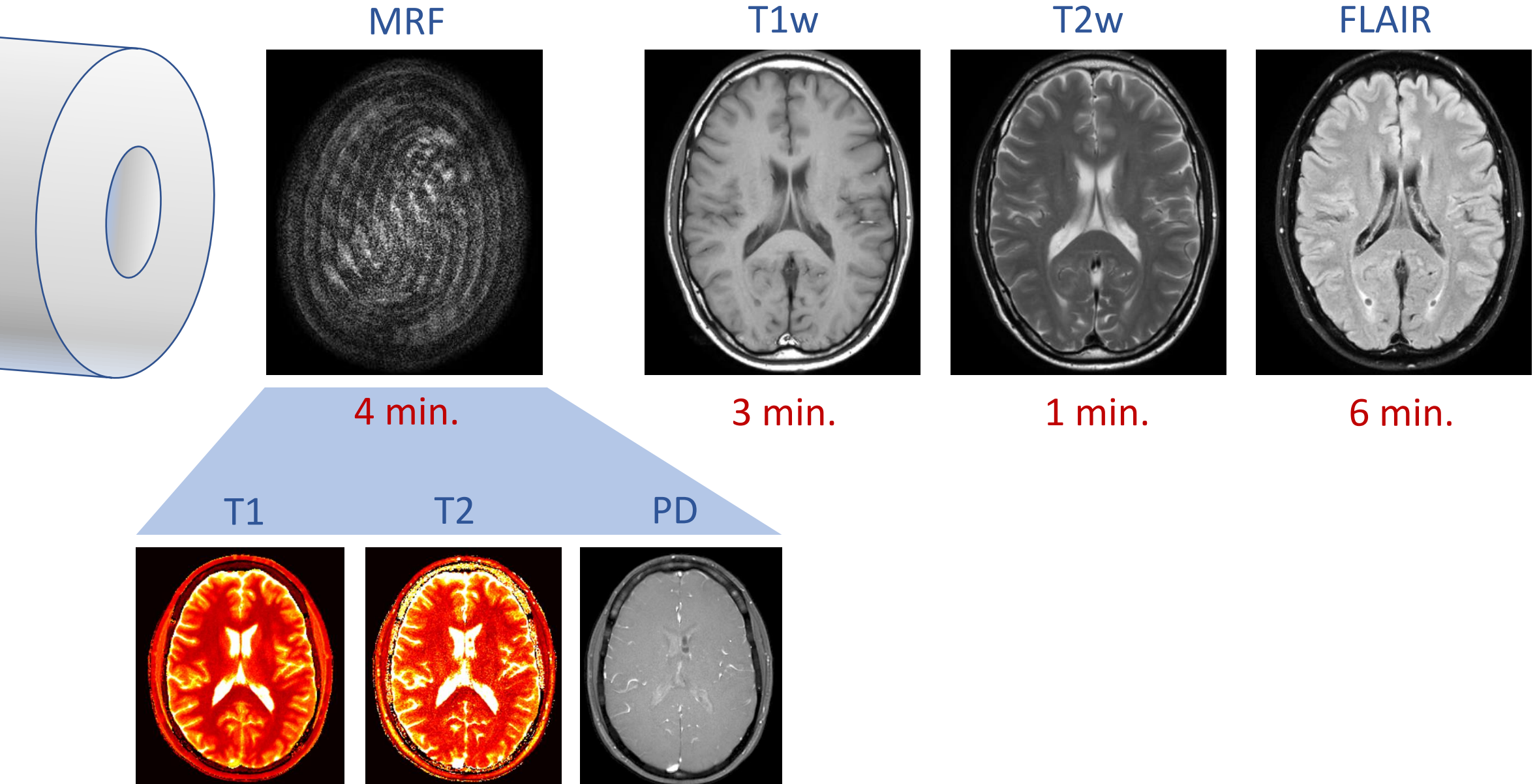
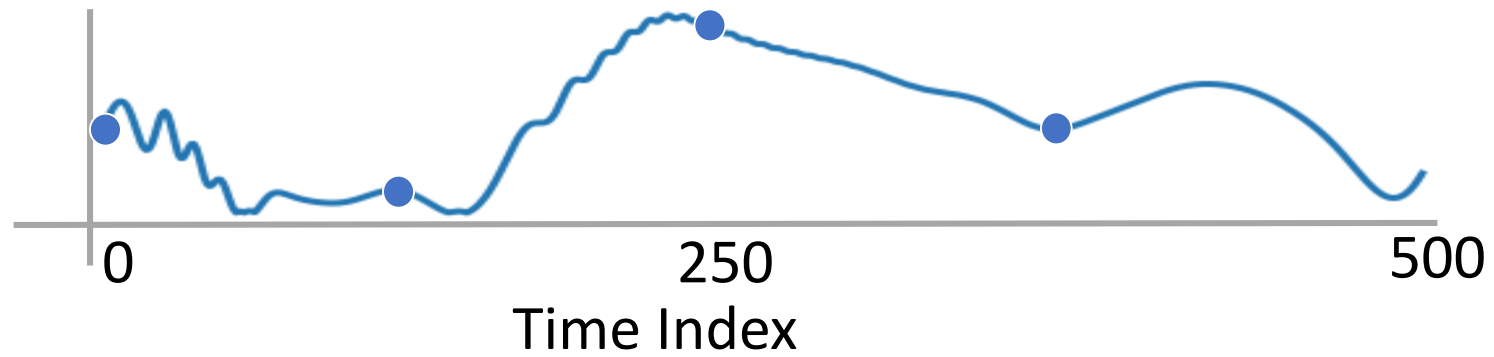
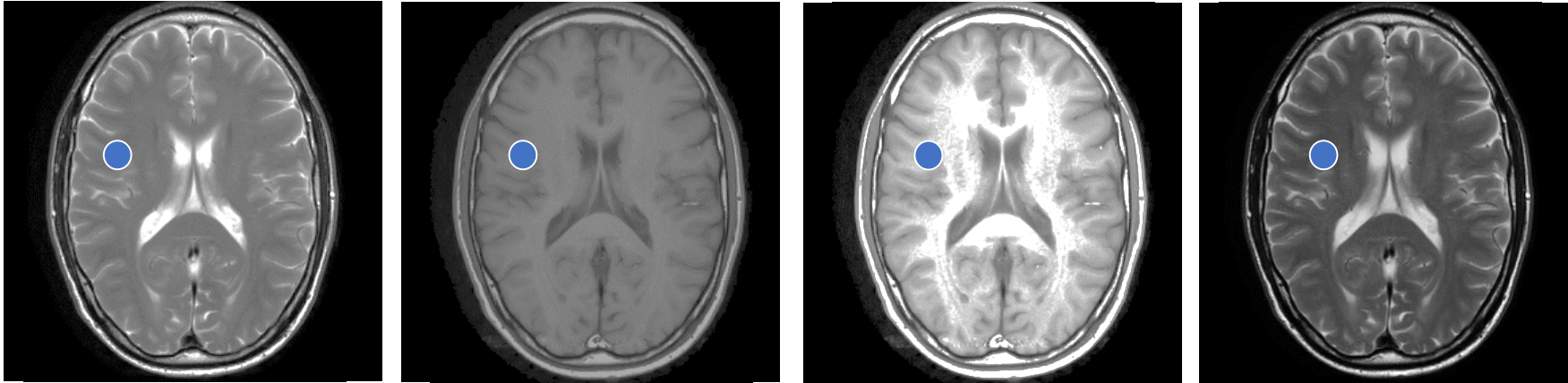


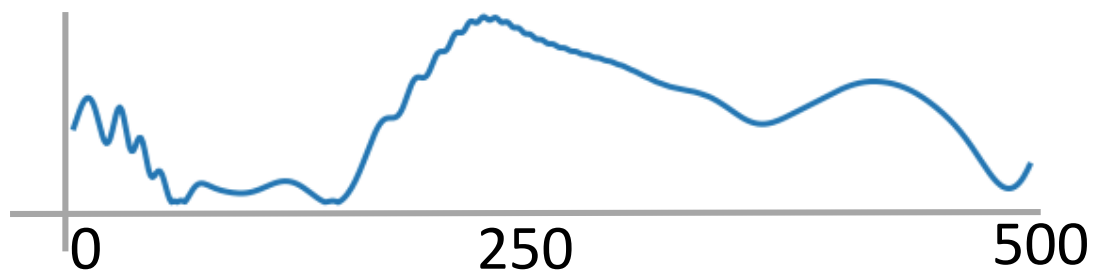
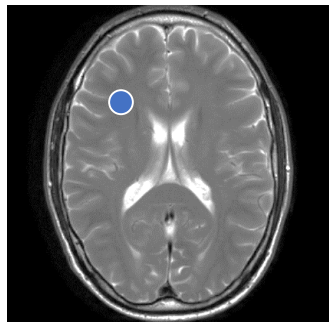
MR Fingerprinting and Contrast-weighted Images



MR Fingerprinting



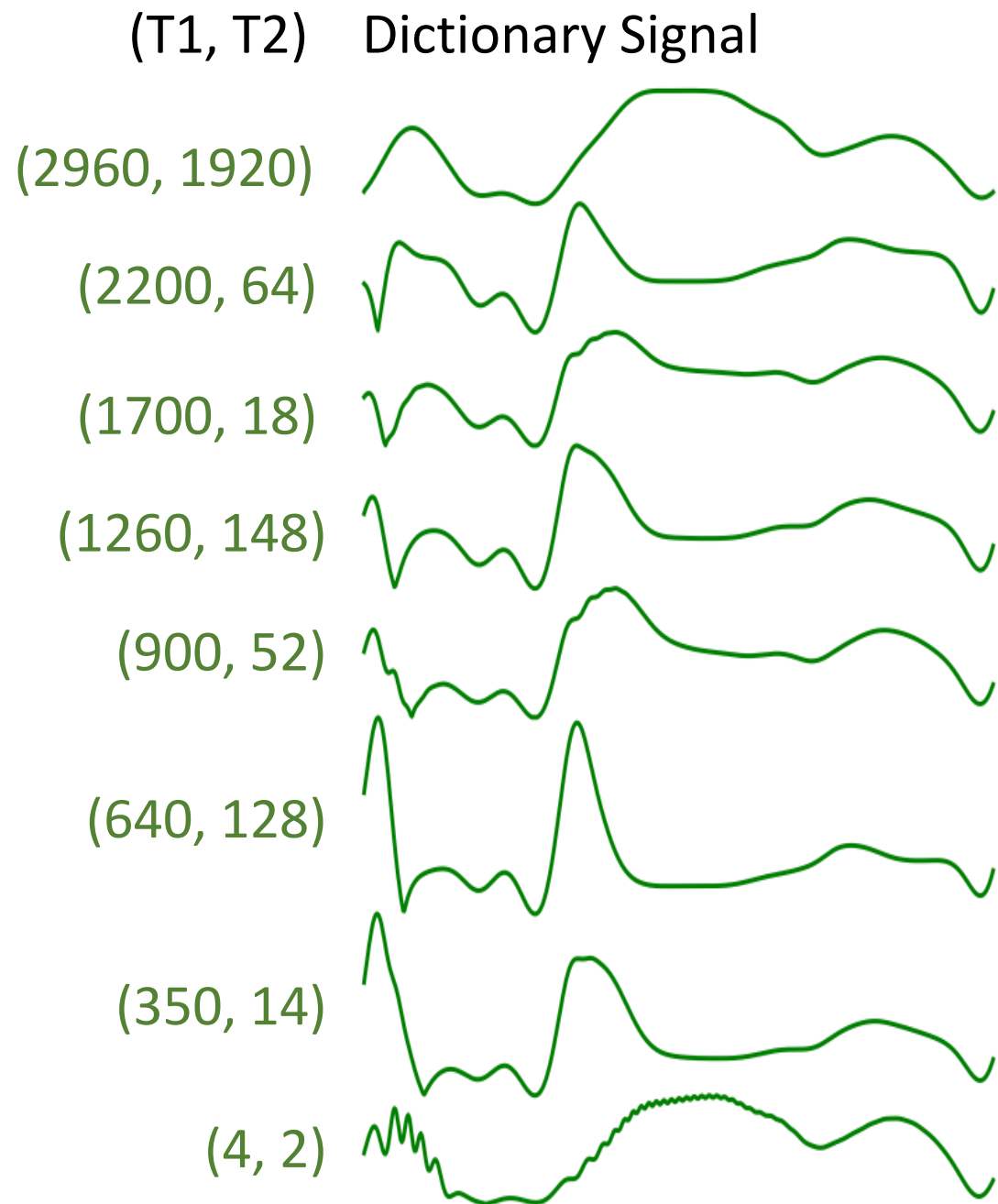
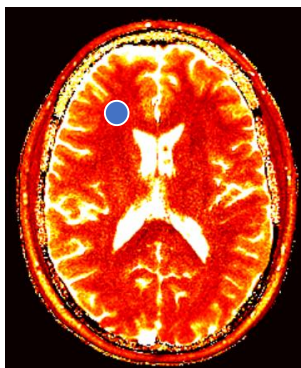
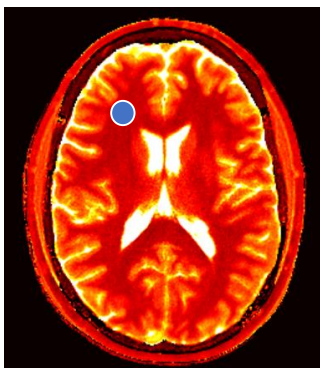
MR Fingerprinting



T1

T2

T1, T2 = (900, 52)



MR Fingerprinting

- Ma, Dan, et al. "Magnetic Resonance Fingerprinting." *Nature* 495.7440 (2013): 187-192.
- Virtue, Patrick, X. Yu Stella, and Michael Lustig. "Better than real: Complex-valued neural nets for MRI fingerprinting." *2017 IEEE International Conference on Image Processing (ICIP)*. IEEE, 2017.

MRI Noise

- Macovski, Albert. "Noise in MRI." *Magnetic Resonance in Medicine* 36.3 (1996): 494-497.