# S3 Appendix

Inpainting

The image inpainting algorithm proposed by Telea et. al. [1] is publicly available in OpenCV [2]. The fiducial marker centroid is used as the center point of the region where the inpainting is applied. A square area of 30 by 30 pixels is removed of the axial slices. The region is removed for a total of three slices around the marker. S2 Fig depicts the inpainting of a patient. We used a square area instead of another shape (for instance, a circle) because typical inpainting algorihtms are designed to work with bounding boxes (rectangles).
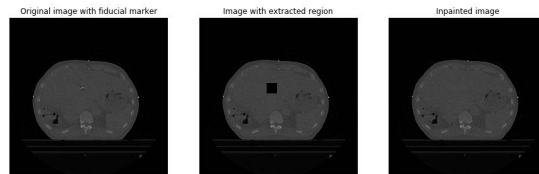
S2 Fig. **Example of image inpainting in one axial slice.** The inpainted area is a square of 30 pixels around the fiducial marker centroid.

References

1. Telea A. An image inpainting technique based on the fast marching method. Journal of graphics tools. 2004;9(1):23–34.

2. OpenCV. Open Source Computer Vision Library; 2021. Web Page: https://opencv.org/.