Our model was trained on 40 slices of one patient and produces a complete projection from a single slice (55% less than NERF).

This reconstruction from a single slice provides a faster and less expensive approach to 3D reconstruction since it eliminates the need for multiple input and camera poses for training NERF.

Complete 3D visualization of the internal structure of the brain leads to faster diagnosis of related diseases.

- Peak Signal-to-Noise Ratio (PSNR) 25.01
- Structural Similarity Index Measure (SSIM) 0.87
- VIDEO RESULT

This project was carried out at the African Institute for Mathematical Sciences in Collaboration with Sano Centre for Computational Medicine.