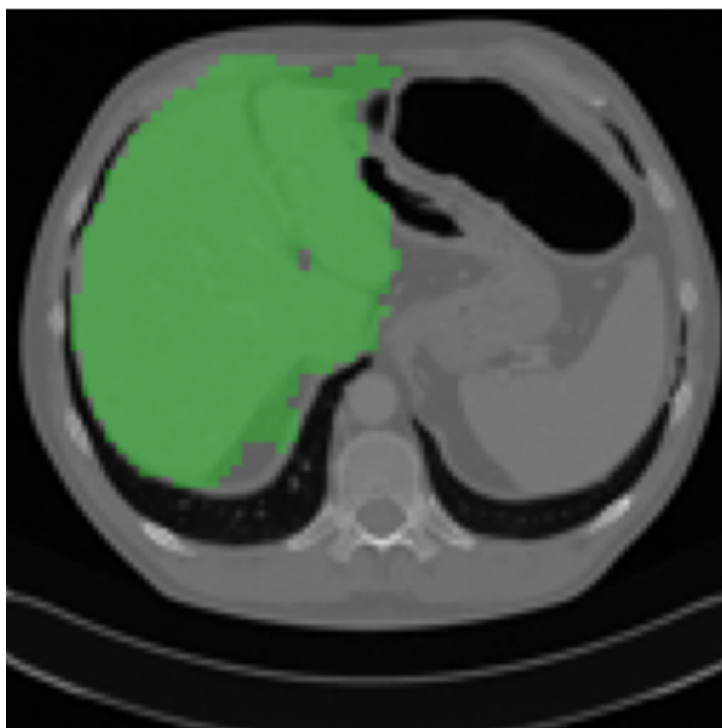


Tumor Annotation Tool Guide

Not just a project—this is a *movement* in the world of medicine



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1. Overview

This handbook explains how to transform liver masks into clinically valuable data by adding your tumour outlines. All editing happens inside the user-friendly *LabelMe* interface with minimal tech expertise needed.

- Review the pre-segmented liver masks from your given dataset.
- Draw tumour polygons using simple mouse clicks based on your judgment.
- Save and export your work in JSON format.
- Return the completed dataset to the research team.

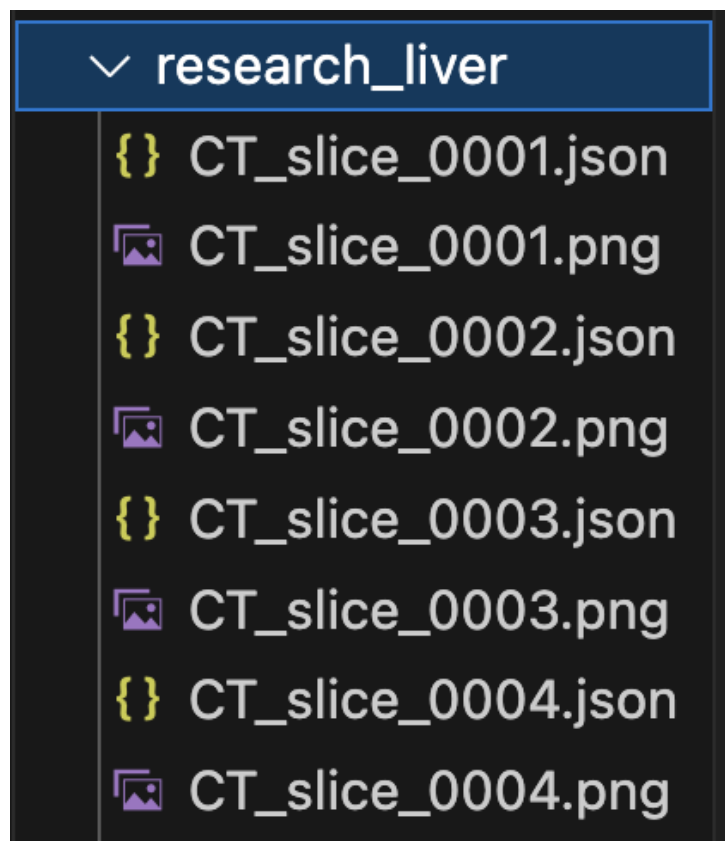
Folder name for data: `research_liver`

File pattern: one PNG slice *plus* its liver JSON (e.g. `slice_000.png` and `slice_000_liver.json`).

2. Folder Structure

Your directory should look like this:

```
research_liver/  
  slice_000.png          # CT slice image  
  slice_000_liver.json   # AI-generated liver contour  
  slice_001.png  
  slice_001_liver.json  
  ... (more pairs)
```



3. Set-up

3.1. Install LabelMe

Option A—pre-installed app

Open the LabelMe shortcut and proceed.

Option B—install via Python

Run:

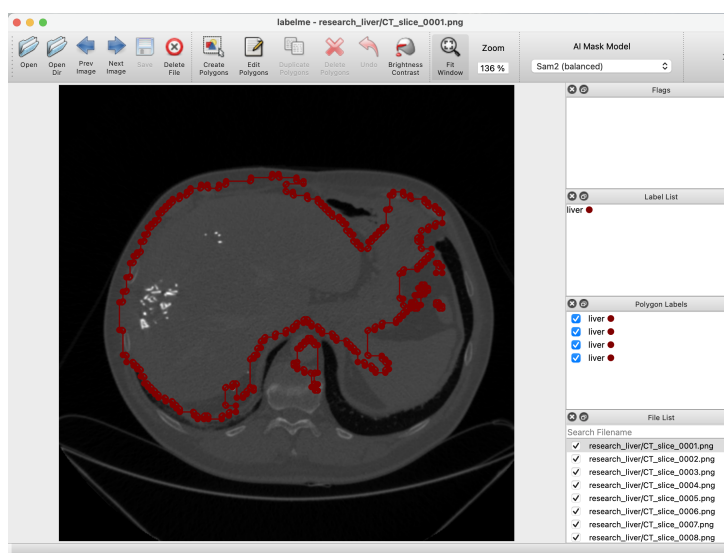
```
pip install labelme
```

4. Starting LabelMe with Dataset

From a terminal, run:

```
labelme research_liver
```

This starts LabelMe with the first slice displayed and its liver outlined in green and gives all required tools to annotate.



5. Annotating Tumours

1. Select the **Polygon** tool (star-shaped icon).
2. Trace the tumour boundary; close the shape by clicking the first point.
3. Enter the label **tumor** when prompted, then press **Enter**.
4. Press **Ctrl+S** to save the slice.

*If a slice shows no tumour, label it as **none**.*

6. Compiling Results

1. Verify that each slice has an updated JSON file.
2. Compress the entire `research_liver` folder (right-click → **Compress**).
3. Upload the zip via your desired form of communication.

7. FAQ & Troubleshooting

Issue	Quick Fix
Liver outline missing	Ensure the JSON file is in the same folder and shares the base name; press Ctrl+R .
Mistake while drawing	Select the shape in the left panel and press Delete .
LabelMe fails to start	Run <code>labelme --reset-config</code> or reinstall via <code>pip install --upgrade labelme</code> .

8. Need Help?

Email: support@example.org

Phone: +92 312 000 0000

Thank You!

Your expertise transforms raw scans into training data that can save lives. Together, we are advancing medical imaging in Pakistan and beyond.

Let's make cancer detection faster and better—together.