

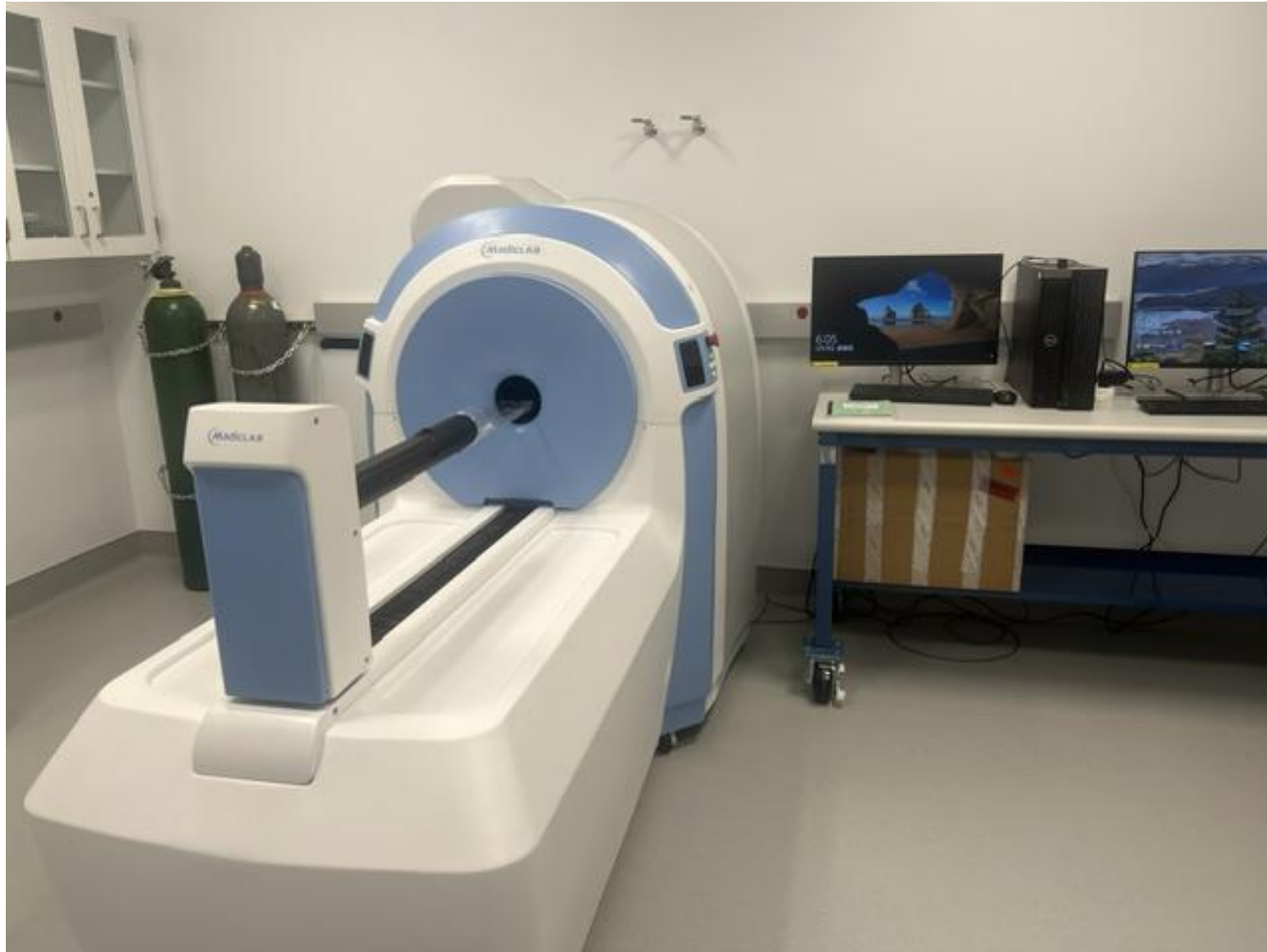
microPET Scan Steps

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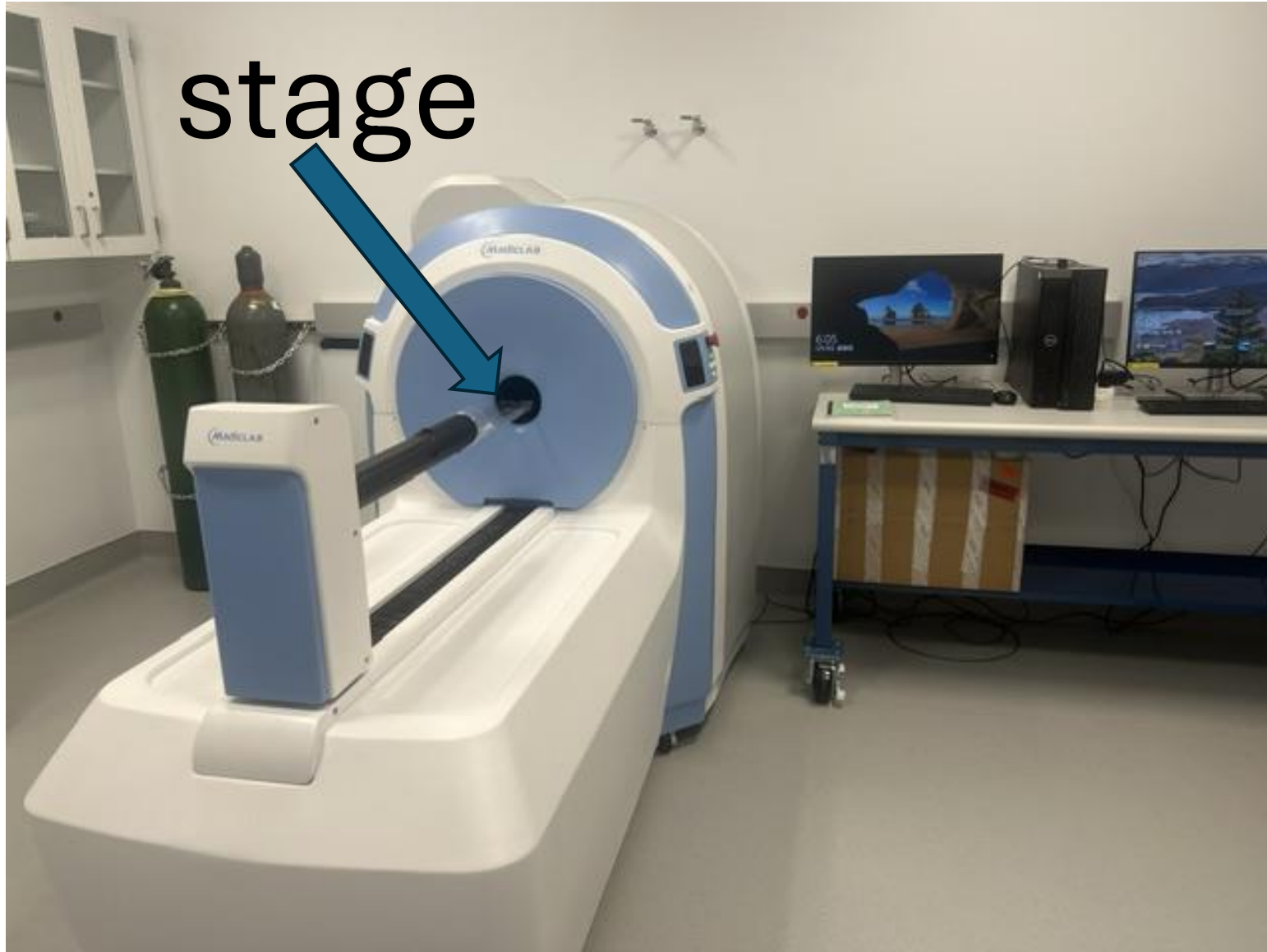
RESTORE Course 3

microPET scanner

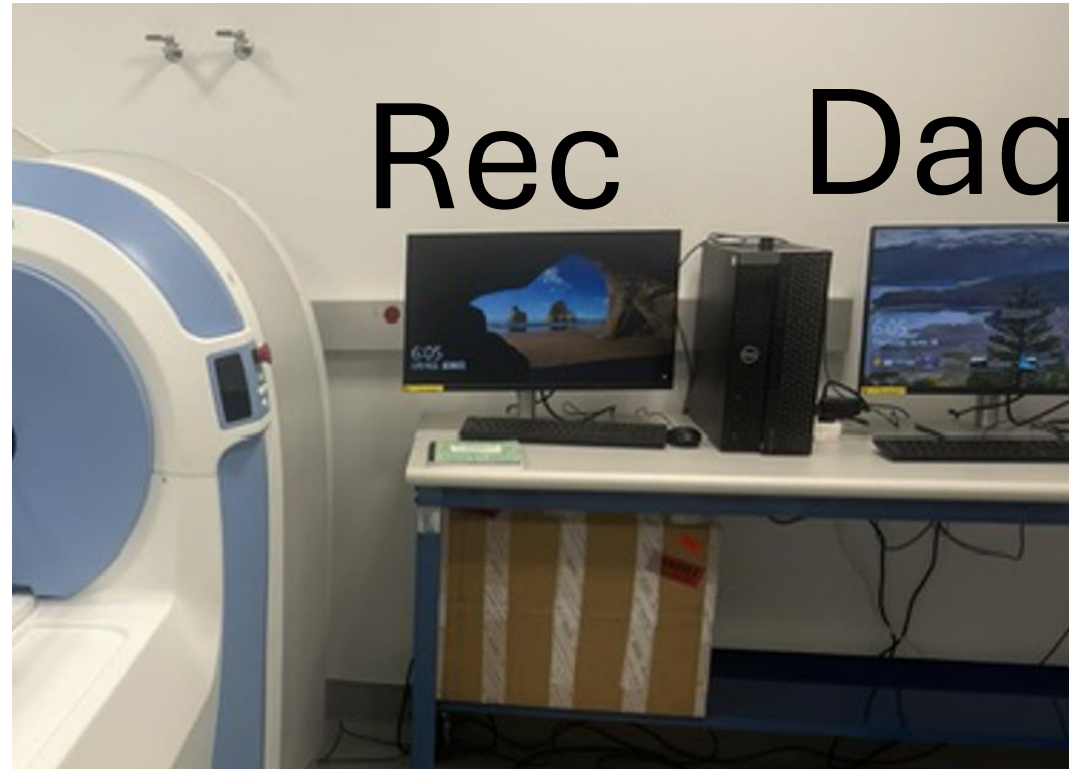


Place mouse or sample

stage



Two PCs: Daq and Rec





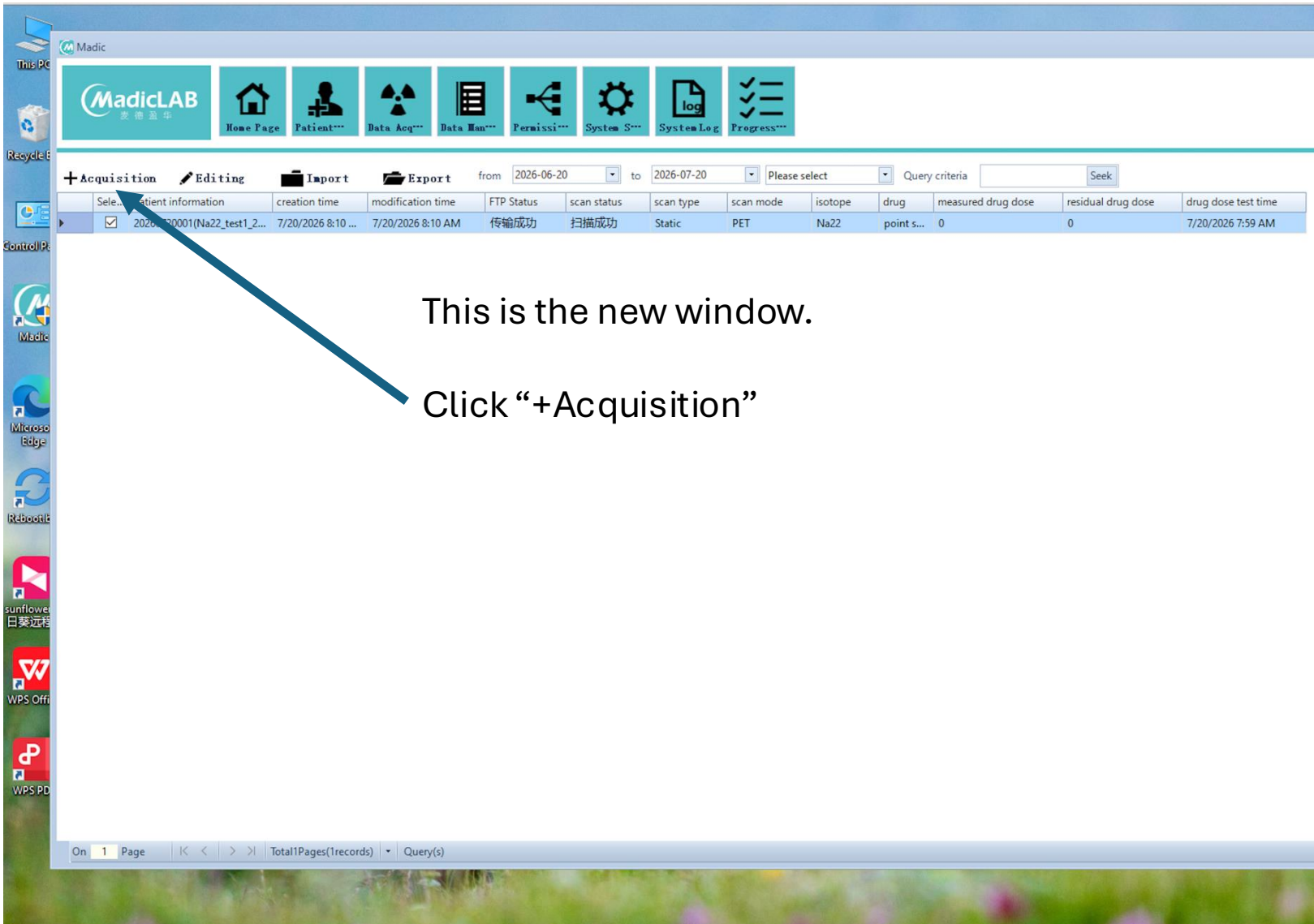
Daq PC

Data Acquisition: Step 1

Click “Madic” icon to open the program



Data Acquisition: Step 2



The screenshot displays the MadicLAB software interface. At the top, there is a navigation bar with icons for Home Page, Patient, Data Acq, Data Man, Permissi, System S, System Log, and Progress. Below this is a toolbar with buttons for +Acquisition, Editing, Import, and Export. A search bar is also present. The main area shows a table of data acquisition records. A blue arrow points to the '+Acquisition' button in the toolbar.

This is the new window.

Click “+Acquisition”

Sele...	Patient information	creation time	modification time	FTP Status	scan status	scan type	scan mode	isotope	drug	measured drug dose	residual drug dose	drug dose test time
☒	2026070001(Na22_test1_2...	7/20/2026 8:10 ...	7/20/2026 8:10 AM	传输成功	扫描成功	Static	PET	Na22	point s...	0	0	7/20/2026 7:59 AM

On 1 Page | < > | Total1Pages(1records) | Query(s)

Data Acquisition: Step 3

This is the new window for data acquisition setup.

File name

Data acquisition time

Bed position

The screenshot shows the MadicLAB software interface. The top navigation bar includes icons for Home Page, Patient, Data Acq, Data Man, Permissi, System S, System Log, and Progress. The main window is divided into several sections:

- patient information**: Fields for Code (20260720002), name, age (0), species, weight (0), length (0), contact person, contact number, contact email, and a common remarks section.
- scanning information setup**: Includes a save icon, Bed Reset, and start S. It contains a scanning setup section with scanning type (Static), scanning mode (PET), scanning length (mm) (0), and scanning posture (HFP).
- pet information**: Includes single bed scanning duration (s) (0), scanning plan, module shielding, and Move Bed Mode (single bed scanning, multi bed scanning).
- Collection Type**: Includes single and coin options.
- scanning status**: Includes CT planned number, CT actual number, Pet planned number, Pet actual number, SPECT planned number, and SPECT actual number.
- drug information**: Includes isotope (F18), drug, anesthetic, and anesthetic dose.

On the right side, there is a table with the following data:

Sele...	patient information
☒	20260720001(Na22_t

At the bottom right, there is a page indicator showing "On 1 Page".

Coincidence

Isotope:
Na22 or F18
or others

Data Acquisition: Step 4

Click “Save”

Madic

MadicLAB
麦德盈华

Home Page

Patient...

Data Acq...

Data Man...

Permissi...

System S...

System Log

Progress...

patient information

Code

20260720002

name

Na_test2_Na22

age

0

species

weight

0

length

0

contact person

contact number

contact email

common

remarks

save

Bed Reset

start s...

scanning information setup

scanning setup

scanning type

Static

scanning mode

PET

Set

scanning length (mm)

50

scanning posture

HFP

mm

mm

pet information

single bed scanning duration (s)

300

scanning plan

...

module shielding

...

Move Bed Mode

single bed scanning

multi bed scanning

Collection Type

single

coin

scanning status

CT planned number: 0

CT actual number: 0

Pet planned number: 1

Pet actual number: 0

SPECT planned numb 0

SPECT actual number: 0

drug information

isotope

F18

drug

anesthetic

anesthetic dose

close

+ Acquisition

Editing

	Sele...	patient information	creati
	☒	20260720001(Na22_test1_2...	7/20/

<

On 1 Page

<

>

Total1P

Data Acquisition: Step 5

MadicLAB
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Home Page

Patient...

Data Acq...

Data Man...

Permissi...

System S...

System Log

Progress...

patient information

Code
20260720002

name
Li_test2_Na22

age
0

species

weight
0

length
0

contact person

contact number

contact email

common

remarks

save Bed Reset start s...

scanning information setup

scanning setup

scanning type
Static

scanning mode
PET

scanning length (mm)
50

scanning posture
HFP

pet information

single bed scanning duration (s)
300

scanning plan

module shielding

Move Bed Mode

single bed scanning multi bed scanning

Collection Type

single coin

scanning status

CT planned number: 0 CT actual number: 0

Pet planned number: 1 Pet actual number: 0

SPECT planned numb: 0 SPECT actual number: 0

dr

anesthetic

anesthetic dose

+Acquisition Editing Import Export

from 2026-06-20 to

	Sele...	patient information	creation time	modification time	FTP Status	scan status
	☐	20260720002(Li_test2_Na22)	7/20/2026 9:30 ...	7/20/2026 9:30 AM	未传输	未扫描
	☐	20260720001(Na22_test1_2...	7/20/2026 8:10 ...	7/20/2026 8:10 AM	传输成功	扫描成功

New data file created.

Tips

i

Import information completed

OK

Complete setup

Data Acquisition: Step 6

Click “Start s...”

Madic

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Home Page Patient... Data Acq... Data Man... Permissi... System S... System Log Progress...

patient information

Code
20260720002

name
Li_test2_Na22

age
0

species

weight
0

length
0

contact person

contact number

contact email

☐ common

remarks

save Bed Reset start s...

start scanning

scanning information setup

scanning type
Static

scanning mode
PET

scanning length (mm)
50

scanning posture
HFP

pet information

single bed scanning duration (s)
300

scanning plan

module shielding

Move Bed Mode

☒ single bed scanning ☐ multi bed scanning

Collection Type

☐ single ☒ coin

scanning status

CT planned number: 0 CT actual number: 0

Pet planned number: 1 Pet actual number: 0

SPECT planned numb 0 SPECT actual number: 0

drug information

isotope
F18

drug

anesthetic

anesthetic dose

close

+ Acquisition Editing Import Export from 2026-06-20 to 2026-07-20

	Sele...	patient information	creation time	modification time	FTP Status	scan status	scan type	scan mo
	☐	20260720002(Li_test2_Na22)	7/20/2026 9:30 ...	7/20/2026 9:30 AM	未传输	未扫描	Static	PET
	☐	20260720001(Na22_test1_2...	7/20/2026 8:10 ...	7/20/2026 8:10 AM	传输成功	扫描成功	Static	PET

On 1 Page < > Total1Pages(2records) Query(s)

Data Acquisition: Step 7

Madic

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Home Page

Patient...

Data Acq...

Data Man...

Permissi...

System S...

System Log

Progress...

patient information

Code

20260720002

name

Li_test2_Na22

age

0

species

weight

0

length

0

contact person

contact number

contact email

common

remarks

scanning information setup

scanning setup

scanning type

Static

scanning length (mm)

50

scanning mode

PET

Set

scanning posture

pet information

single bed scanning duration (s)

300

module shielding

Move Bed Mode

single bed scanning

Collection Type

single

scanning status

CT planned number: 0

Pet planned number: 1

SPECT planned numb 0

drug information

isotope

F18

anesthetic

anesthetic dose

0

Acquisition

Editing

Import

Export

from 2026-06-20 to 2026-

Sele...	patient information	creation time	modification time	FTP Status	scan status	scan t
☐	20260720002(Li_test2_Na22)	7/20/2026 9:30 ...	7/20/2026 9:30 AM	未传输	未扫描	Static
☐	20260720001(Na22_test1_2...	7/20/2026 8:10 ...	7/20/2026 8:10 AM	传输成功	扫描成功	Static

Scan/Reconstruction progress

scan progress

PET_1

Remaining time: 5 minute 0 second

Display phas...

stop

New window pop up

Progress bar

close

On 1 Page < > Total11Pages(2records) Query(s)

Data Acquisition: Step 8

The screenshot displays the MadicLAB software interface during data acquisition. The main window is divided into several panels:

- patient information:** Fields for Code (20260720002), name (Li_test2_Na22), age (0), species, weight (0), length (0), contact person, contact number, contact email, common, and remarks.
- scanning information setup:** Includes scanning type (Static), scanning mode (PET), scanning length (mm) (50), scanning posture, single bed scanning duration (s) (300), module shielding, Move Bed Mode (single bed scanning), Collection Type (single), scanning status (CT planned number: 0, Pet planned number: 1, SPECT planned numb: 0), and drug information (isotope: F18, anesthetic, anesthetic dose: 0).
- Start Recon:** PET reconstruction setting with framing mode (None), framing length acqtime (s) (0), number of iterations, and subsets per iteration.
- +Acquisition Editing:** A table showing acquisition details.

The **Scan/Reconstruction progress** dialog box is open, showing the progress of the PET_1 scan. The progress bar is green, and a checkmark icon indicates completion. A blue arrow points to the checkmark with the word "completed".

Sele...	patient information	creation
☐	20260720002(Li_test2_Na22)	7/20/20...
☐	20260720001(Na22_test1_2...	7/20/20...

On 1 Page | Total1Pa

Data Acquisition: Step 9

Madic

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Home Page Patient Data Acq Data Man Permissi System S System Log Progress

Start Recon

PET reconstruction setting

framing mode: None
framing length acqtime (s): 0
number of iterations: 10
subsets per iteration: 1
FOV diameter: 81 mm
PET reconstruction accuracy: 1.457
start time of ACQ interception: 0
end time of ACQ interception (s): 300
Shielding module: ...
filter core size per sigma: 0
filter core size per subset: 0
filter core size per iteration: 0
Filter core size per iteration: 0
TOR filter_Sigma: 2
TOR filter core size: 5
numerical calibration coefficient: 0.042
☐ Is attenuation correction performed

bed information

☐ Bed splicing ☐ IsFlipAxisZ

selection	scan serial nu...	scan type	scan duration (s)
☒	1	PET	300

+ Acquisition Editing Import Export from 2026-06-20 to 2026-07-20 Please select Query criteria

	Sele...	patient information	creation time	modification time	FTP Status	scan status	scan type	scan mode	isotope	drug	measured dru
☒		20260720002(Li_test2_Na22)	7/20/2026 9:30 ...	7/20/2026 9:30 AM	未传输	正在扫描	Static	PET	F18		0
☐		20260720001(Na22_test1_2...	7/20/2026 8:10 ...	7/20/2026 8:10 AM	传输成功	扫描成功	Static	PET	Na22	point s...	0

Select the acquired data.

On 1 Page |< < > >| Total1Pages(2records) Query(s)

Data Acquisition: Step 10

Madic

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Home Page

Patient...

Data Acq...

Data Acquisition

Data Man...

Permissi...

System S...

System Log

Progress...

+ Acquisition

Editing

Import

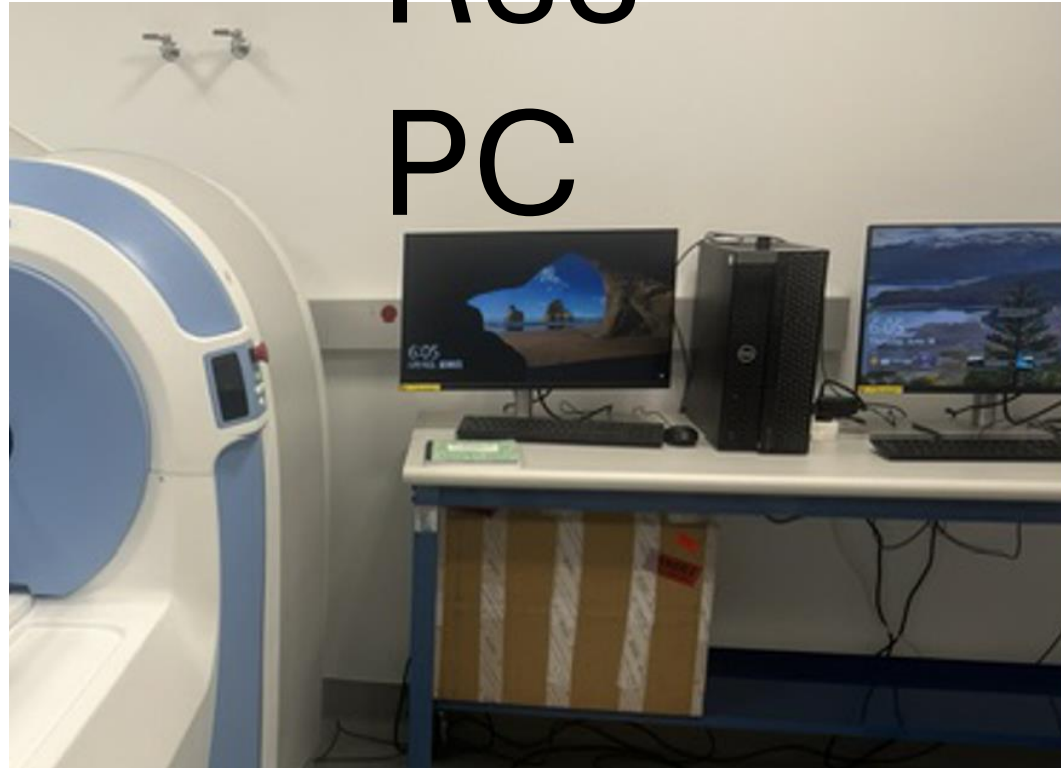
Export

from 2026-06-20 to 2026-07-20 Please select Query criteria Seek

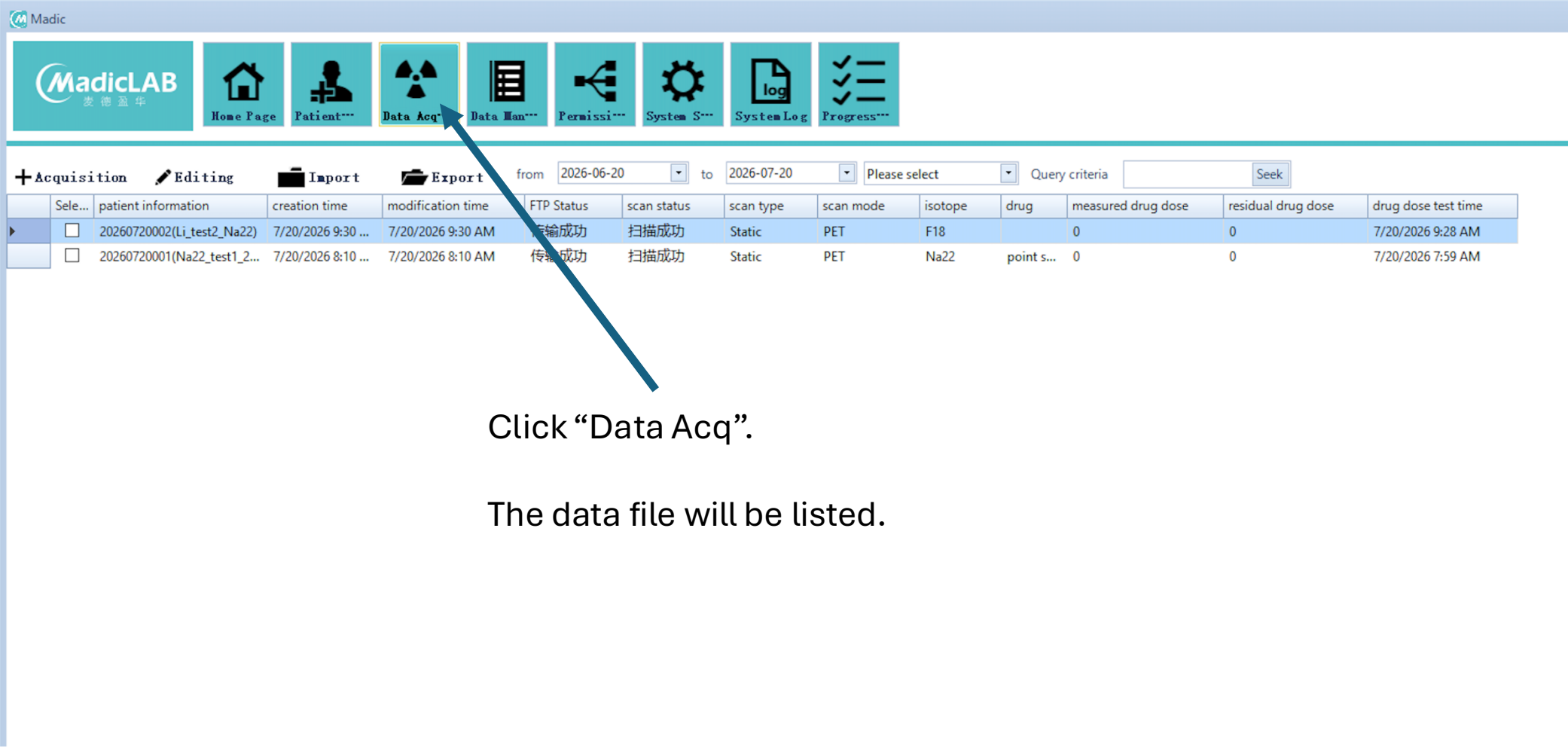
	Sele...	patient information	creation time	modification time	FTP Status	scan status	scan type	scan mode	isotope	drug	measured drug dose	residual drug dose	drug dose test time
	☐	20260720002(Li_test2_Na22)	7/20/2026 9:30 ...	7/20/2026 9:30 AM	传输成功	扫描成功	Static	PET	F18		0	0	7/20/2026 9:28 AM
	☐	20260720001(Na22_test1_2...	7/20/2026 8:10 ...	7/20/2026 8:10 AM	传输成功	扫描成功	Static	PET	Na22	point s...	0	0	7/20/2026 7:59 AM

Click "Data Acq". Then, the data file will be transferred to the Rec computer.

Rec PC



Reconstruction: Step 1



The screenshot displays the MadicLAB software interface. At the top, there is a navigation bar with several icons: Home Page, Patient..., Data Acq (highlighted with a blue arrow), Data Man..., Permissi..., System S..., System Log, and Progress... Below this bar, there is a section for data acquisition and management. It includes tabs for Acquisition, Editing, Import, and Export. A date range filter is set from 2026-06-20 to 2026-07-20. Below the filter, there is a table listing data files.

	Sele...	patient information	creation time	modification time	FTP Status	scan status	scan type	scan mode	isotope	drug	measured drug dose	residual drug dose	drug dose test time
▶	☐	20260720002(Li_test2_Na22)	7/20/2026 9:30 ...	7/20/2026 9:30 AM	传输成功	扫描成功	Static	PET	F18		0	0	7/20/2026 9:28 AM
	☐	20260720001(Na22_test1_2...	7/20/2026 8:10 ...	7/20/2026 8:10 AM	传输成功	扫描成功	Static	PET	Na22	point s...	0	0	7/20/2026 7:59 AM

Click “Data Acq”.

The data file will be listed.

Reconstruction: Step 2

Madic

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Home Page

Patient***

Data Acq***

Data Man***

Permissi***

System S***

System Log

Progress***

+ Acquisition

Editing

Import

Export

from 2026-06-20 to 2026-07-20 Please select Query criteria

Seek

	Sele...	patient information	creation time	modification time	FTP Status	scan status	scan type	scan mode	isotope	drug	measured drug dose	residual drug dose	drug dose test time
	☒	20260720002(Li_test2_Na22)	7/20/2026 9:30 ...	7/20/2026 9:30 AM	传输成功	扫描成功	Static	PET	F18		0	0	7/20/2026 9:28 AM
	☐	20260720001(Na22_test1_2...	7/20/2026 8:10 ...	7/20/2026 8:10 AM	传输成功	扫描成功	Static	PET	Na22	point s...	0	0	7/20/2026 7:59 AM

Select the data file

Reconstruction: Step 3

The screenshot shows the MadicLAB software interface. The top navigation bar includes icons for Home Page, Patient, Data Acq, Data Man, Permissi, System S, System Log, and Progress. Below this is a toolbar with tabs for Acquisition, Editing, Import, and Export. A date range filter is set from 2026-06-20 to 2026-07-20. A table of scan data is displayed with columns for patient information, creation time, modification time, FTP Status, scan status, scan type, scan mode, isotope, drug, measured drug dose, residual drug dose, and drug dose test time. A right-click context menu is open over the first row, showing options: Initiate reconstruction, FTP Transmission, Phase analysis, Open the folder, SharedTransmission, and PETPreview. Two blue arrows point from the text instructions to the right-click action and the 'Initiate reconstruction' option.

Sele...	patient information	creation time	modification time	FTP Status	scan status	scan type	scan mode	isotope	drug	measured drug dose	residual drug dose	drug dose test time
☒	202607200002/1.1-test2-Na22	7/20/2026 9:30 AM	7/20/2026 9:30 AM	传输成功	扫描成功	Static	PET	F18		0	0	7/20/2026 9:28 AM
☐	202607200002/1.1-test2-Na22	7/20/2026 8:10 AM	7/20/2026 8:10 AM	传输成功	扫描成功	Static	PET	Na22	point s...	0	0	7/20/2026 7:59 AM

Click right button of mouse. A small window pops up.

Then, click "Initiate reconstruction"

Reconstruction: Step 4

System S... System Log Progress...

to 2026-07-20 Please select Query criteria Seek

scan status	scan type	scan mode	isotope	drug	measured drug dose	residual drug dose	drug dose
扫描成功	Static	PET	F18	0	0	0	7/20/2026
扫描成功							7/20/2026

View Recon

selected information

- All
- rebuild information
- scan information
- patient information

rebuild information

Start Recon

PET reconstruction setting

framing mode: None framing length acqtime (s): 0

number of iterations: 10 subsets per iteration: 1

FOV diameter: 81 PET reconstruction accuracy: 1.457

start time of ACQ interception: 0 end time of ACQ interception (s): 300

Shielding module: ...

filter core size per sigma: 0 filter core size per subset: 0

filter core size per iteration: 0 Filter core size per iteration: 0

TOR filter_Sigma: 2 TOR filter core size: 5

numerical calibration coefficient: 0.042

☐ Is attenuation correction performed

bed information

Fill in the form. Or, use the default values

Reconstruction: Step 5

Madic

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Home Page Patient Data Acq Data Man Permissi System S System Log Progress

+ Acquisition Editing Import Export from 2026-06-20 to 2026-07-20 Please select Query criteria Seek

	Sele...	patient information	creation time	modification time	FTP Status	scan status	scan type	scan mode	isotope	drug	measured drug dose	residual drug dose	drug dose test time
	☒	20260720002(Li_test2_Na22)	7/20/2026 9:30 ...	7/20/2026 9:30 AM	传输成功	扫描成功	...	PET	F18	...	0	0	7/20/2026 9:28 AM
	☐	20260720001(Na22_test1_2...	7/20/2026 8:10 ...	7/20/2026 8:10 AM	传输成功	扫描成功	...	...	...	...	...	...	7/20/2026 7:59 AM

View Recon

selected information rebuild information

rebuild information

Start Recon

PET reconstruction setting

framing mode: None framing length acqtime (s): 0

number of iterations: 10 subsets per iteration: 1

FOV diameter: 81 PET reconstruction accuracy: 1.457

start time of ACQ interception: 0 end time of ACQ interception (s): 300

Shielding module: ...

filter core size per sigma: 0 filter core size per subset: 0

filter core size per iteration: 0 Filter core size per iteration: 0

TOR filter_Sigma: 2 TOR filter core size: 5

numerical calibration coefficient: 0.042

☐ Is attenuation correction performed

Click "Start Recon"

Reconstruction: Step 6

The screenshot displays the MadicLAB software interface. The top menu bar includes icons for Home Page, Patient, Data Acq, Data Man, Permissi, System S, System Log, and Progress. Below this is a toolbar with buttons for Acquisition, Editing, Import, and Export, along with date filters (from 2026-06-20 to 2026-07-20) and a search bar. A table lists patient information, creation time, modification time, FTP Status, scan status, scan type, scan mode, isotope, drug, measured drug dose, residual drug dose, and drug dose test time. The 'reconstruction progress' section shows a progress bar and a 'Details' link. A 'Tips' window is overlaid on the 'reconstruction progress' section, indicating 'Successfully initiated reconstruction'. A blue arrow points from the text 'Tips window indicating the successful initiation of reconstruction.' to the 'Tips' window.

Scan/Reconstruction progress

scan progress

reconstruction progress

[Details](#) 7/20/2026 9:38:09 AM发起的重建(PET)

Successfully initiated reconstruction

OK

Tips window indicating the successful initiation of reconstruction.

Reconstruction: Step 7

Madic

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Home Page Patient... Data Acq... Data Man... Permissi... System S... System Log Progress...

+ Acquisition Editing Import Export from 2026-06-20 to 2026-07-20 Please select Query criteria Seek

	Sele...	patient information	creation time	modification time	FTP Status	scan status	scan type	scan mode	isotope	drug	measured drug dose	residual drug dose	drug dose test time
	☒	20260720002(Li_test2_Na22)	7/20/2026 9:30 ...	7/20/2026 9:30 AM	传输成功	扫描成功							7/20/2026 9:28 AM
	☐	20260720001(Na22_test1_2...	7/20/2026 8:10 ...	7/20/2026 8:10 AM	传输成功	扫描成功							7/20/2026 7:59 AM

Scan/Reconstruction progress

scan progress

reconstruction progress

[Details](#) PET-生成灵敏度(52%)

Progress window

View Recon

selected information

rebuild information

Start Recon

PET reconstruction setting

mode

iterations

framing length acqtime (s)

subsets per iteration

PET reconstruction accuracy

end time of ACQ interception (s)

filter core size per subset

Filter core size per iteration

TOR filter core size

calibration coefficient

ation correction performed

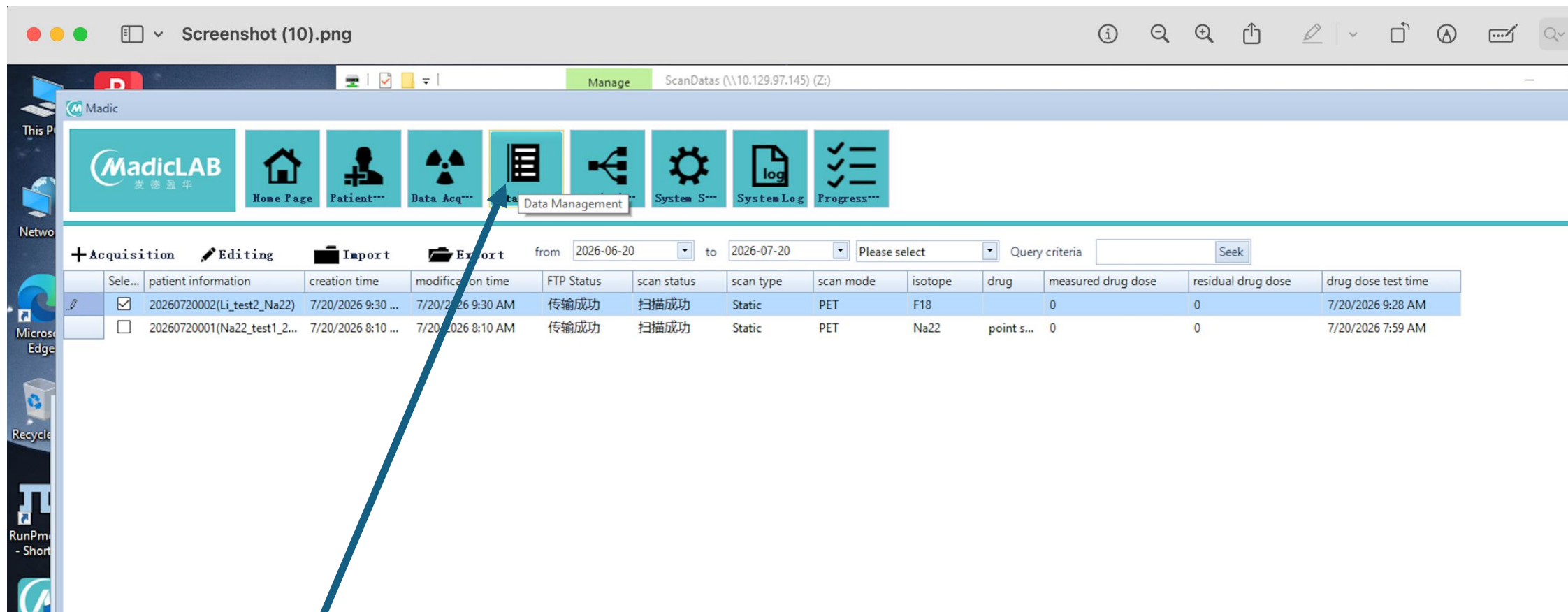
Reconstruction: Step 8

The screenshot shows a Windows File Explorer window titled 'ScanDatas (\\10.129.97.145) (Z:)'. The left sidebar shows the 'Network' section with 'ScanDatas (\\10.129.97.145) (Z:)' selected. The main pane displays a list of files and folders. A blue arrow points from the text 'Check the data file' to the folder 'Scan_202607200930_Li_test2_Na22'. A tooltip is visible over this folder, showing details: Type: File folder, Date modified: 7/20/2026 9:36 AM, Size: 29.8 MB, Folders: PET, Files: DeviceParams.json, ScanInfo.json.

Name	Date modified	Type	Size
Scan_202606181452_Na22_LUT_single_42...	6/18/2026 4:19 PM	TZ File	1,668,230 KB
ACQ&Recon_IP.txt	6/18/2026 8:54 AM	Text Document	1 KB
Scan_202607200930_Li_test2_Na22	7/20/2026 9:36 AM	File folder	
Scan_202607200810_Na22_test1_2026072...		File folder	
tmp		File folder	
Scan_202606181452_Na22_LUT_single_42...		File folder	
Scan_202606181426_Na22_004		File folder	
Scan_202606181358_Na22_003_Singledata	6/18/2026 2:04 PM	File folder	
Scan_202606181351_Na22_003	6/18/2026 1:56 PM	File folder	
Scan_202606180933_Na22_test2	6/18/2026 9:43 AM	File folder	
Scan_202606180923_Na22_test	6/18/2026 9:26 AM	File folder	
Scan_202507020753_Test	7/2/2025 7:58 AM	File folder	
Scan_202411010717_Bob	11/1/2024 7:23 AM	File folder	
Scan_202410250248_Changqing3	10/25/2024 2:59 AM	File folder	
Scan_202410230131_mouse1	10/23/2024 1:46 AM	File folder	
Scan_202410230034_test_Na22	10/23/2024 12:42 AM	File folder	
Scan_202406290922_Na22_test	6/29/2024 9:24 AM	File folder	
Scan_202406290900_test	6/29/2024 9:02 AM	File folder	
Scan_202406290832_test	6/29/2024 8:34 AM	File folder	
Scan_202406281912_Na22_test	6/28/2024 7:14 PM	File folder	
Scan_202406281758_Na22	6/28/2024 6:00 PM	File folder	
Scan_202406281739_Na22	6/28/2024 5:44 PM	File folder	
Scan_202406281727_Na22	6/28/2024 5:30 PM	File folder	
Scan_202406281714_Na22	6/28/2024 5:16 PM	File folder	
Scan_202406281653_Na22	6/28/2024 4:55 PM	File folder	
Scan_202406281637_Na22	6/28/2024 4:40 PM	File folder	

Check the data file

Reconstruction: Step 9



The screenshot shows the MadicLAB software interface. The top menu bar includes icons for Home, Patient, Data Acquisition, Data Management, System Settings, System Log, and Progress. The Data Management icon is highlighted with a blue arrow. Below the menu bar, there is a table with columns for patient information, creation time, modification time, FTP Status, scan status, scan type, scan mode, isotope, drug, measured drug dose, residual drug dose, and drug dose test time. The table contains two rows of data.

	Sele...	patient information	creation time	modification time	FTP Status	scan status	scan type	scan mode	isotope	drug	measured drug dose	residual drug dose	drug dose test time
☒		20260720002(Li_test2_Na22)	7/20/2026 9:30 ...	7/20/2026 9:30 AM	传输成功	扫描成功	Static	PET	F18	0	0	0	7/20/2026 9:28 AM
☐		20260720001(Na22_test1_2...	7/20/2026 8:10 ...	7/20/2026 8:10 AM	传输成功	扫描成功	Static	PET	Na22	point s...	0	0	7/20/2026 7:59 AM

Click “data management”

Reconstruction: Step 10

麦德盈华

Home Page

Patient...

Data Acq...

Data Man...

Permissi...

System S...

System Log

Progress...

Data Management

View ReconstructionInitiate ReconstructionOtherFunction

from 2026-06-20 to 2026-07-20 query criteria Please select

Seek

Reconstruction: Step 11

 Madic

 发德盈华

 Home Page

 Patient...

 Data Acq...

 Data Man...

 Permissi...

 System S...

 System Log

 Progress...

 View Reconstruction Initiate Reconstruction OtherFunctionfrom to query criteria

Select the reconstruction results

Reconstruction: Step 12

MadicLAB
发德盈华

Home Page

Patient***

Data Acq***

Data Man***

Permissi***

System S***

System Log

Progress***

View ReconstructionInitiate ReconstructionOtherFunction

from 2026-06-20 to 2026-07-20 query criteria Please select Seek

Click “View Reconstruction” to see the reconstruction parameters

Reconstruction: Step 13

Madic

MadicLAB
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Home Page

Patient***

Data Acq***

Data Man***

Permissi***

System S***

System Log

Progress***

View Reconstruction

Initiate Reconstruction

OtherFunction

from 2026-06-20 to 2026-07-20 query criteria Please select Seek

	selection	patient information	creation time	reconstruction...	iteration times	isotope	drug	X direction	Y direction	z direction	voxel size
	☒	20260720002(Li test2 Na22)	7/20/2026 9:38 ...	PET	10	Fl					57
	☐	20260720001(Na22 test1 20...	7/20/2026 8:37 ...	PET	10	Na					57
	☐	20260720001(Na22 test1 20...	7/20/2026 8:34 ...	PET	10	Na					57
	☐	20260618006(Na22 004)	6/26/2026 9:16 ...	PET	10	Na					57

View Recon

selected information

All

rebuild information

scan information

patient information

rebuild information

framing mode
None

number of iterations
10

FOV diameter
81

start time of ACQ interception
0

Shielding module

filter core size per sigma
0

filter core size per iteration
0

TOR filter_Sigma
2

numerical calibration coefficient
0.042

☐ Is attenuation correction performed

rebuild information

framing length acqtime (s)
0

subsets per iteration
1

PET reconstruction accuracy
1.457

end time of ACQ interception (s)
300

filter core size per subset
0

Filter core size per iteration
0

TOR filter core size
5

bed information

☐ Bed encircling ☒ IrElinAxic7

Reconstruction: Step 14

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Home Page Patient Data Acq Data Man Permissi System S System Log Progress

View Reconstruction Initiate Reconstruction OtherFunction from 2026-06-20 to 2026-07-20 query criteria Please select Seek

	selection	patient information	creation time	reconstruction...	iteration times	isotope	drug	X direction	Y direction	z direction	voxel size
▶	☒	20260720002(Li test2 Na22)	7/20/2026 9:38 ...	PET	10	F18		55	55	62	1.457
	☐	20260720001(Na22 test1 20...	7/20/2026 8:37 ...	PET	10	Na22	point source	55	55	62	1.457
	☐	20260720001(Na22 test1 20...	7/20/2026 8:34 ...	PET	10	Na22	point source	55	55	62	1.457
	☐	20260618006(Na22 004)	6/26/2026 9:16 ...	PET	10	Na22		55	55	62	1.457

Click "OtherFunction" to export the reconstruction results

Reconstruction: Step 15

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Home Page

Patient***

Data Acq***

Data Man***

Permissi***

System S***

System Log

Progress***

View Reconstruction

Initiate Reconstruction

OtherFunction

from 2026-06-20 to 2026-07-20 query criteria Please select Seek

Export Data

Export as DCM

Export as multi frame DCM

Export as Fusion DCM

Export as multi frame fusion DCM

Rebuild the puzzle

Reconstruction: Step 16

Madic

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Home Page Patient*** Data Acq*** Data Man*** Permissi*** System S*** System Log Progress***

View Reconstruction Initiate Reconstruction OtherFunction from 2026-06-20 to 2026-07-20 query criteria Please select Seek

	selection	patient information	creation time	reconstructio...	iteration times	isotope	drug	X direction	Y direction	z direction	voxel size
	☒	20260720002(Li test2 Na22)	7/20/2026 9:38 ...	PET	10	F18		55	55	62	1.457
	☐	20260720001(Na22 test1 20...	7/20/2026 8:37 ...	PET	10	Na22	point source	55	55	62	1.457
	☐	20260720001(Na22 test1 20...	7/20/2026 8:34 ...	PET	10	Na22		55	55	62	1.457
	☐	20260618006(Na22_004)	6/26/2026 9:16 ...	PET	10						1.457

选择PET重建结果

分帧范围	迭代数	子集数
分帧范围: 0.0-300.0	迭代次数: 10	子集个数: 1
☐ 是否统一尺寸		
添加 全选 删除 确定		

Select this one "Add"

Reconstruction: Step 18

from 2026-06-20 to 2026-07-20 query criteria Please select Seek

	isotope	drug	X direction	Y direction	z direction
	F18		55	55	62
	Na22	point source	55	55	62

选择PET重建结果

	分帧范围	迭代数	子集数
▶	0.0-300.0	10	1

分帧范围: 0.0-300.0
迭代次数: 10
子集个数: 1

☐ 是否统一尺寸

添加 全选 删除 确定

Select this one "Confirm"

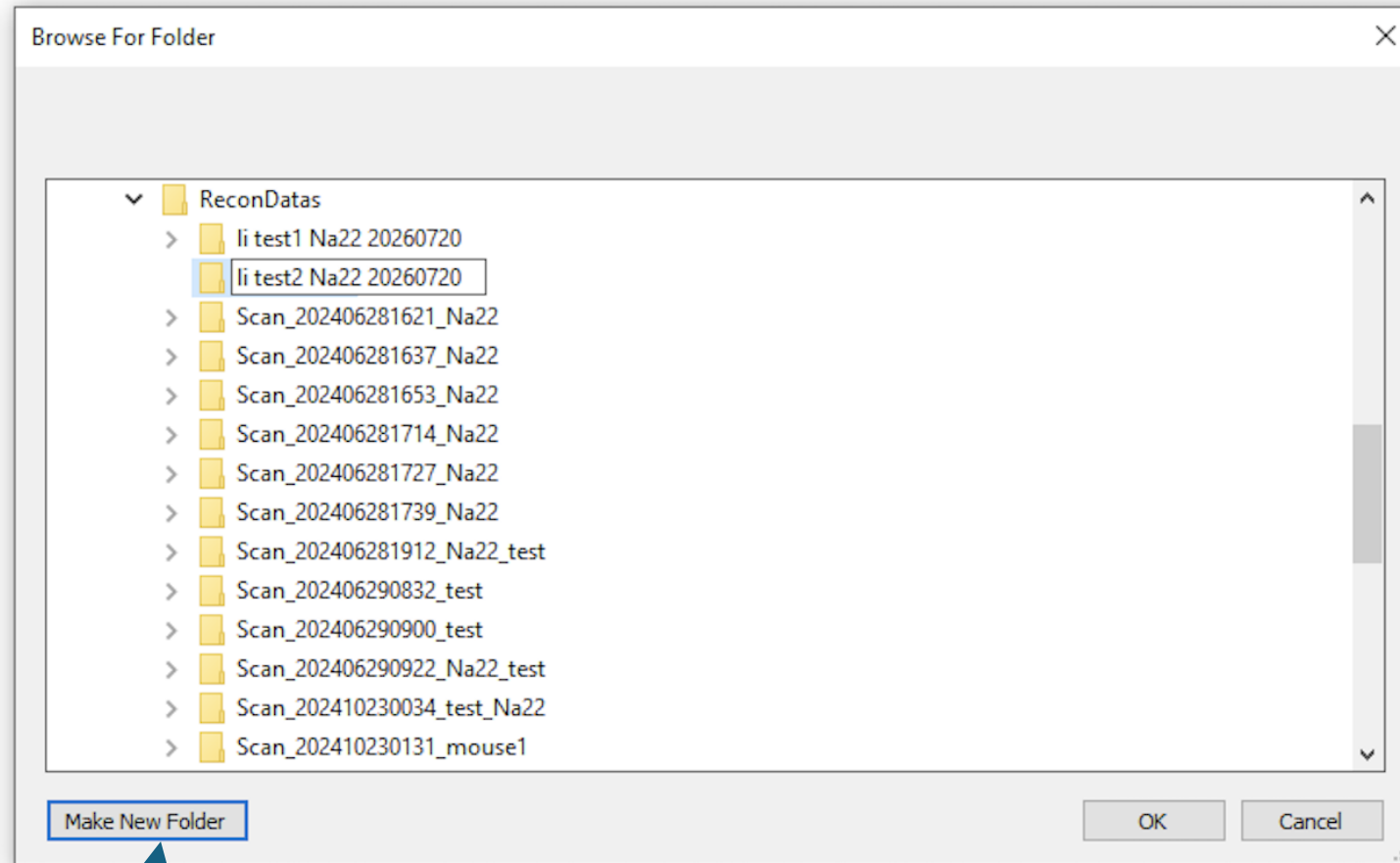
Reconstruction: Step 19

55

55

62

1.457



Select or create a folder

Reconstruction: Step 19

Madic

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Home Page

Patient...

Data Acq...

Data Man...

Permissi...

System S...

System Log

Progress...

View Reconstruction

Initiate Reconstruction

OtherFunction

from 2026-06-20 to 2026-07-20 query criteria Please select Seek

	selection	patient information	creation time	reconstructio...	iteration times	isotope	drug	X direction	Y direction	z direction	voxel size
	☒	20260720002(Li test2 Na22)	7/20/2026 9:38 ...	PET	10	F18		55	55	62	1.457
	☐	20260720001(Na22 test1 20...	7/20/2026 8:37 ...	PET	10	Na22	point source	55	55	62	1.457
	☐	20260720001(Na22 test1 20...	7/20/2026 8:34 ...	PET	10	Na22	point source	55	55	62	1.457
	☐	20260618006(Na22 004)	6/26/2026 9:16 ...	PET	10	Na22		55	55	62	1.457

Tips

i

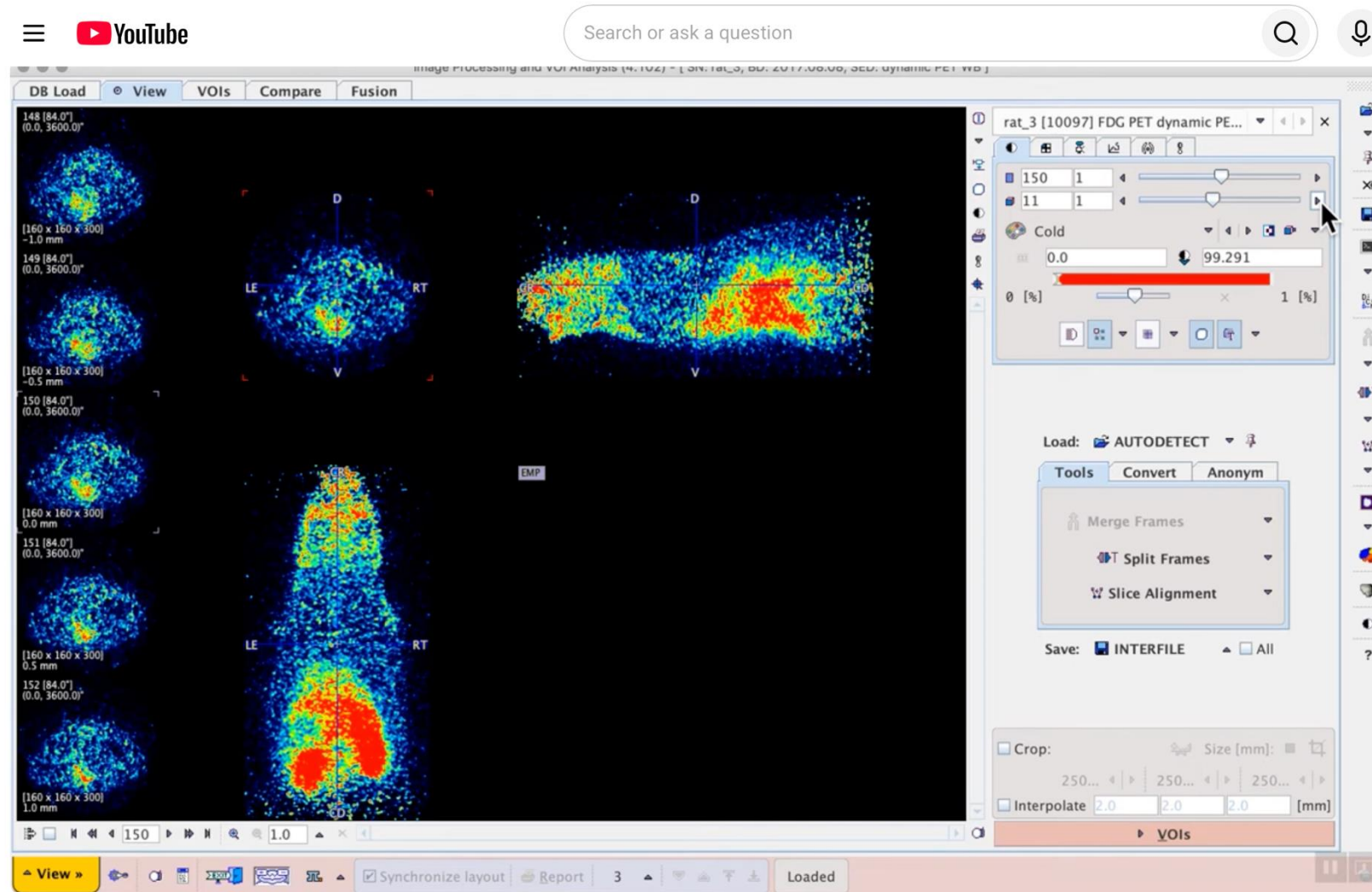
Export complete

OK

Exporting, please wait a moment

Completed.

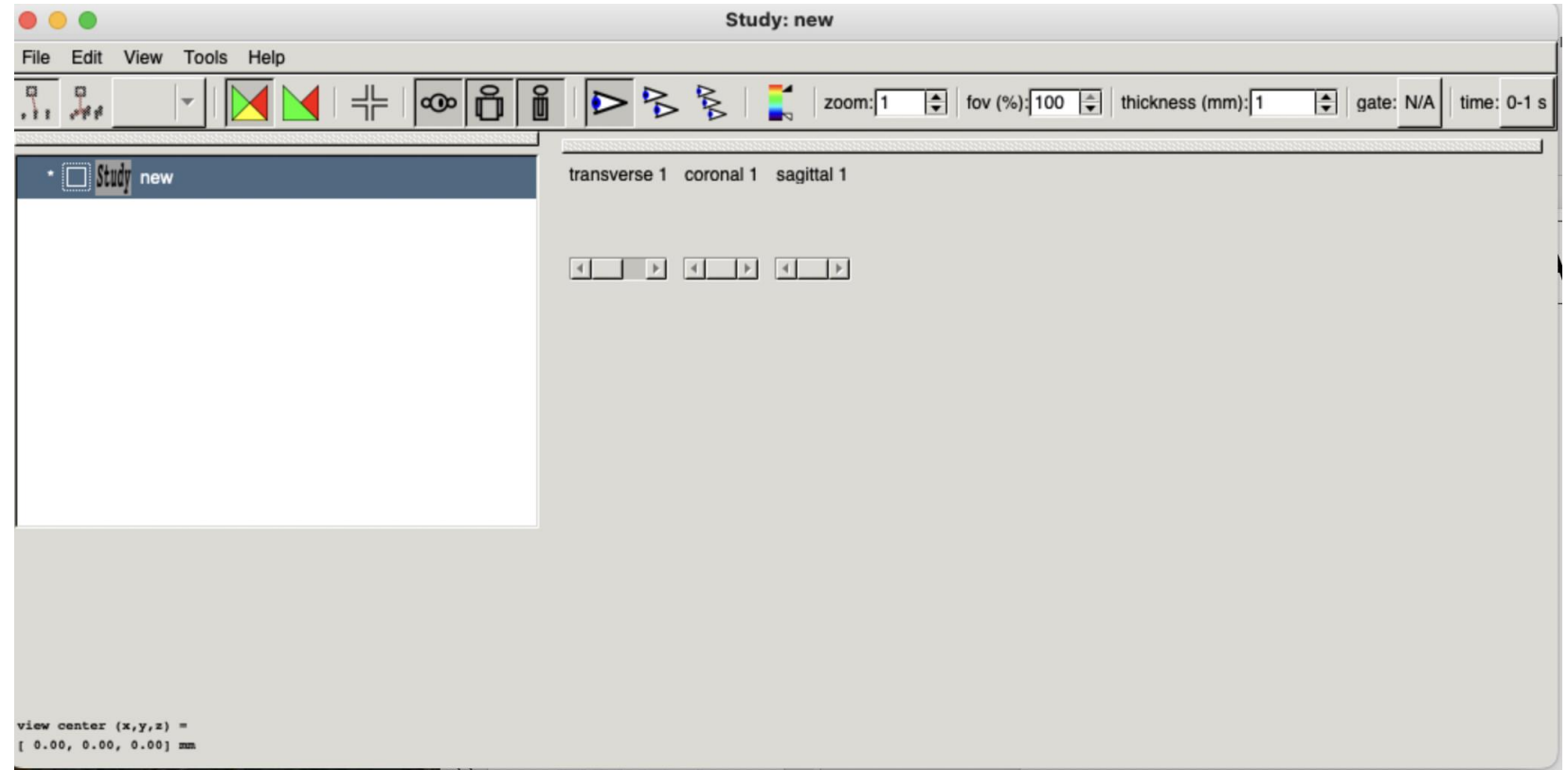
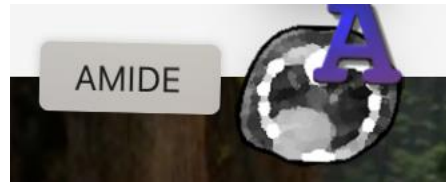
View and Analyze Results: Youtube video for pMOD software



S1E7 Image processing and VOI analysis

<https://www.youtube.com/watch?v=5ieONoq5FnE&t=618s>

View and Analyze Results: Amide software (free)

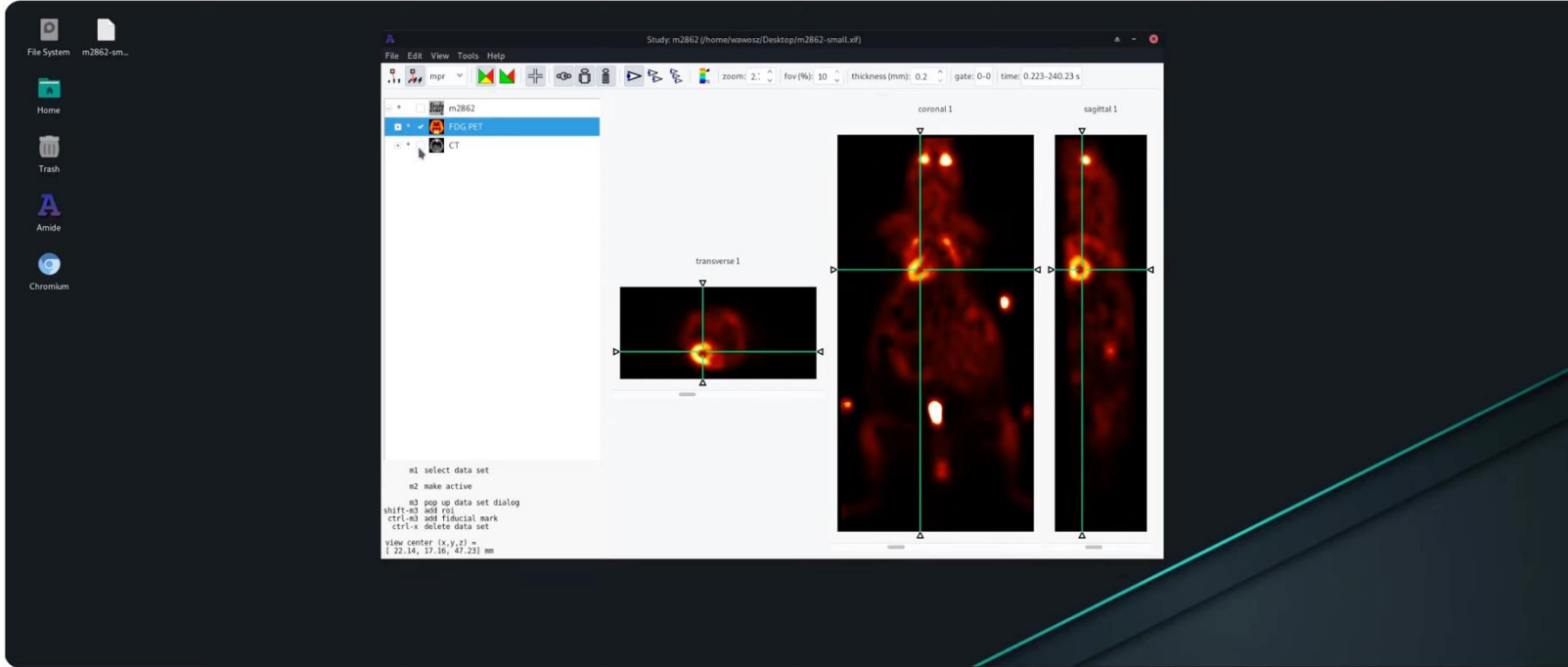


<https://www.youtube.com/watch?v=5ieONoq5FnE&t=618s>

View and Analyze Results: Amide software (free)

YouTube

amide software



The screenshot shows the Amide software interface within a web browser. The browser's address bar displays 'amide software'. The software window, titled 'Study: m2862 (/home/waworzi/Desktop/m2862-small.ef)', features a menu bar (File, Edit, View, Tools, Help) and a toolbar. On the left, a file tree lists 'm2862', 'FDG PET', and 'CT'. The main display area contains three orthogonal PET/CT slices: 'coronal 1', 'sagittal 1', and 'transverse 1'. The PET data is shown as red/orange hotspots on a black background, while the CT data is a grayscale anatomical scan. A status bar at the bottom left lists keyboard shortcuts: 'm1 select data set', 'm2 make active', 'm3 pop up data set dialog', 'shift-m3 add roi', 'ctrl-m3 add fiducial mark', 'ctrl-x delete data set', and 'view center (x,y,z) = [22.14, 17.16, 47.23] mm'. The video player interface includes a title 'Amide ROI Tutorial', a channel name 'Wawrzyniec Dobrucki' with 35 subscribers, a 'Subscribe' button, and engagement icons for likes (32), dislikes, share, ask, save, and a menu.

Amide ROI Tutorial

Wawrzyniec Dobrucki
35 subscribers

Subscribe

32 Dislike Share Ask Save ...

https://www.youtube.com/watch?v=232GVMj5_D4