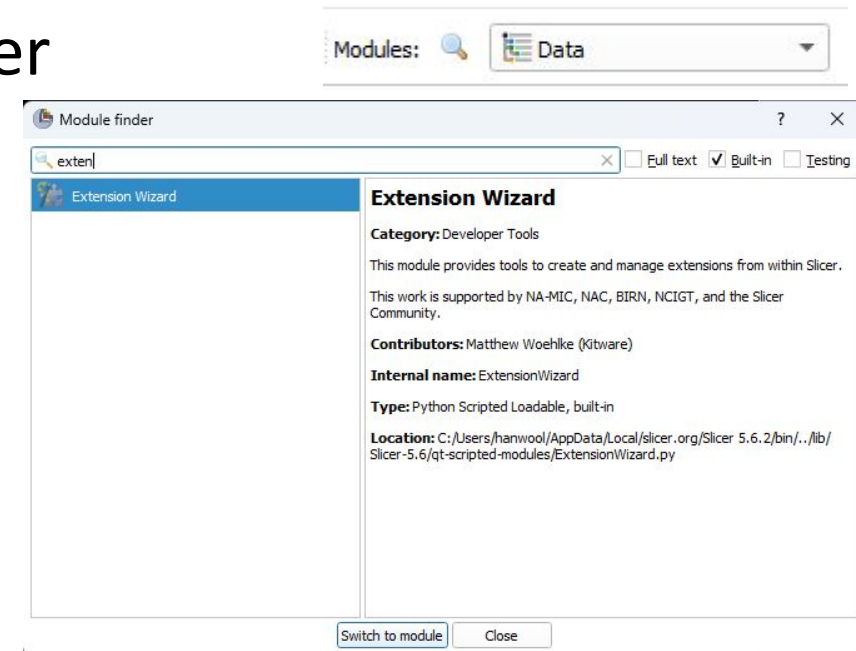


ImplantVideo Tutorial

How to import ImplantVideo Module

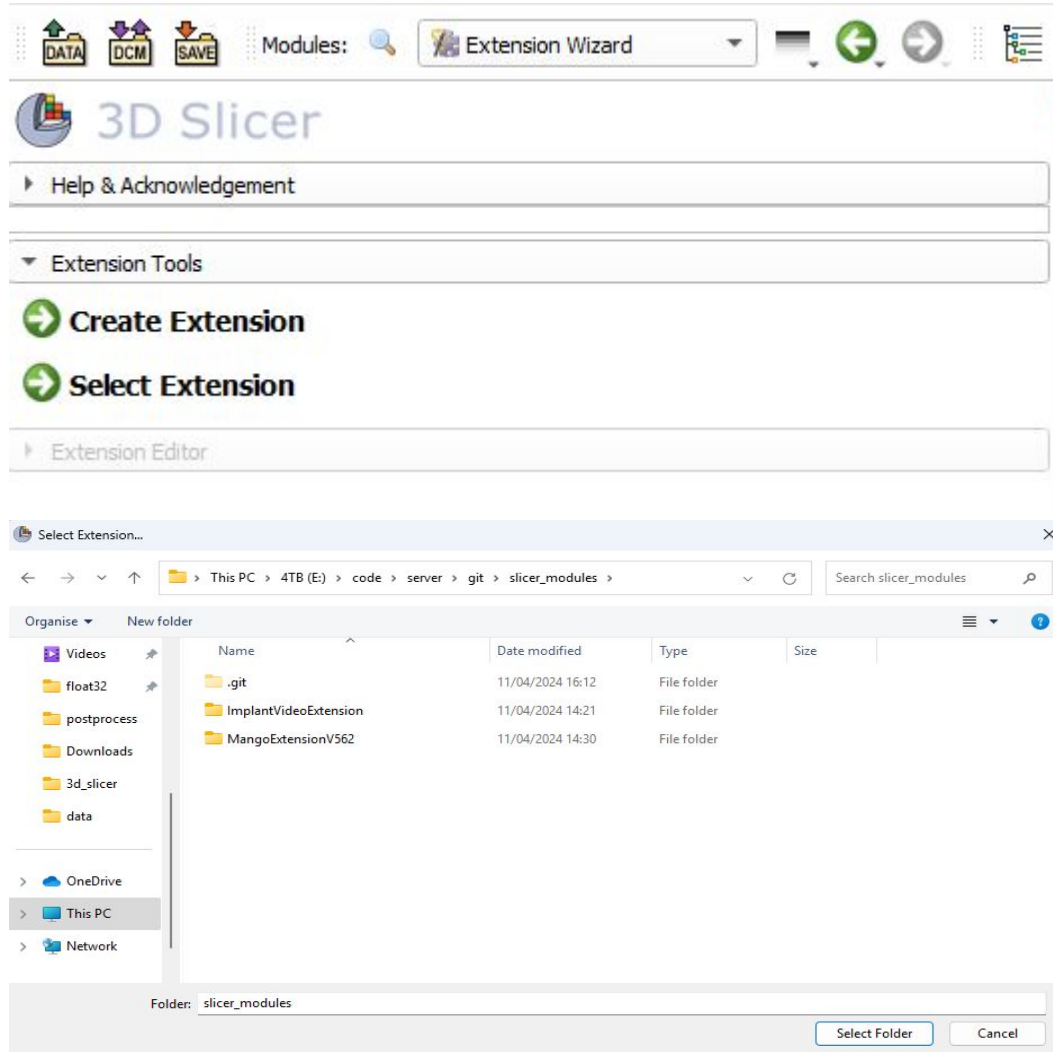
1. Download ImplantVideoExtension folder
 - You can use ImplantVideoExtension folder in the same folder with this tutorial.
2. Open Slicer
3. Find Extension Wizard Module in Module finder



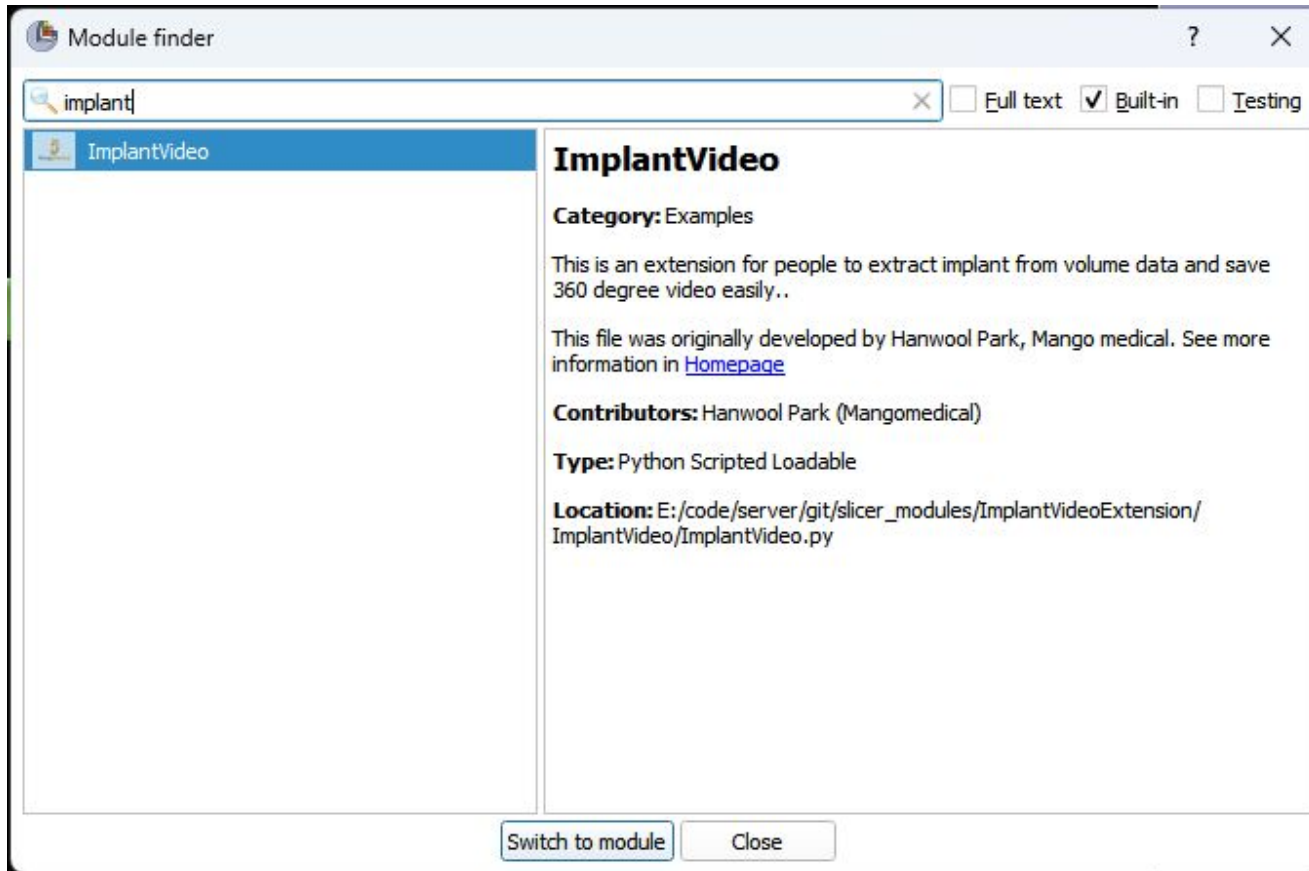
How to import ImplantVideo Module

4. Click “Select Extension” button

5. Select “ImplantVideoExtension” folder.

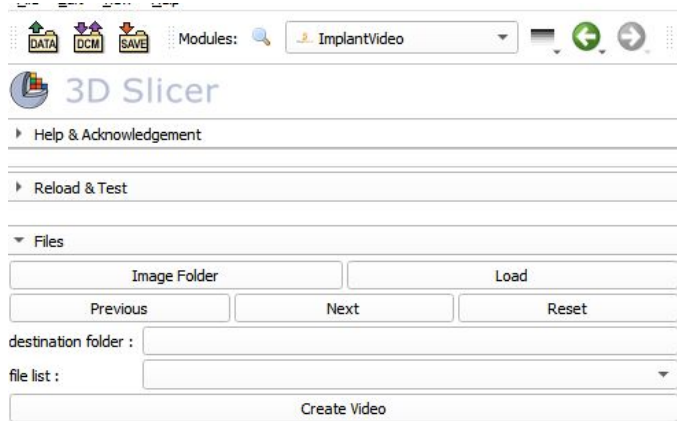


How to import ImplantVideo Module



6. Go to Module finder and search “ImplantVideo” module

How to import ImplantVideo Module



8. If you can see this module, you succeed to import this module

Menu

▼ Files

Image Folder Load

Previous Next Reset

destination folder :

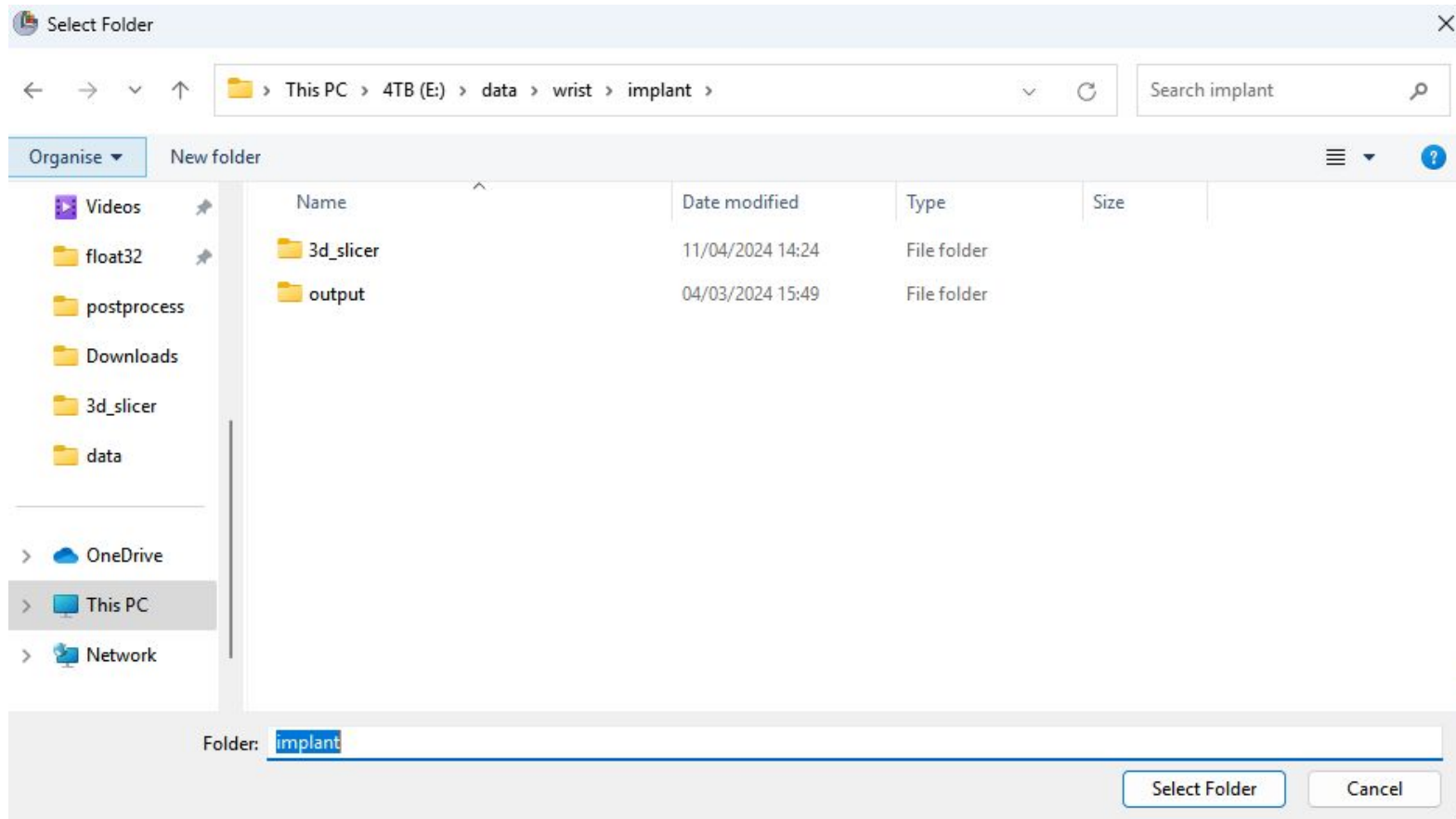
file list :

Create Video

- **Files:**

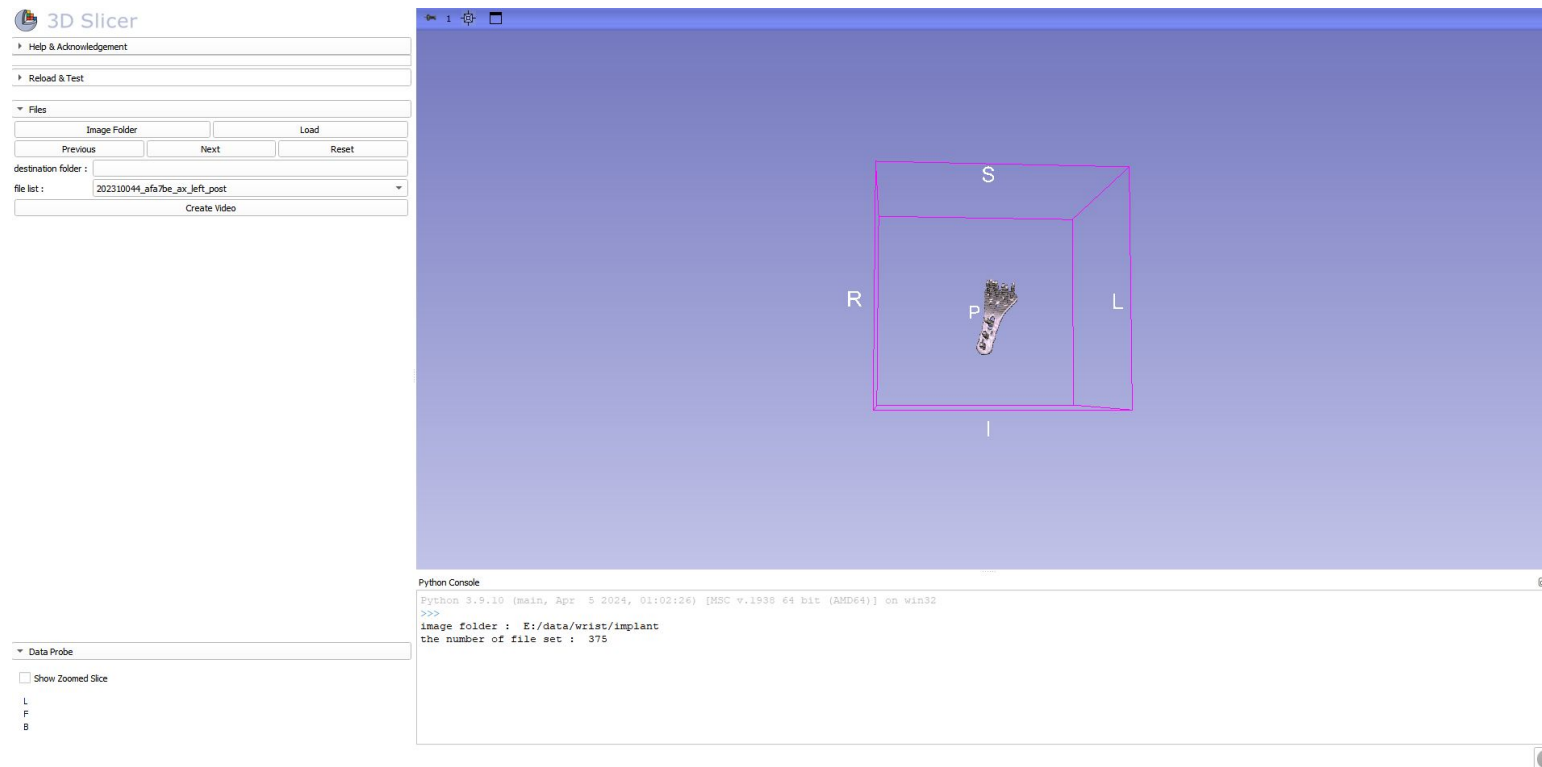
- **Image Folder :**
 - choose the folder includes volume data with implant
- **Load :**
 - after choose image folder, we can load file in slicer
- **Previous :**
 - move previous file
- **Next :**
 - move next file
- **Reset :**
 - reset all setup this module
- **Destination folder :**
 - choose destination folder to save extracted implant 360 degree rotation video
- **File list :**
 - after you load files, you can see file list in combo box and you can click specific file.
- **Create Video:**
 - extract Implant and save them into 360 degree rotation video.

How to use



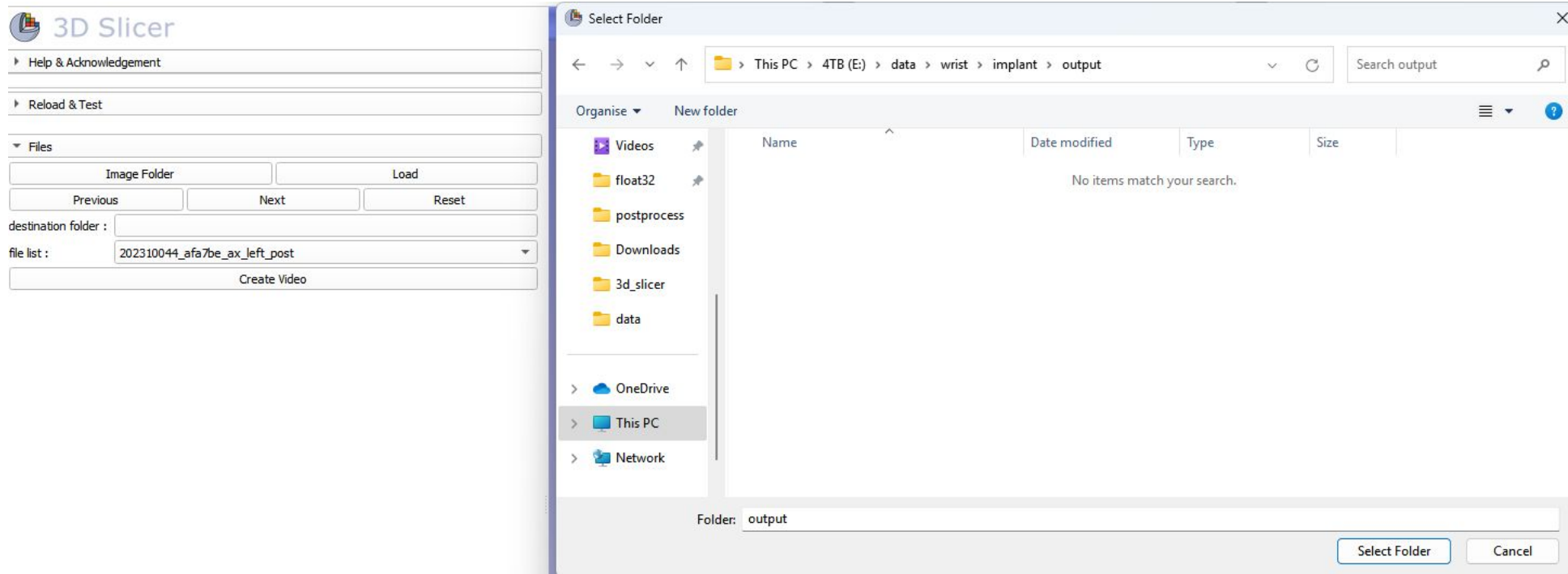
Click Image folder and
choose folder includes
volume data with implant

How to use



Click Load button. You can see how many files are found in Python Interactor and extracted implant in 3D view

How to use



To save 360 degree rotation videos, you need to choose destination folder.

How to use

▼ Files

Image Folder

Load

Previous

Next

Reset

destination folder :


E:/data/wrist/implant/output

file list :

202310044_afa7be_ax_left_post

Create Video

You can click “Create Video” to save video.

 202310044_afa7be_ax_left_post.mp4

Python Console

```
t: 91%|##### | 326/360 [00:07<00:00, 45.58it/s, now=None]
t: 92%|#####1| 331/360 [00:07<00:00, 44.80it/s, now=None]
t: 93%|#####3| 336/360 [00:07<00:00, 45.02it/s, now=None]
t: 95%|#####4| 341/360 [00:07<00:00, 43.55it/s, now=None]
t: 96%|#####6| 346/360 [00:08<00:00, 42.01it/s, now=None]
t: 98%|#####7| 351/360 [00:08<00:00, 39.57it/s, now=None]
t: 99%|#####8| 356/360 [00:08<00:00, 41.37it/s, now=None]
```

Moviepy - Done !

Moviepy - video ready E:/data/wrist/implant/output\202310044_afa7be_ax_left_post.mp4
created video. E:/data/wrist/implant/output\202310044_afa7be_ax_left_post.mp4

You can check save video into destination folder and status in Python console.

Notes

- Build Slicer version : 5.6.2
- OS : Windows, Linux (I don't know it works in MacOS)
- If you have any problem, please write email to hanwool@mangomedical.io