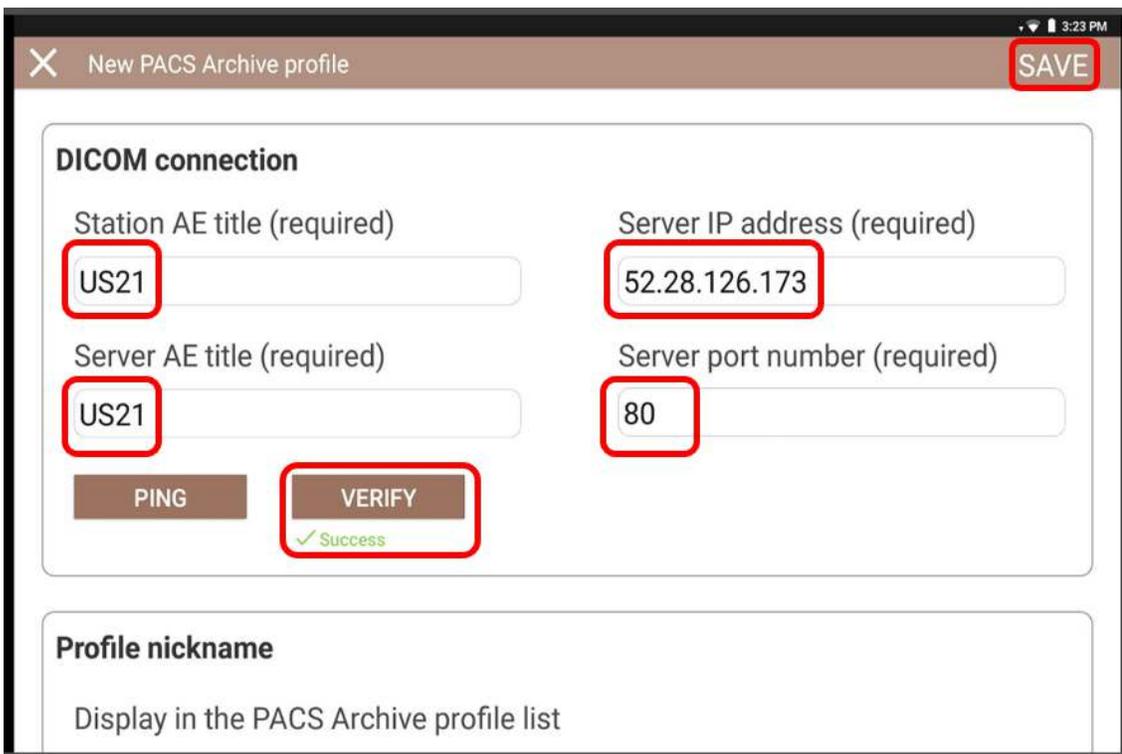
5. Enter the provided **Station Name** and click on **PACS Archive**. If you haven't received a station name, kindly send a request to account@us2.ai.

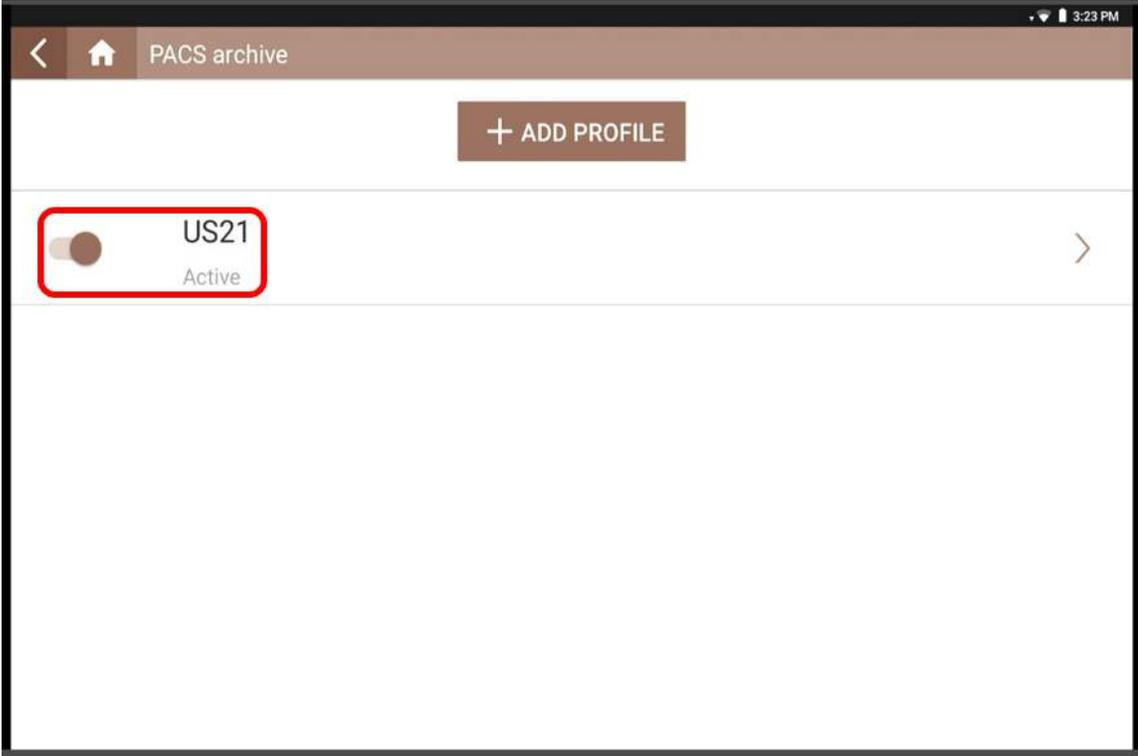


6. Click on **ADD PROFILE**.



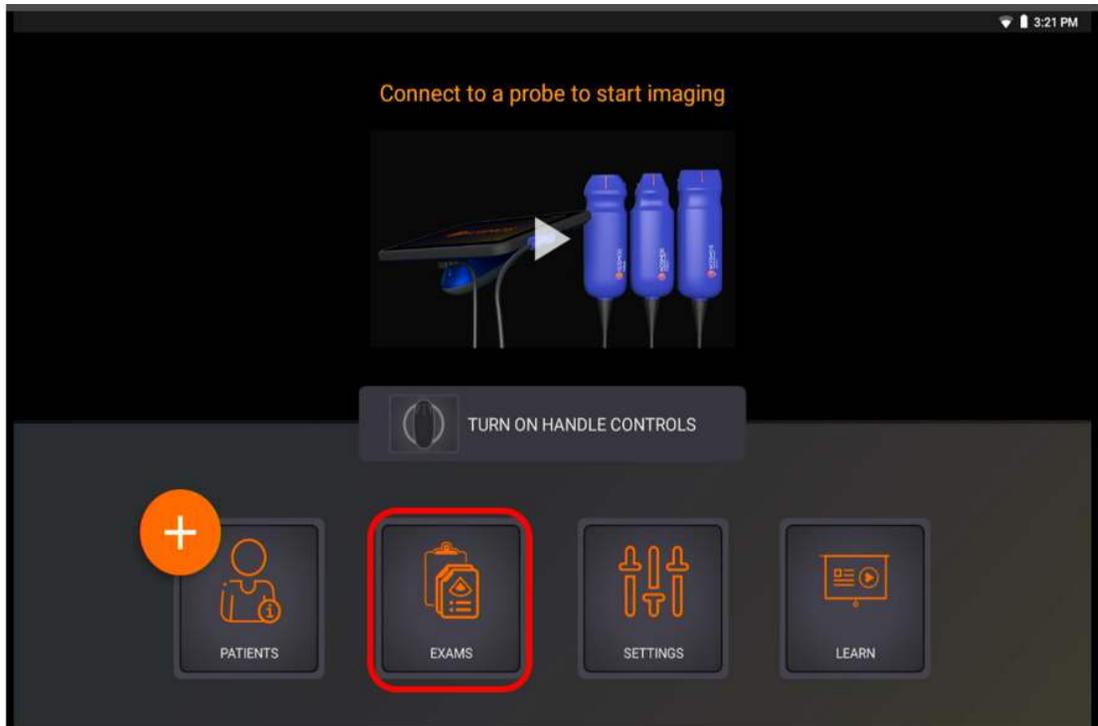
7. Enter the following **credentials** as shown in the figure. Then click on **VERIFY**. This should return **Success**. Click on **SAVE**. The profile should now be **active**.
- If it doesn't return **Success**, double check the credentials and ensure that the device is connected to the internet.



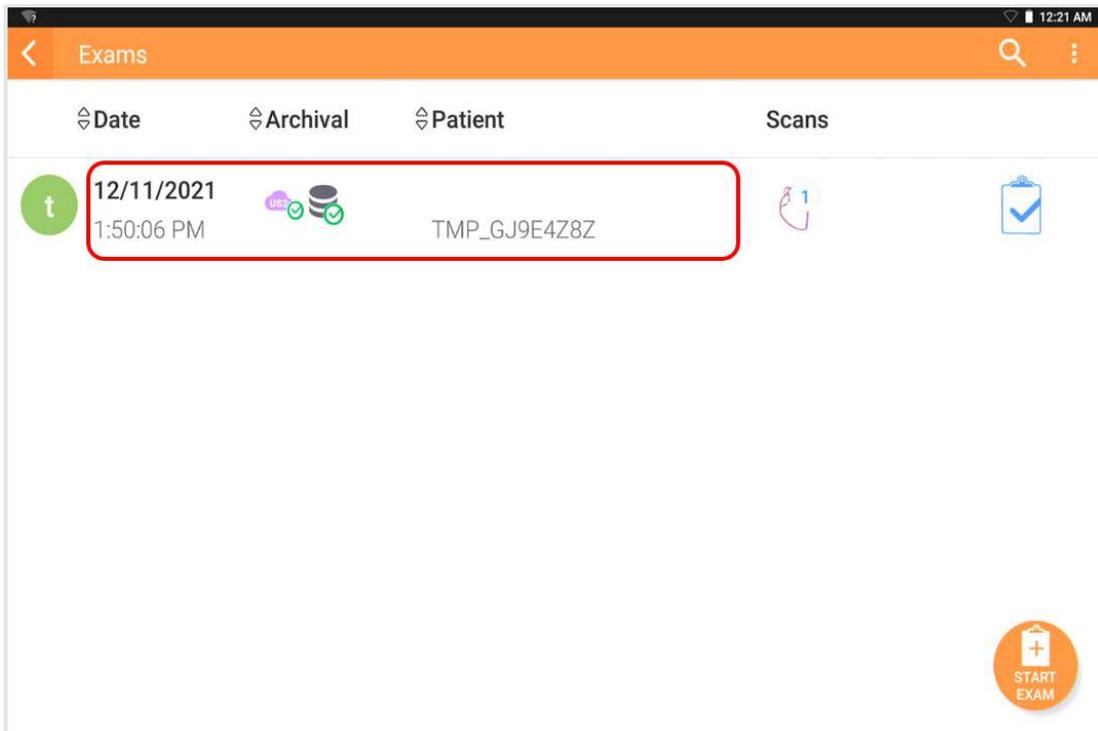


3.3 Upload study via PACS Archive

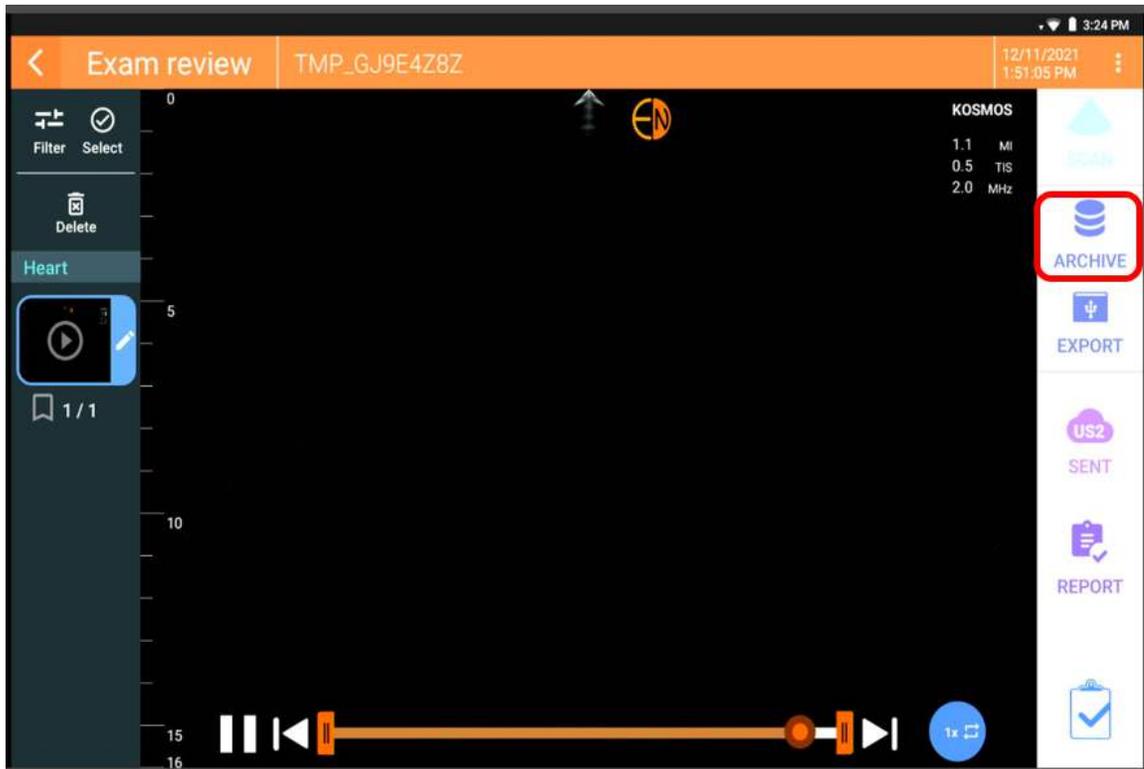
1. Go to **EXAMS**



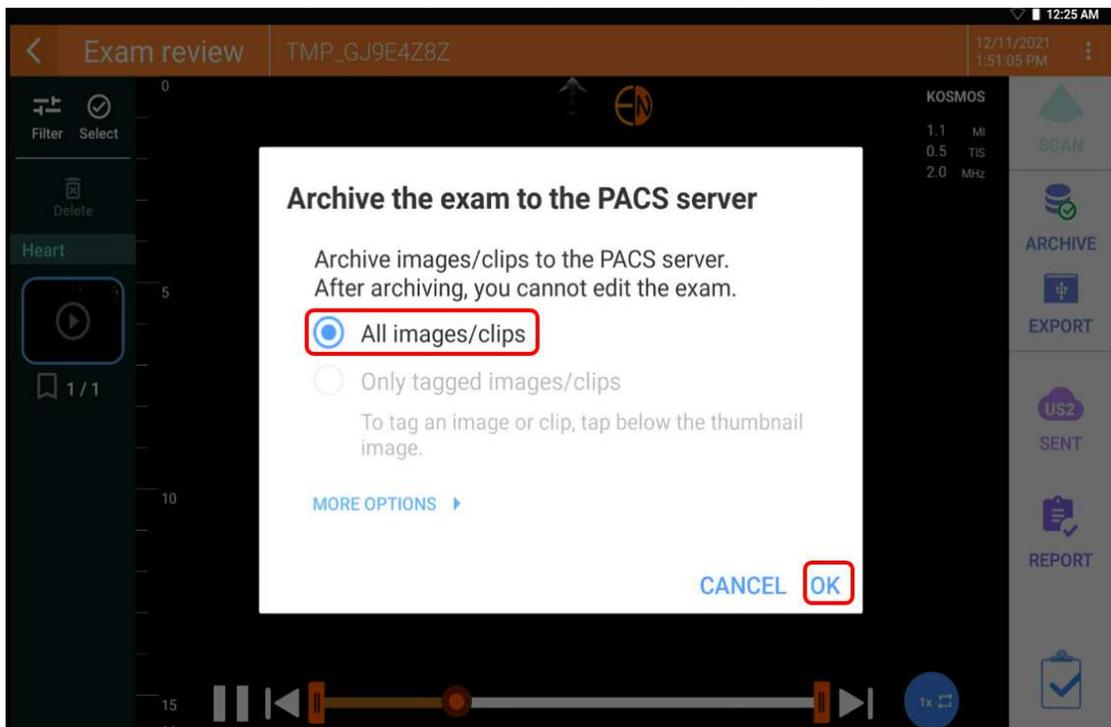
2. Open a study that you wish to upload by **clicking** anywhere within the red highlighted section.



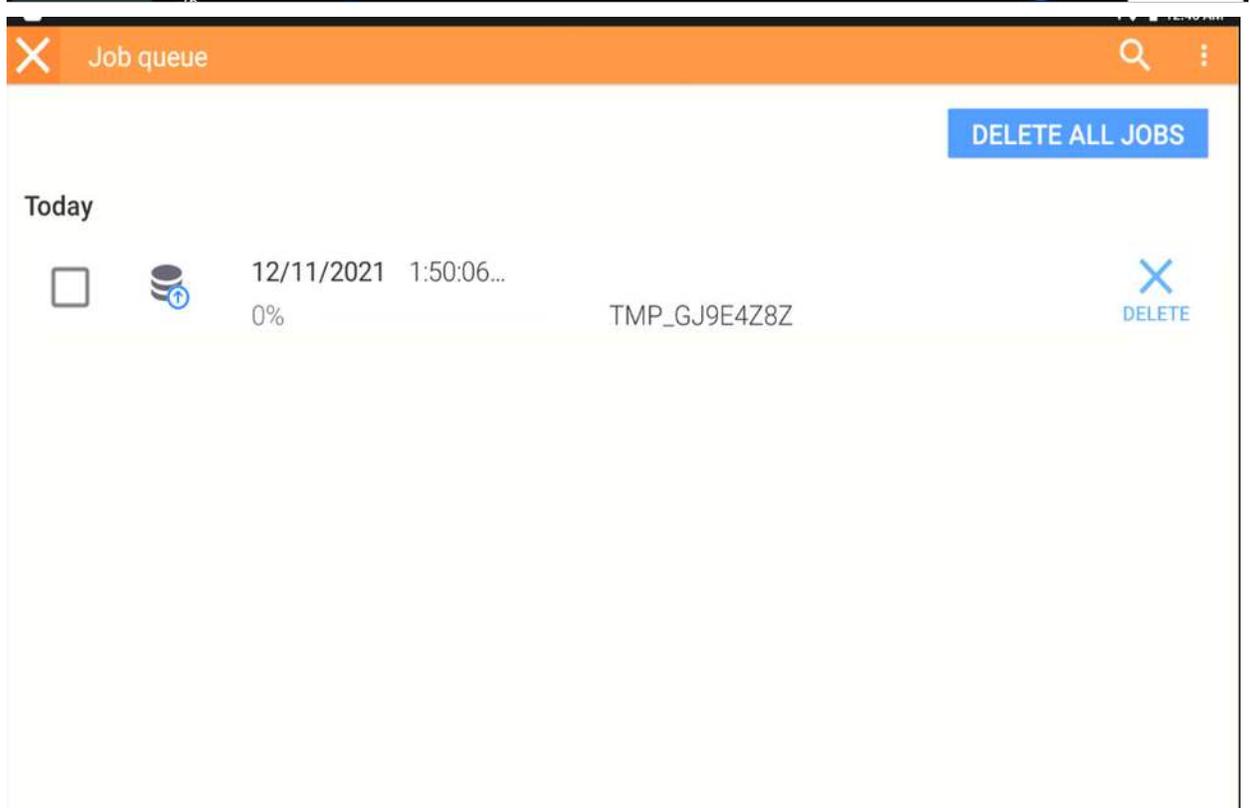
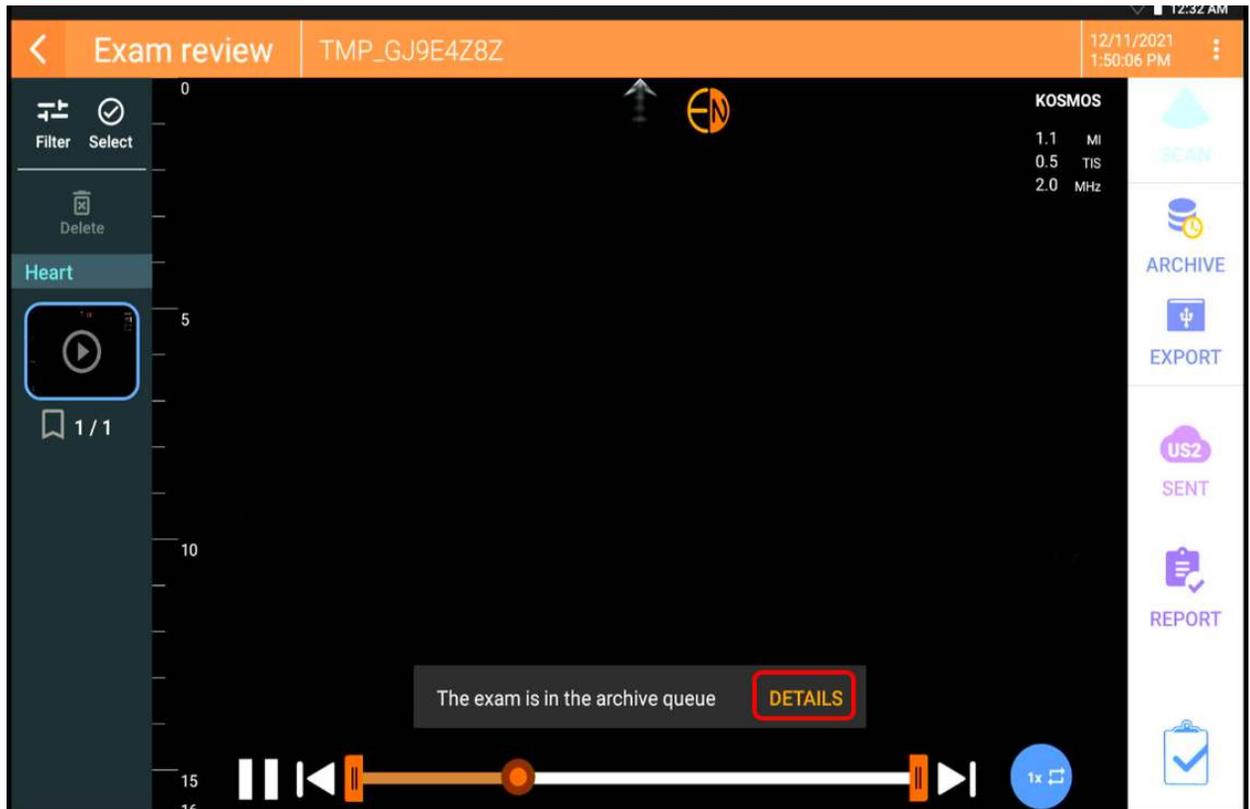
3. Click on the **Archive** button.



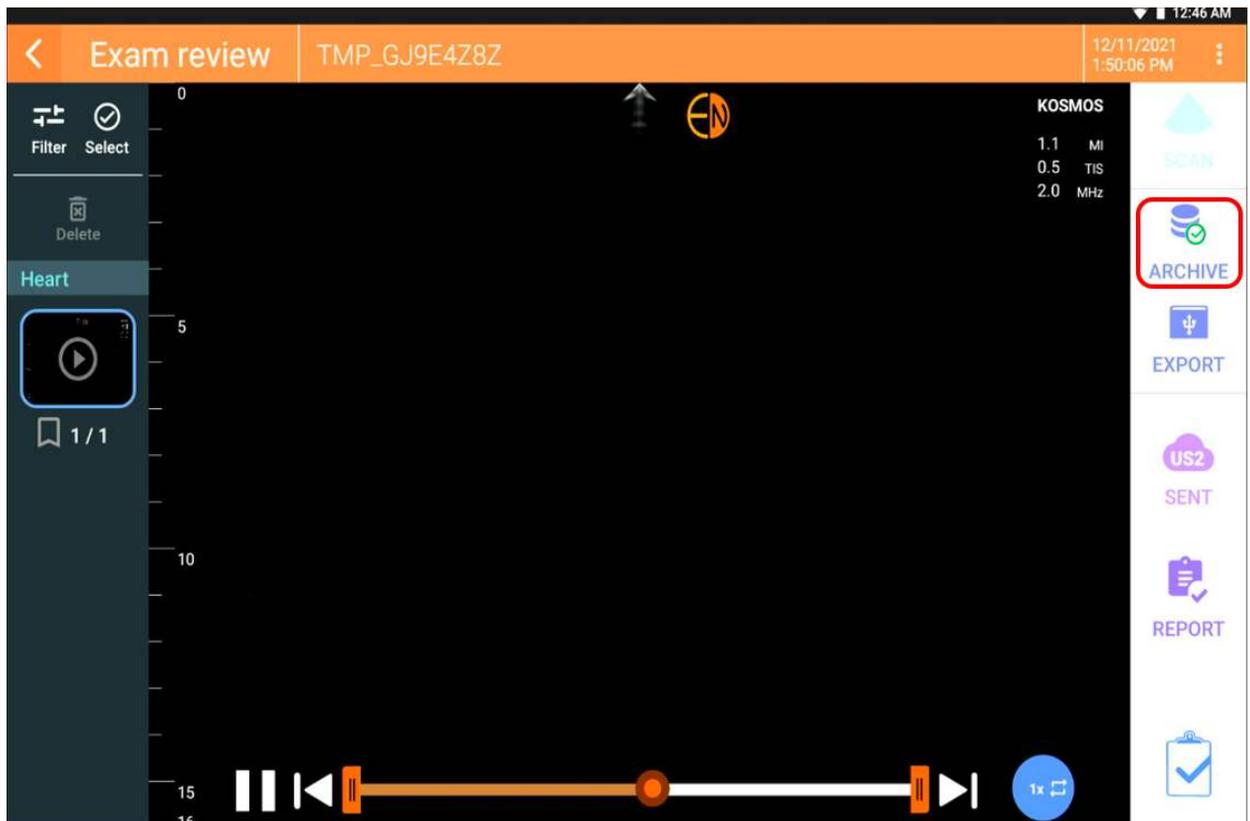
4. Keep the default selection and click on **OK** to start the upload process. Alternatively you can select the second option to upload only selected images/clips.



5. A popup on the bottom of the screen will appear for a short time. Click on **DETAILS** to track the progress of the upload.



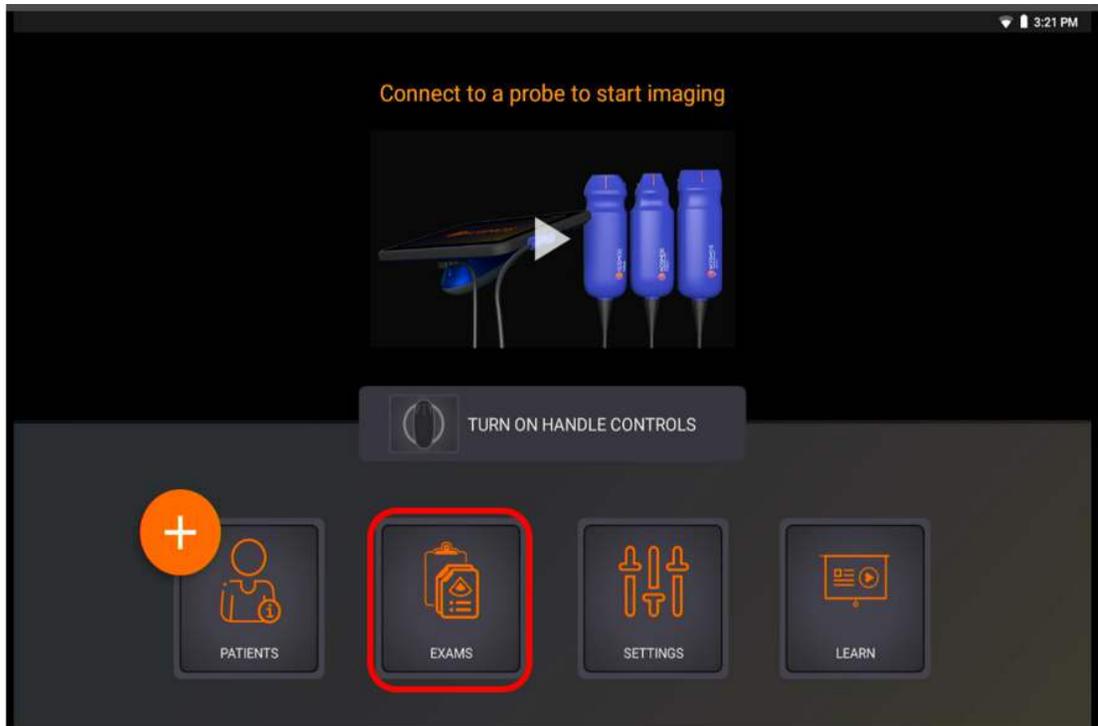
- Once the study has been successfully uploaded, the **ARCHIVE** button will show a green tick.



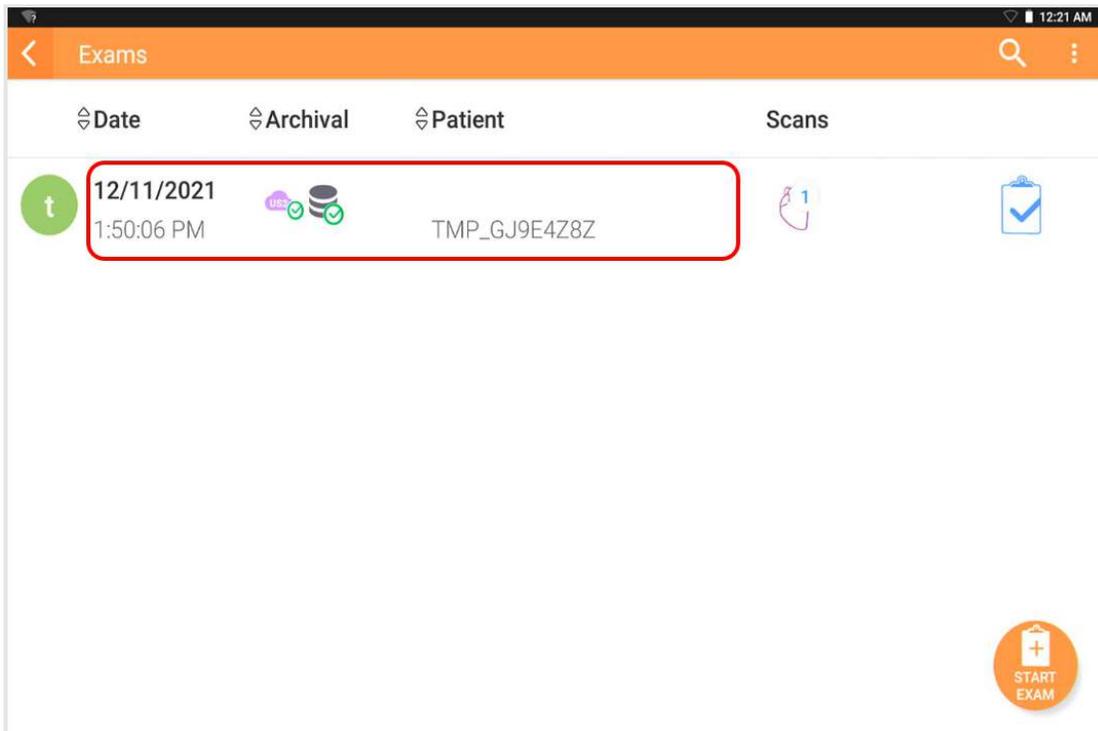
- Us2.ai will now generate a report. Depending on the speed of your internet connection, a report should be generated in 2-3 minutes. See [2.2 Accessing Us2.ai and view report](#)

3.4 Export study via USB

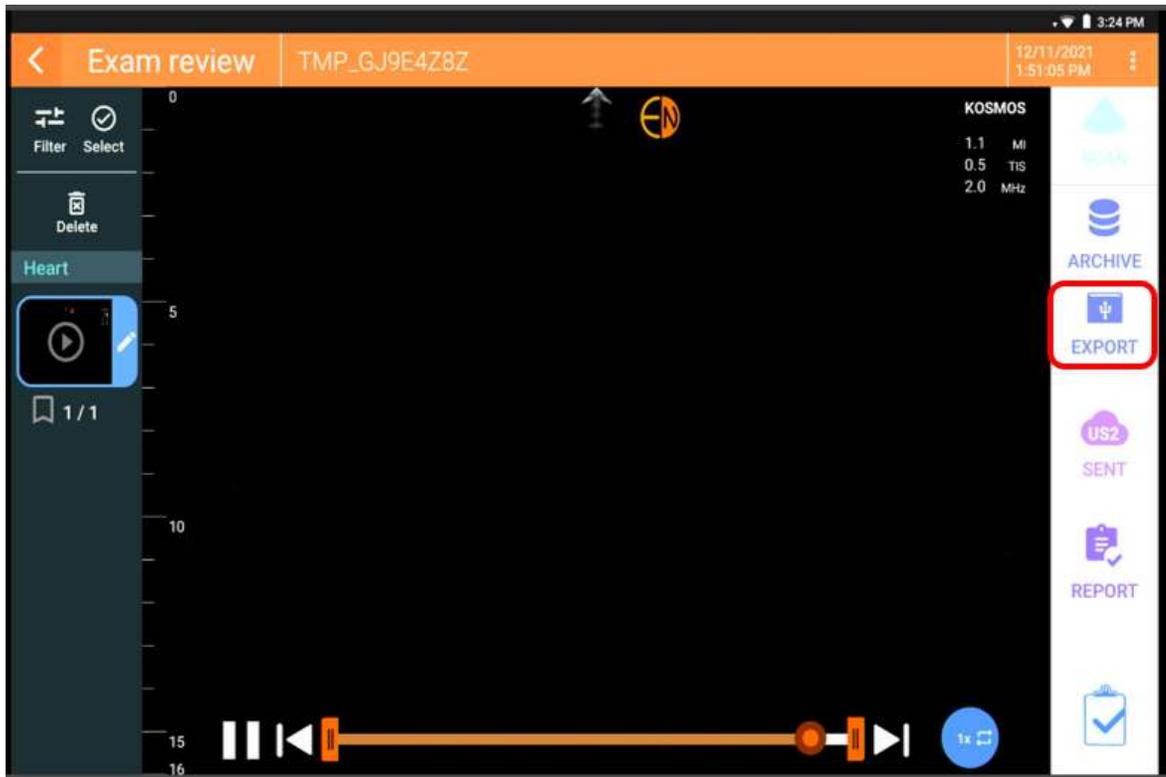
1. Go to **EXAMS**



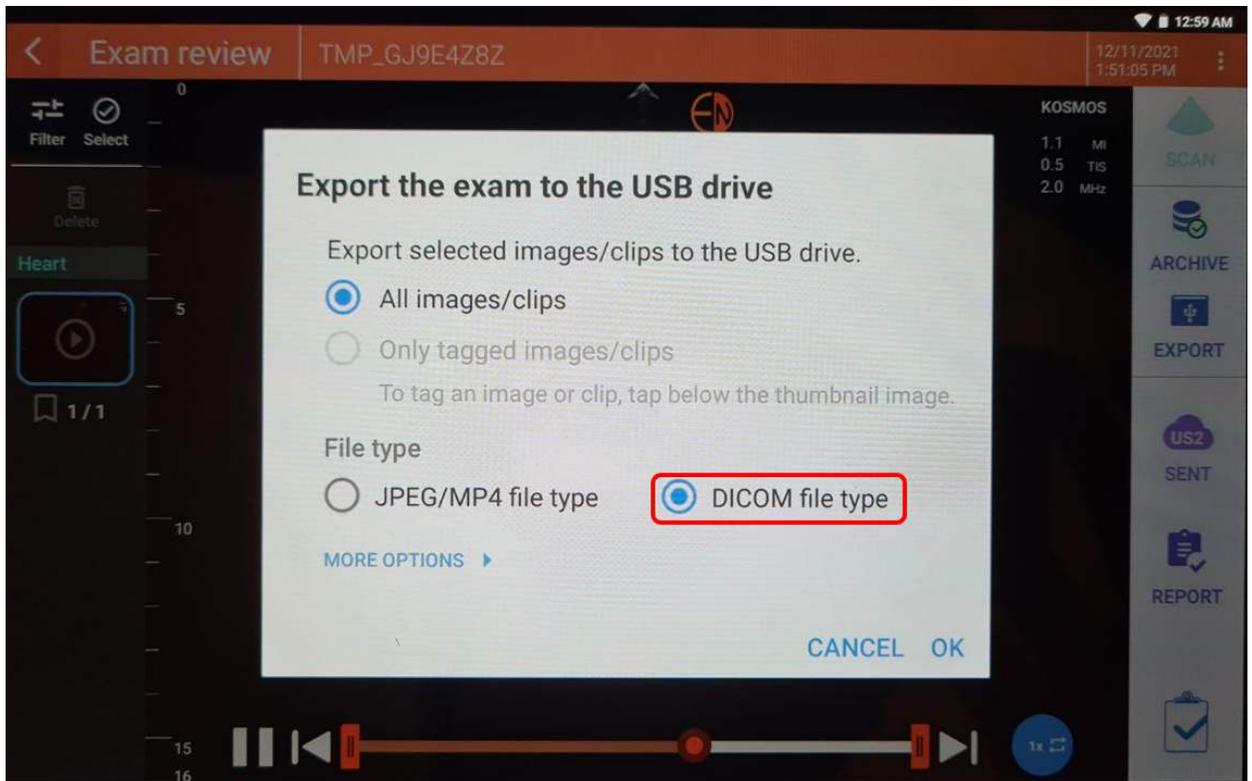
2. Open a study that you wish to upload by **clicking** anywhere within the red highlighted section.



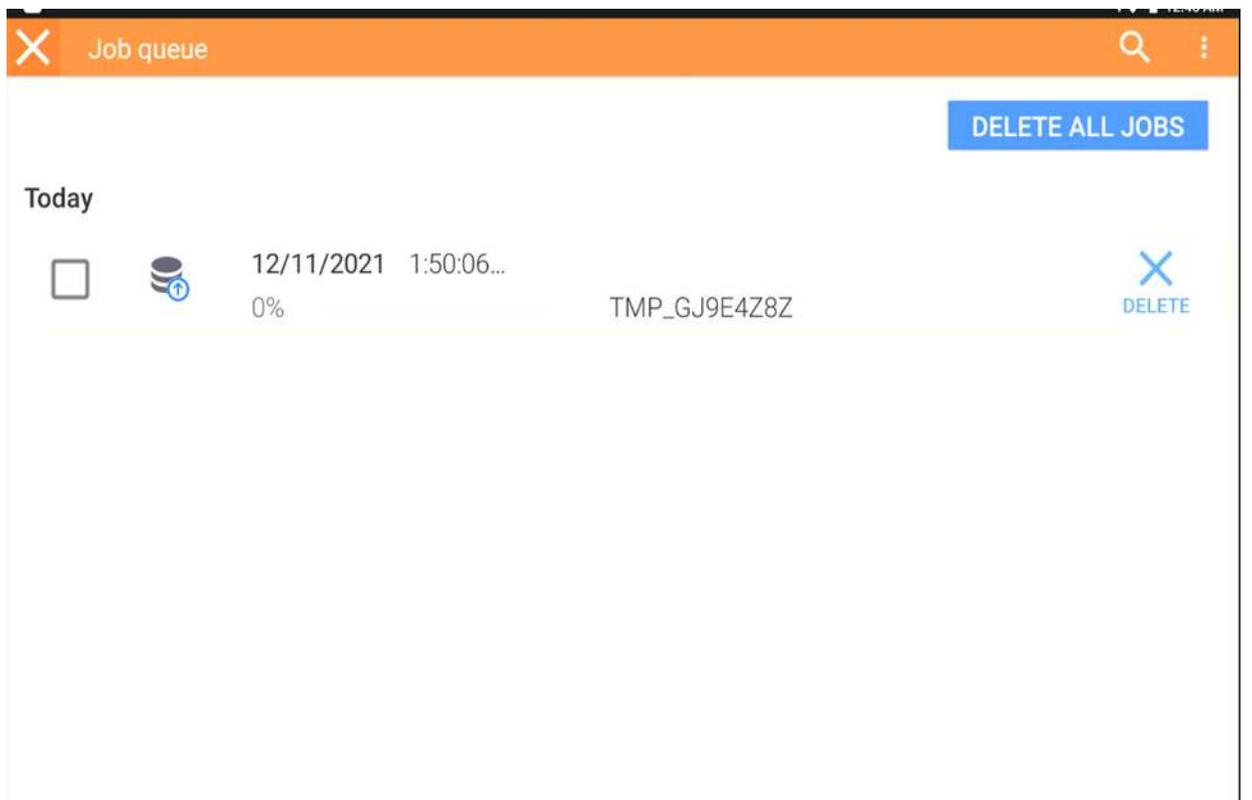
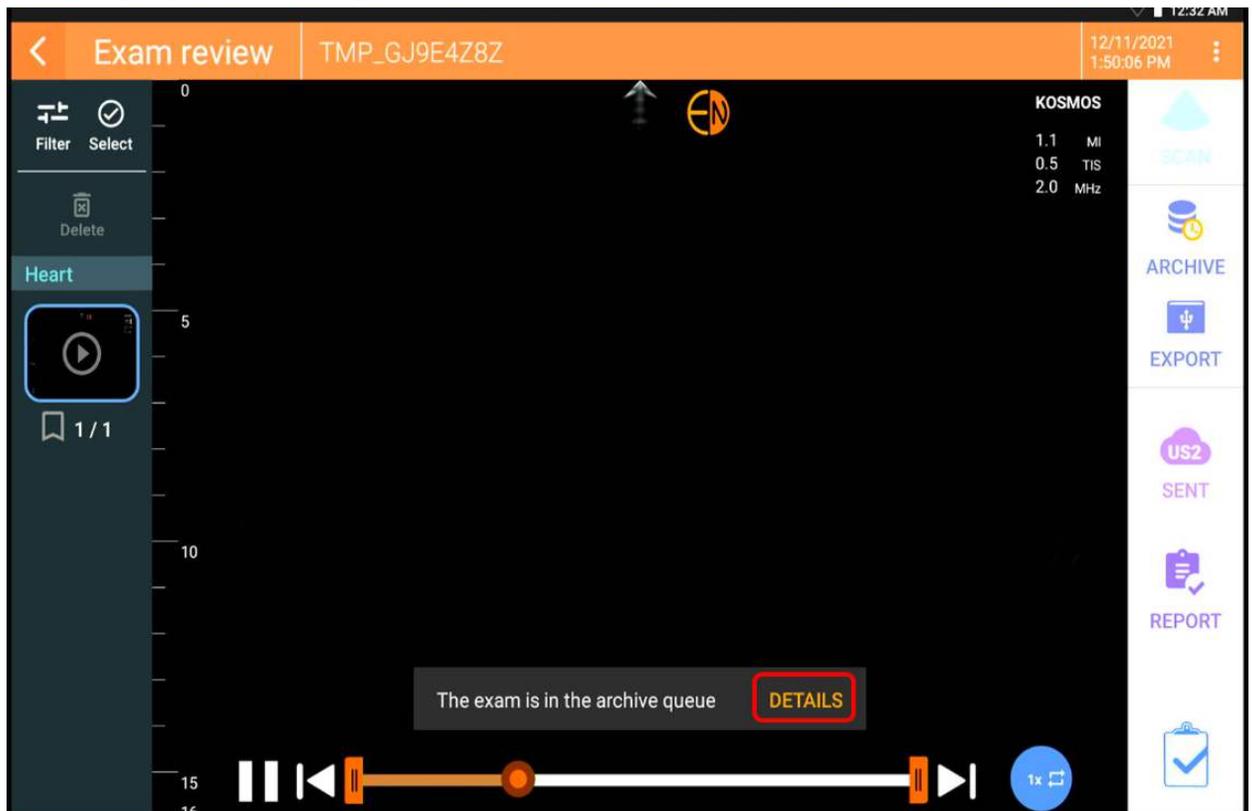
3. Click on the **EXPORT** button.



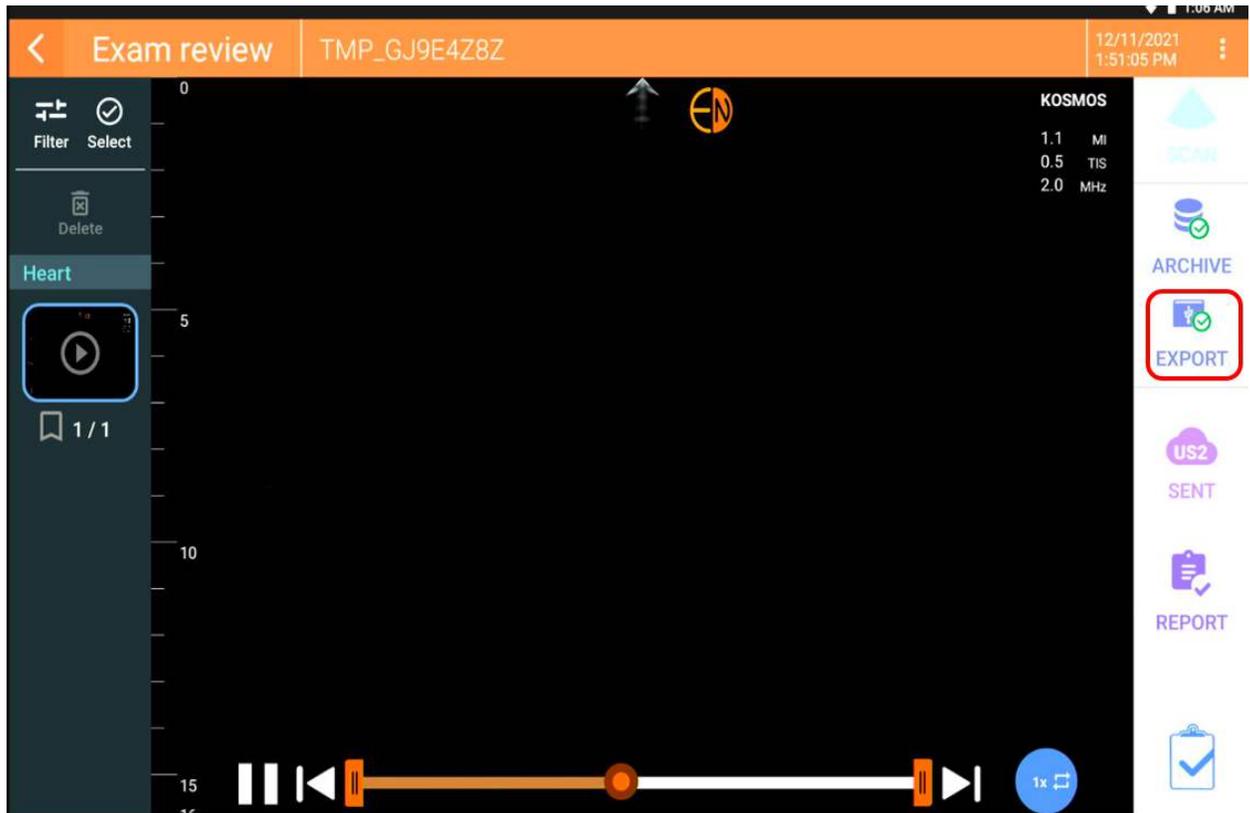
4. Ensure to select the **DICOM file type** option and click on **OK** to start the export process.



5. A popup on the bottom of the screen will appear for a short time. Click on **DETAILS** to track the progress of the export.



- Once the study has been successfully exported, the **EXPORT** button will show a green tick.



- Proceed to [2.3 Upload using EchoLoader](#) to upload exported studies to Us2.ai.