

SonicDICOM PACS MWM Manual

August 29, 2023

Contents

1. About Modality Worklist	3
1.1 About Modality Worklist	3
1.2 About Status of Modality Worklist	3
2. About available items in Modality Worklist	4
3. Add Modality Worklist by manual	5
3.1 Enter the information manually and add Modality Worklist	5
3.2 Refer to the patient list and add Modality Worklist	7
3.2.1 Add Patient List manually	7
3.2.2 Refer to the Patient List and add Modality Worklist	9
4. Add Modality Worklist by loading CSV file	13

1. About Modality Worklist

1.1 About Modality Worklist

You can create a Modality Worklist in SonicDICOM PACS.

The Modality Worklist contains information about the modality that will perform scanning and the patient to be scanned.

The modality retrieves the Modality Worklist using DICOM communication before scanning.

Then, once the modality scans based on the retrieved information, it sends the images to SonicDICOM PACS.

This eliminates the need for manual input of information on the modality side, thereby preventing medical errors and improving operational efficiency.

1.2 About Status of Modality Worklist

Modality Worklist has some status.

When the modality retrieves the information in Modality Worklist, the status becomes **"In Progress"**.


Once the modality completes scanning images and SonicDICOM PACS receives that data, the status becomes **"Completed"**.

2. About available items in Modality Worklist

The following items can be entered in Modality Worklist. * is required.

- Modality *
- AETitle
- PatientID *
- PatientName
- PatientSex
- PatientBirthDate
- PatientComments
- StudyDate
- StudyDescription
- StudyID
- AccessionNumber

Add Modality Worklist ×

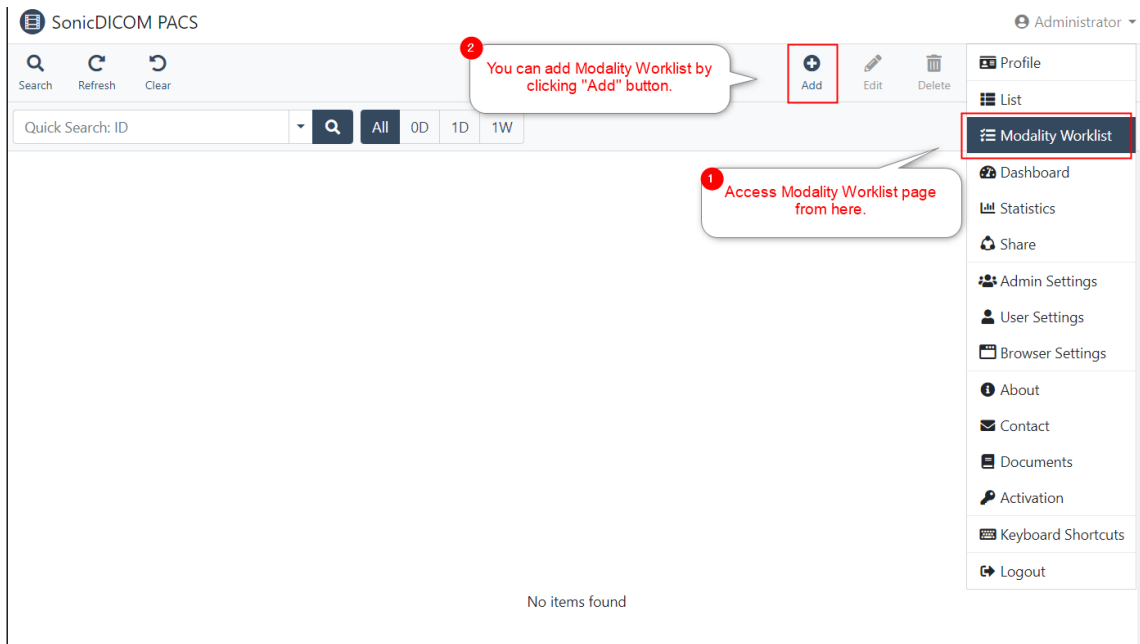
Modality*	<input type="text"/>
AE Title	<input type="text"/>
ID*	<input type="text"/> 
Name	<input type="text"/>
Sex	<input type="text"/>
DOB	<input type="text"/>
Comments	<input type="text"/>
Study Date	<input type="text"/>
Description	<input type="text"/>
Study ID	<input type="text"/>
Accession No	<input type="text"/>

3. Add Modality Worklist by manual

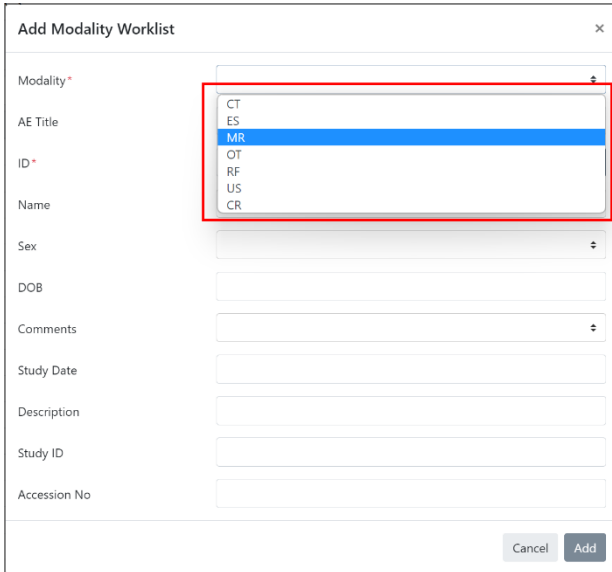
You can manually add information to Modality Worklist by two ways. One is by entering the information manually and the other is by referencing the information in the patient list.

3.1 Enter the information manually and add Modality Worklist

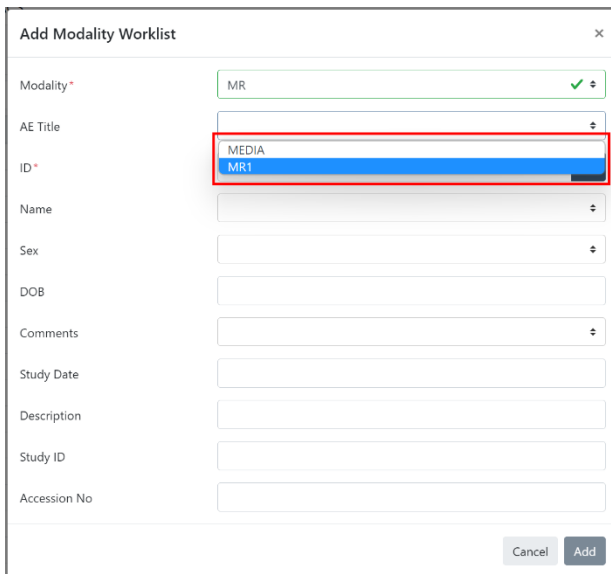
1. Click the menu in the upper right corner and click “Modality Worklist”.
2. Click “Add” on the toolbar of Modality Worklist.



3. Select Modality.



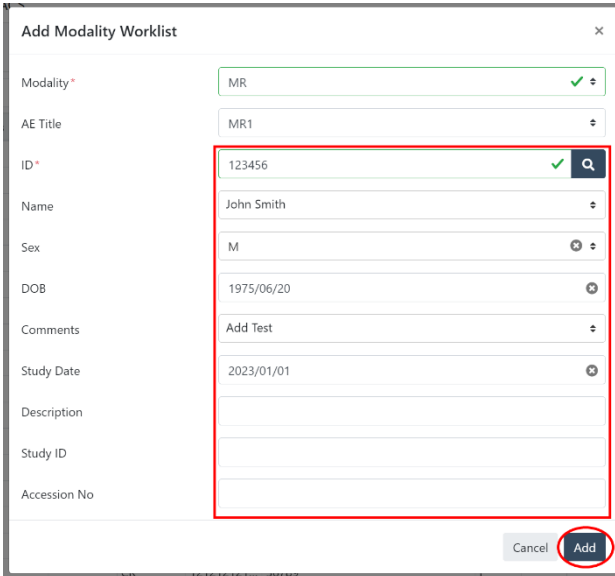
4. Select AE titles as needed.



TIPS: You can assign a specific AE title for a specific modality. For example, if you have 5 ultrasound machines, you can identify each ultrasound machines by its AE title.

How to set: Access Admin Settings > Client > General, and add AE title under each modality.

5. Enter patient information such as ID, etc.
6. Click "Add".



Add Modality Worklist

Modality* MR ✓

AE Title MR1

ID* 123456 ✓

Name John Smith

Sex M

DOB 1975/06/20

Comments Add Test

Study Date 2023/01/01

Description

Study ID

Accession No

Cancel Add

7. Check that the information has been added to the Modality Worklist.



Status	Report	Modality	AE Title	ID	Name	Sex	Age	DOB	Study Date	Description	Com...	Updated At
<input type="checkbox"/>		MR	MR1	123456	John Smith	M	047Y	1975/06/20	2023/01/01		Add Test	2023/06/21 16:29:19
<input type="checkbox"/>		CT										
<input type="checkbox"/>		MR										

3.2 Refer to the patient list and add Modality Worklist

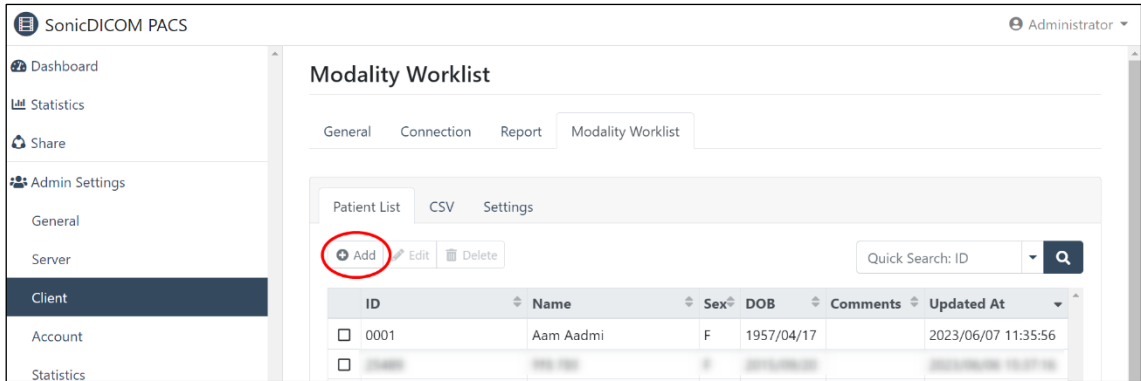
Patient information can be automatically added to Modality Worklist by referring to the patient list.

3.2.1 Add Patient List manually

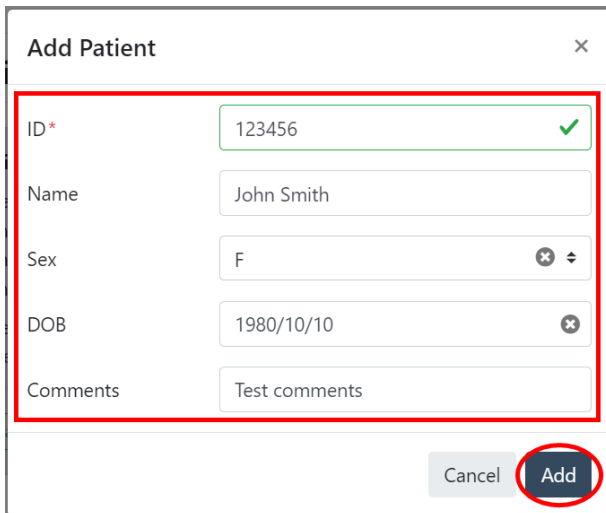
Information on the patient list can be referenced and added to the Modality Worklist.

The patient list is automatically added when you import DICOM files. If the information you would like to add to the Modality Worklist is not on the patient list, you can add it manually.

1. Click the menu in the upper right corner and click Admin Settings > Client > Modality Worklist > Patient List
2. Click "Add".



3. Enter the information you would like to add to the Modality Worklist.
4. Click "Add".

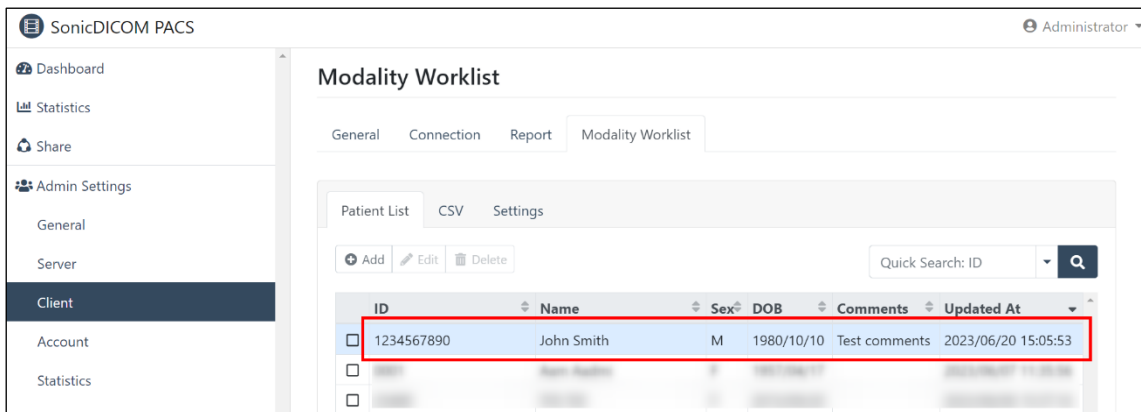


The 'Add Patient' form contains the following fields:

- ID*: 123456
- Name: John Smith
- Sex: F
- DOB: 1980/10/10
- Comments: Test comments

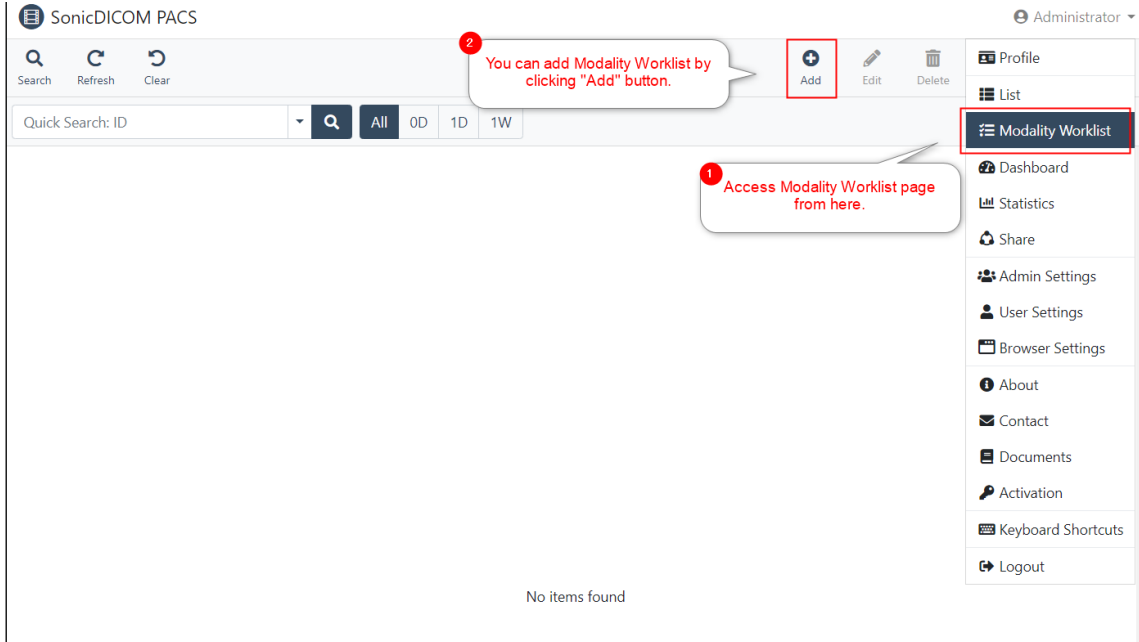
The 'Add' button is circled in red.

5. Check that the information has been added to the patient list.



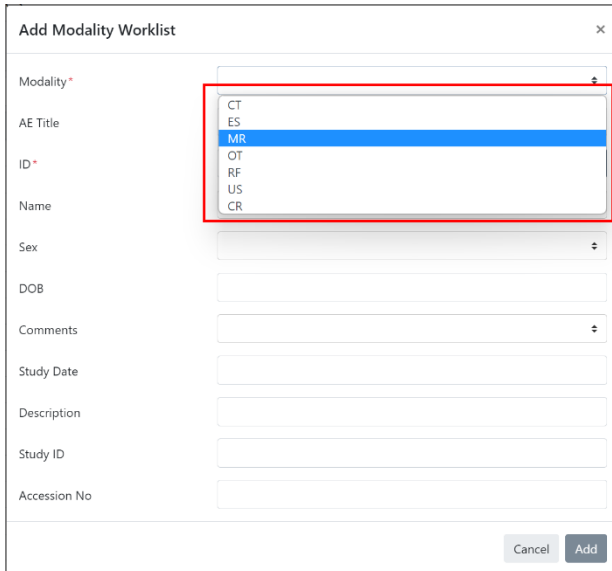
3.2.2 Refer to the Patient List and add Modality Worklist

1. Click the menu in the upper right corner and click “Modality Worklist”.
2. Click “Add” in the toolbar of Modality Worklist.



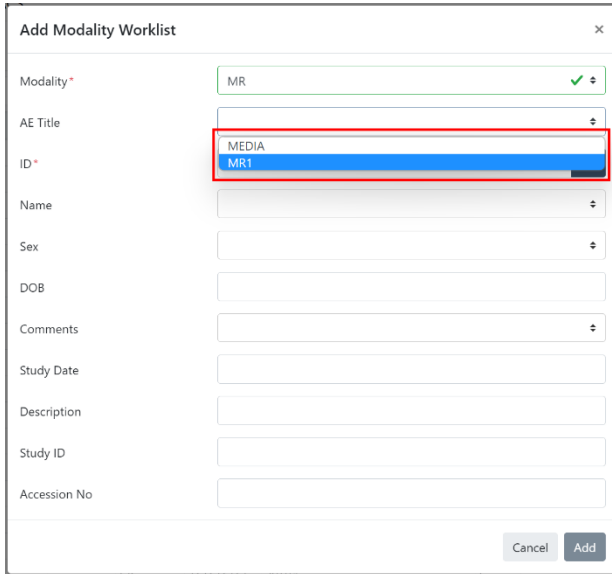
The screenshot shows the SonicDICOM PACS interface. The top navigation bar includes a search bar, refresh, and clear buttons. The main content area is currently empty, displaying "No items found". The right-hand sidebar contains a menu with the following items: Profile, List, Modality Worklist (highlighted with a red box), Dashboard, Statistics, Share, Admin Settings, User Settings, Browser Settings, About, Contact, Documents, Activation, Keyboard Shortcuts, and Logout. A callout box with a red circle and the number 2 points to the "Add" button in the toolbar, with the text: "You can add Modality Worklist by clicking 'Add' button." Another callout box with a red circle and the number 1 points to the "Modality Worklist" menu item, with the text: "Access Modality Worklist page from here."

3. Select Modality.



The screenshot shows the "Add Modality Worklist" dialog box. The "Modality" dropdown menu is open, showing a list of modalities: CT, ES, MR (highlighted with a blue background and a red box), OT, RF, US, and CR. The other fields in the dialog box are empty: AE Title, ID*, Name, Sex, DOB, Comments, Study Date, Description, Study ID, and Accession No. The "Add" button is highlighted in blue at the bottom right.

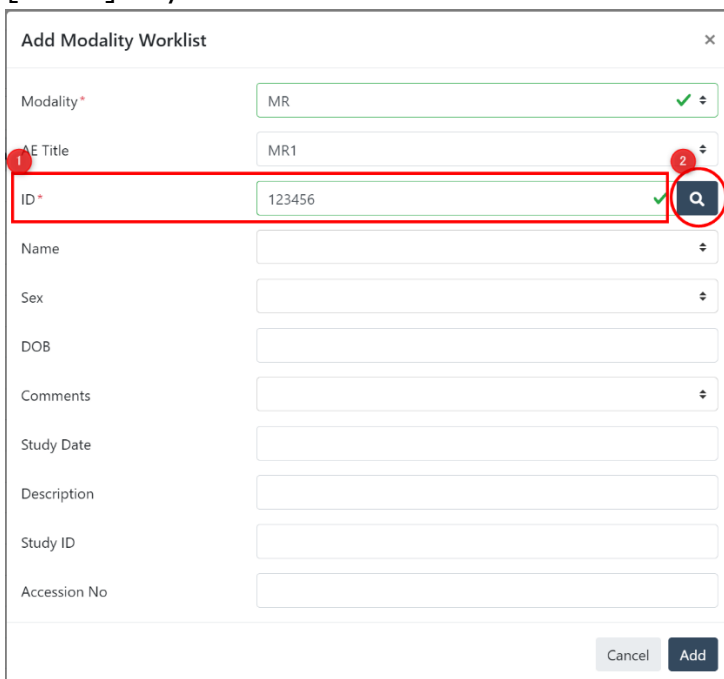
4. Select AE titles as needed.



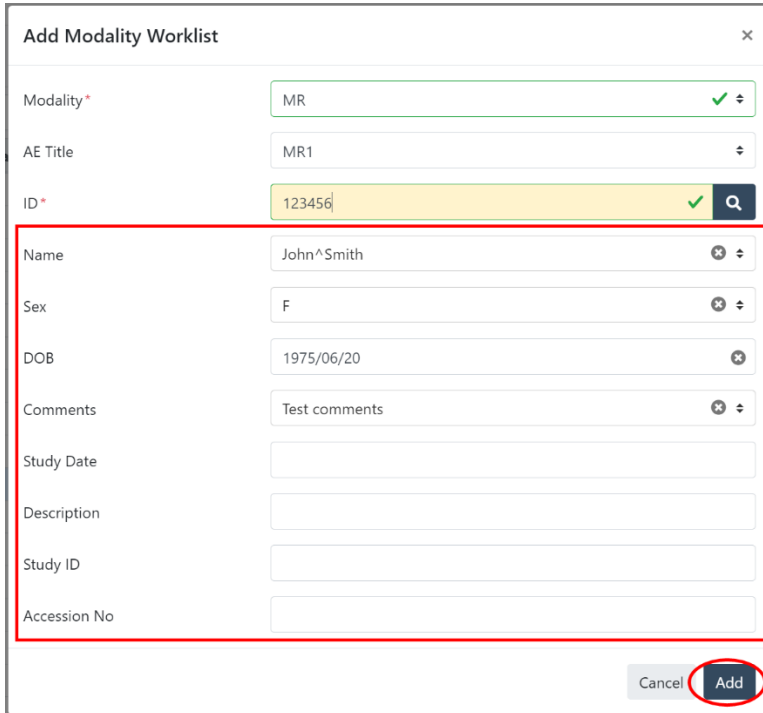
5. **TIPS:** You can assign a specific AE title for a specific modality. For example, if you have 5 ultrasound machines, you can identify each ultrasound machines by its AE title.

How to set: Access to Admin Settings > Client > General, and add AE title under each modality

6. Enter a patient ID and click the magnifying glass button or press [Enter] key.



7. Check that the information referenced from the patient list is displayed.

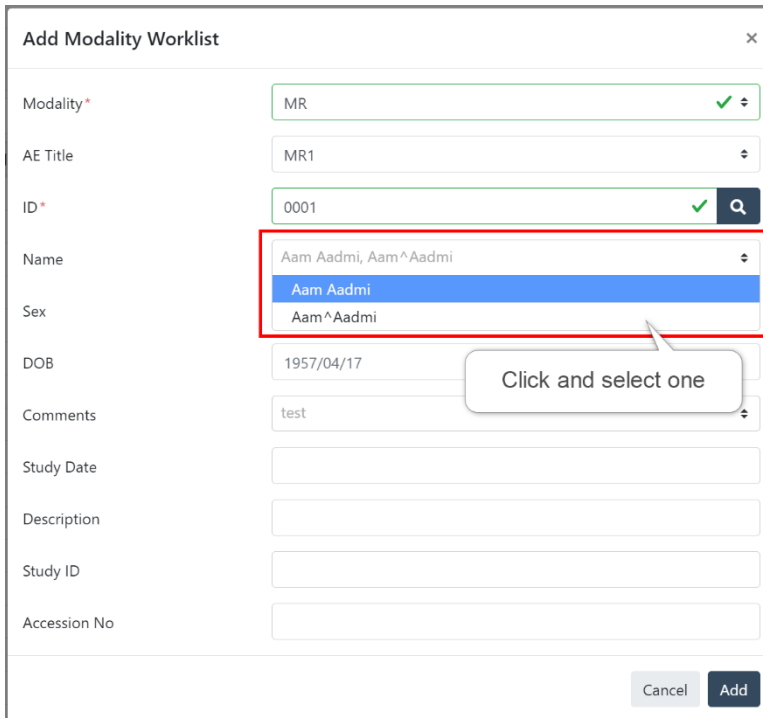


The screenshot shows the 'Add Modality Worklist' form with the following fields and values:

Field	Value
Modality*	MR
AE Title	MR1
ID*	123456
Name	John^Smith
Sex	F
DOB	1975/06/20
Comments	Test comments
Study Date	
Description	
Study ID	
Accession No	

The 'Name' field is highlighted with a red box. The 'Add' button at the bottom right is also circled in red.

If multiple patient name or other information are displayed, click that field then select one.



The screenshot shows the 'Add Modality Worklist' form with the following fields and values:

Field	Value
Modality*	MR
AE Title	MR1
ID*	0001
Name	Aam Aadmi, Aam^Aadmi
Sex	
DOB	1957/04/17
Comments	test
Study Date	
Description	
Study ID	
Accession No	

The 'Name' field is highlighted with a red box, and a dropdown menu is open showing the following options:

- Aam Aadmi
- Aam^Aadmi

A callout box with the text 'Click and select one' points to the dropdown menu. The 'Add' button at the bottom right is highlighted in blue.

8. Click "Add".
9. Check that the information has been added to the Modality Worklist.

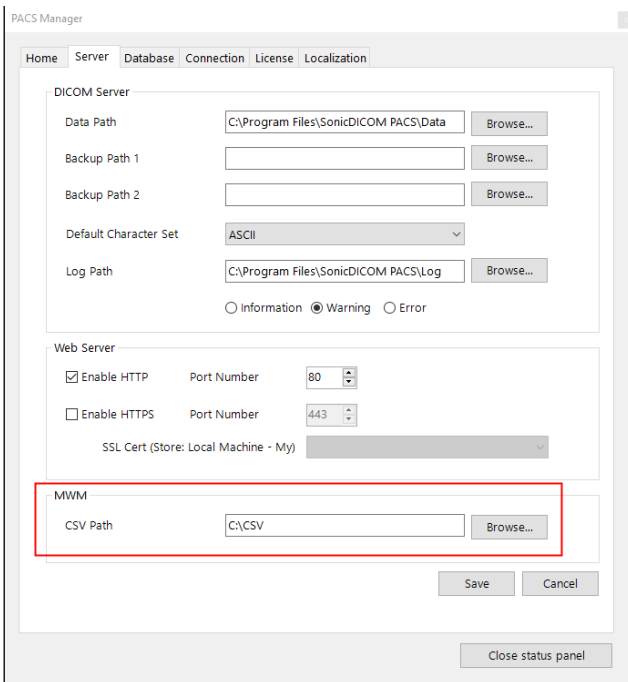


Status	Report	Modality	AE Title	ID	Name	Sex	Age	DOB	Study Date	Description	Com...	Updated At
<input type="checkbox"/>		MR	MR1	123456	John Smith	F		1975/06/20			Test co...	2023/06/29 16:25:10
<input type="checkbox"/>												
<input type="checkbox"/>												

4. Add Modality Worklist by loading CSV file

You can add Modality Worklist by loading CSV file that other software output.

1. Specify a folder where CSV file to be loaded on: PACS Manager > Server.



The screenshot shows the 'PACS Manager' application window with the 'Server' tab selected. The 'MWM' (Modality Worklist) section is highlighted with a red box. It contains a 'CSV Path' field with the text 'C:\CSV' and a 'Browse...' button. Other sections include 'DICOM Server' (Data Path, Backup Path 1, Backup Path 2, Default Character Set, Log Path) and 'Web Server' (Enable HTTP, Enable HTTPS, Port Numbers, SSL Cert).

2. From other software, output a CSV file to the specified folder. The CSV file must meet the following requirements:

- It includes the header and data of "PatientID" and "Modality".
- The delimiter is ",".
- The only values that can be entered as PatientSex are "M", "F", or "O".

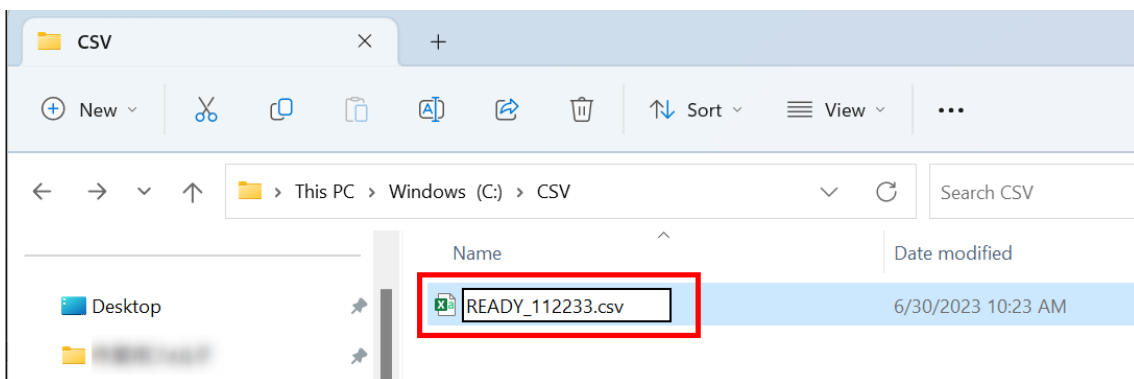
TIPS:

You can see other available values for Modality Worklist in ["2. About available items in Modality Worklist"](#).

Example of CSV file

```
1st line: PatientID,PatientName,PatientBirthDate,PatientSex,StudyDate,Modality  
2nd line: Test123,John Smith,1990/12/01,M,2023/05/01,US  
3rd line: Test456,TEST HANAKO,1990/10/15,F,2023/05/02,CT
```

3. Rename the CSV file name with "**READY_**" at the beginning.
As soon as you rename the file, the CSV file will be automatically loaded.



NOTE: Be sure to prefix the file name with "**READY_**" only after the file has been successfully output. Otherwise, SonicDICOM PACS may load the CSV file while it is being copied, which may cause unintended results.

TIPS: You can set the items to be loaded from the CSV file on Admin Settings > Client > Modality Worklist > CSV

For example, if PatientComments is turned off in this setting, SonicDICOM PACS will ignore PatientComments even if it is included in the CSV file items.

4. Check that the information has been added to the Modality Worklist.



Status	Report	Modality	AE Title	ID	Name	Sex	Age	DOB	Study Date
		CT		Test456	Mary Williams	F	032Y	1990/10/15	2023/05/02
		US		Test123	John Smith	M	032Y	1990/12/01	2023/05/01

5. When CSV file is successfully loaded, it will be automatically deleted.

TIPS: If CSV file doesn't include the header/data of "Modality" and "Patient ID", the all item and data will not be added to Modality Worklist. However, the header of CSV file includes "Patient ID", the all item will be added to Patient List.

You can access Patient List from Admin Settings > Client > Modality Worklist > Patient List.