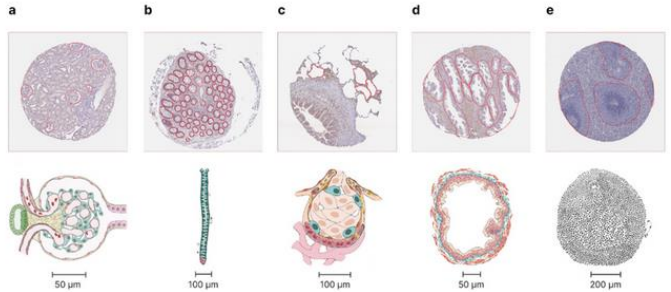
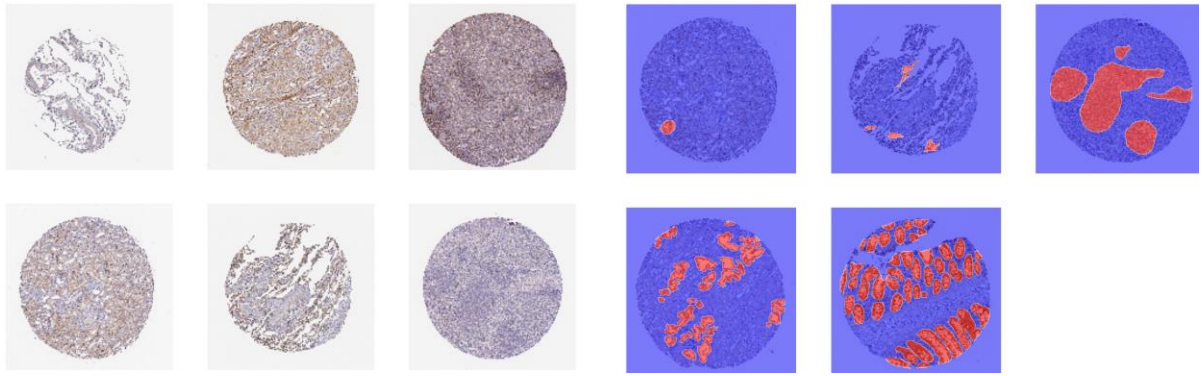
Atlas AI – Architecture (Image processing)

- **glomeruli** in the **kidney** – (a)
- **crypt** in the **large intestine** – (b)
- **alveolus** in the **lung** – (c)
- **glandular acinus** in the **prostate** – (d)
- **white pulp** in the **spleen** – (e)



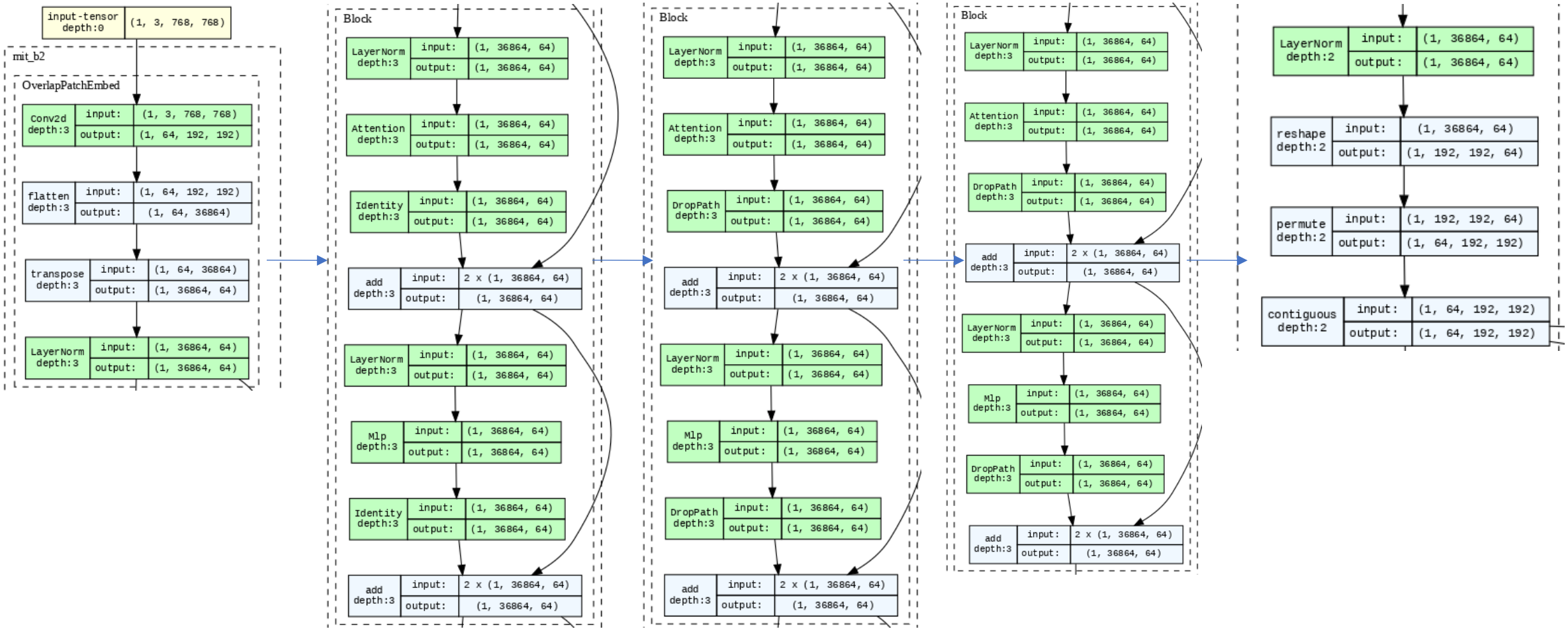


Transformation

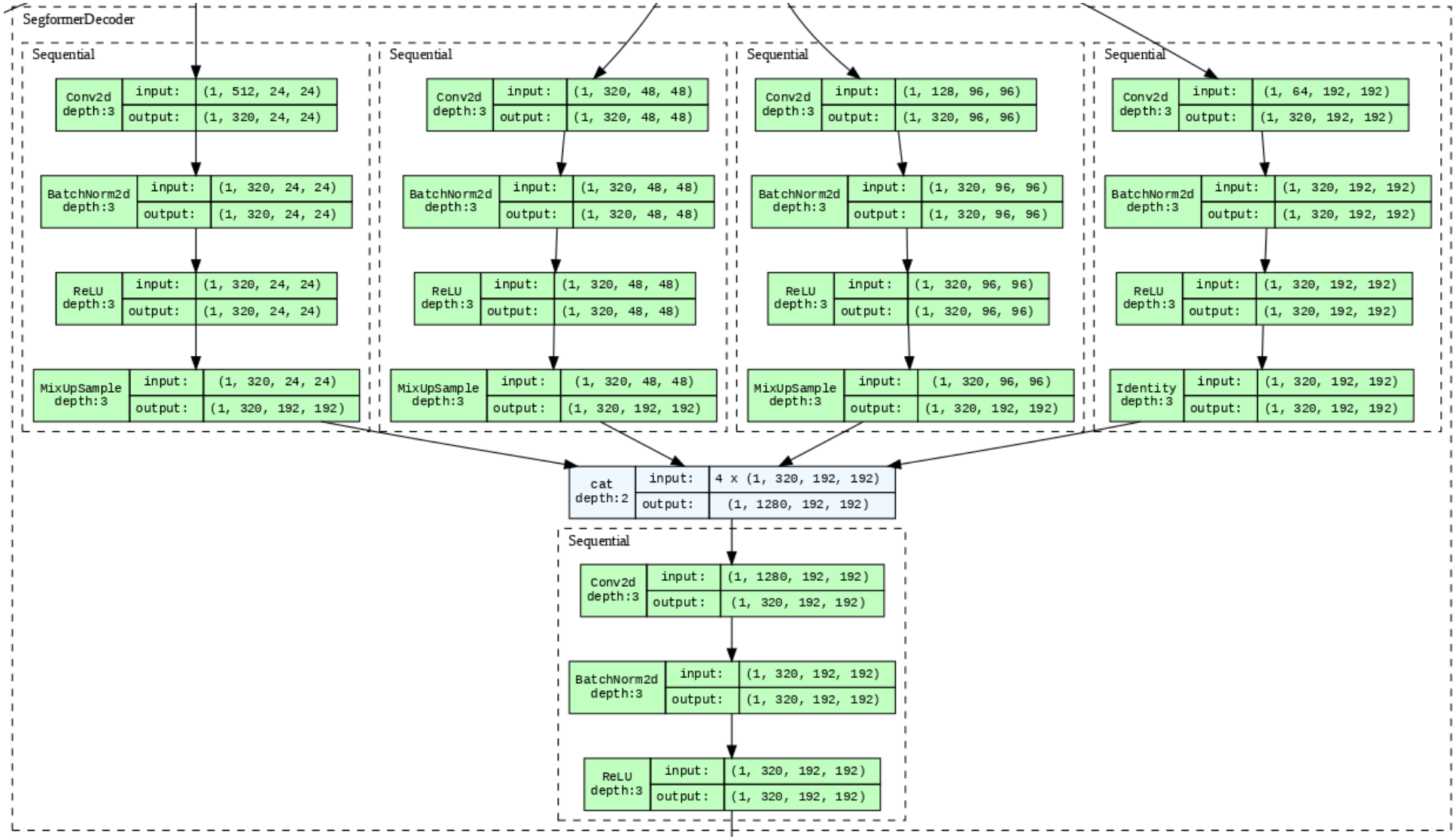
- Horizontal flip
- Random rotation 90°
- Shift scale rotation
- Hue saturation
- Random brightness contrast
- Color jitter
- Image compression
- Resizing
- Center cropping
- Normalization

Atlas AI – Architecture (Overlap patch embed)

This process is repeated 4 times and returns as a result 4 tensors that will be input to the Segmentation Former Encoder



Atlas AI – Architecture (Segmentation Former Encoder)



Atlas AI – Architecture (Output)

The result returned by the model is a binary mask that segments multi-organ functional tissue units.