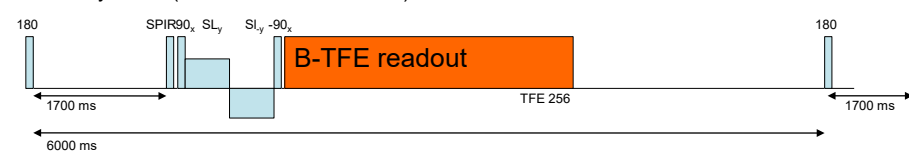


T1rho Sequences Come in Several Forms, in general Tr-weighted

acquisitions have a

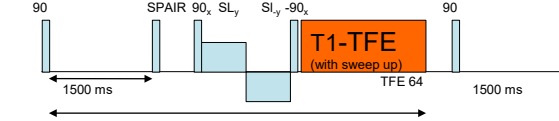
T1rho preparation before a base sequence

- Witschey et. al. (used in the ACRIN trials)



1. Witschey WR, et al., T1rho-prepared balanced gradient echo for rapid 3D T1rho MRI. J Magn Reson Imaging. 2008;28:744-54.

- Li et. al. (also known as MAPPS)



2. Li X, et al. In vivo T1rho mapping in cartilage using 3D magnetization-prepared angle-modulated partitioned k-space spoiled gradient echo snapshots (3D MAPSS) Magn Reson Med. 2008;59:298-307.

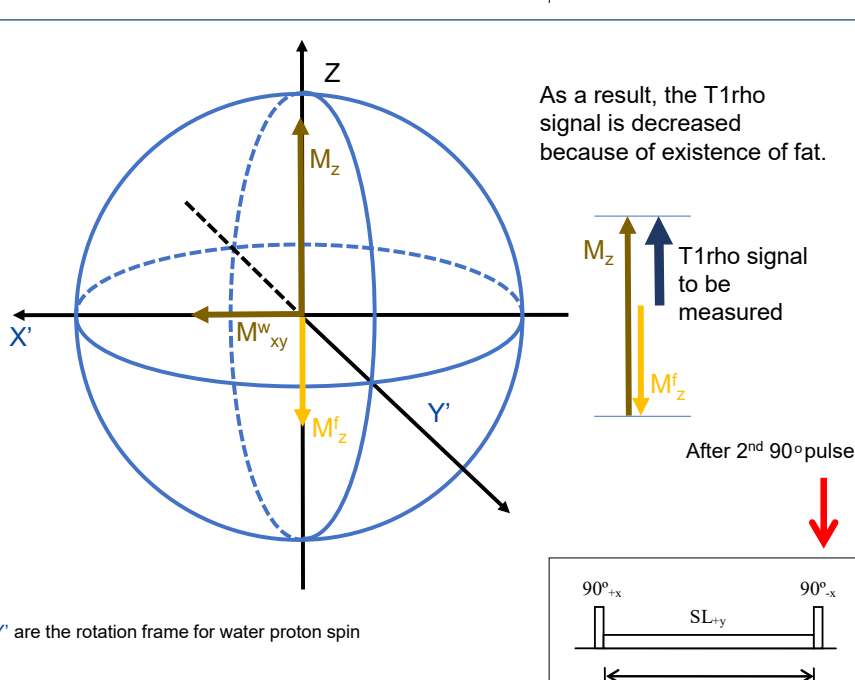
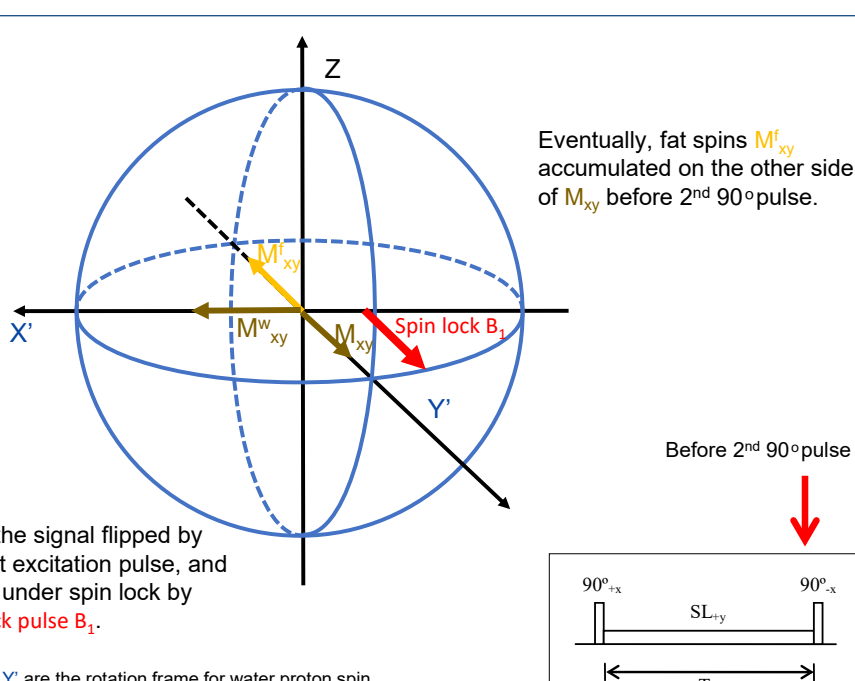
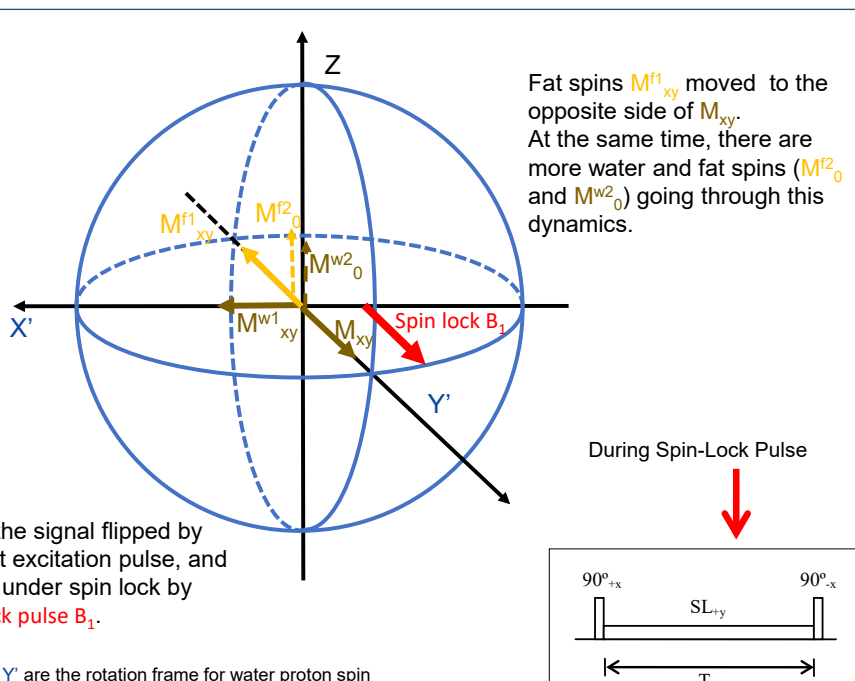
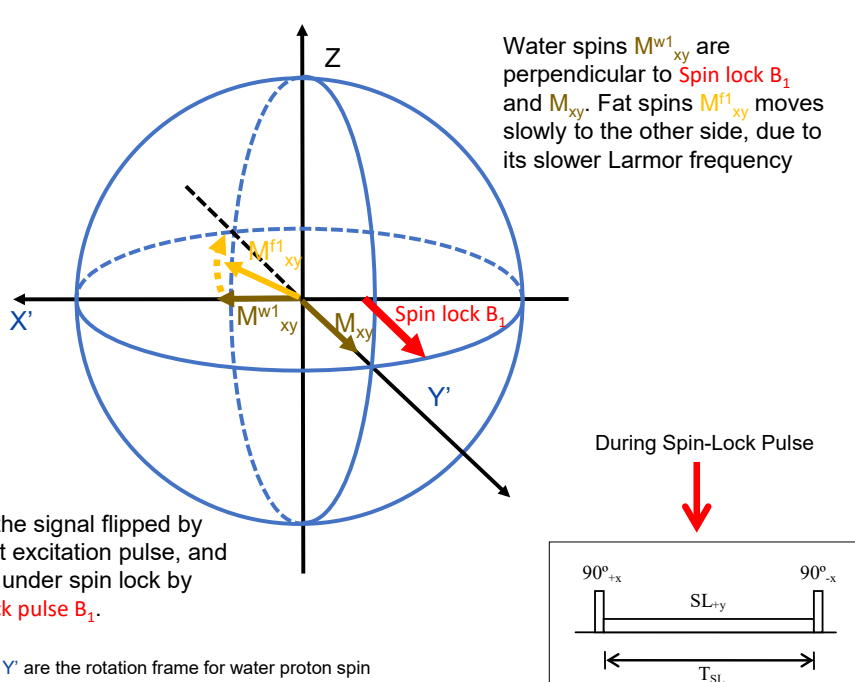
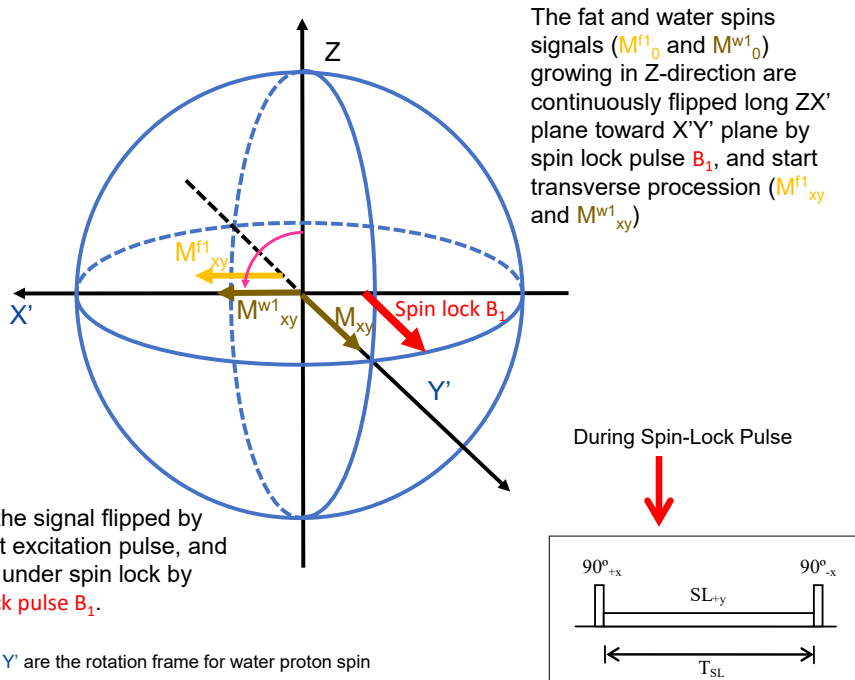
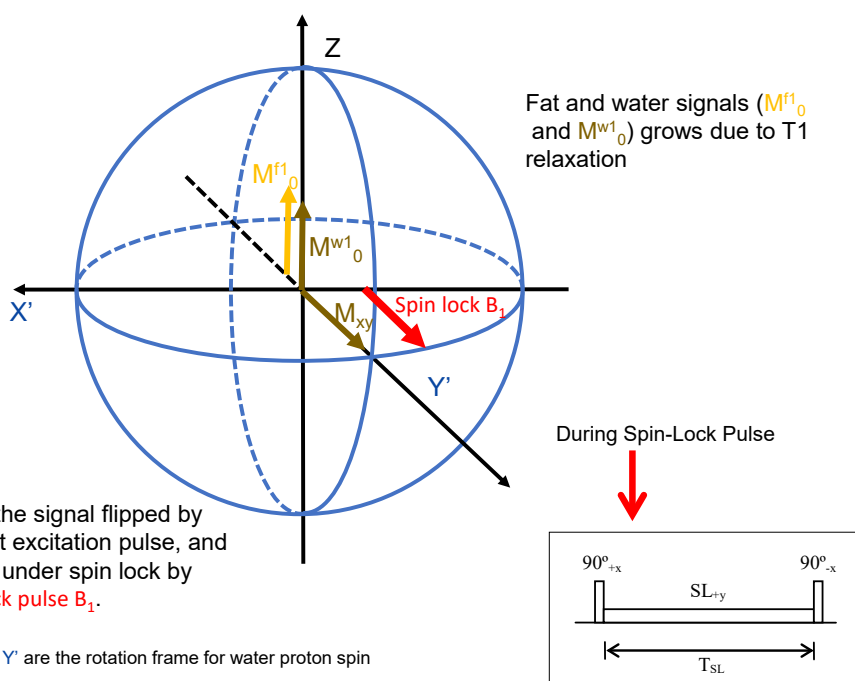
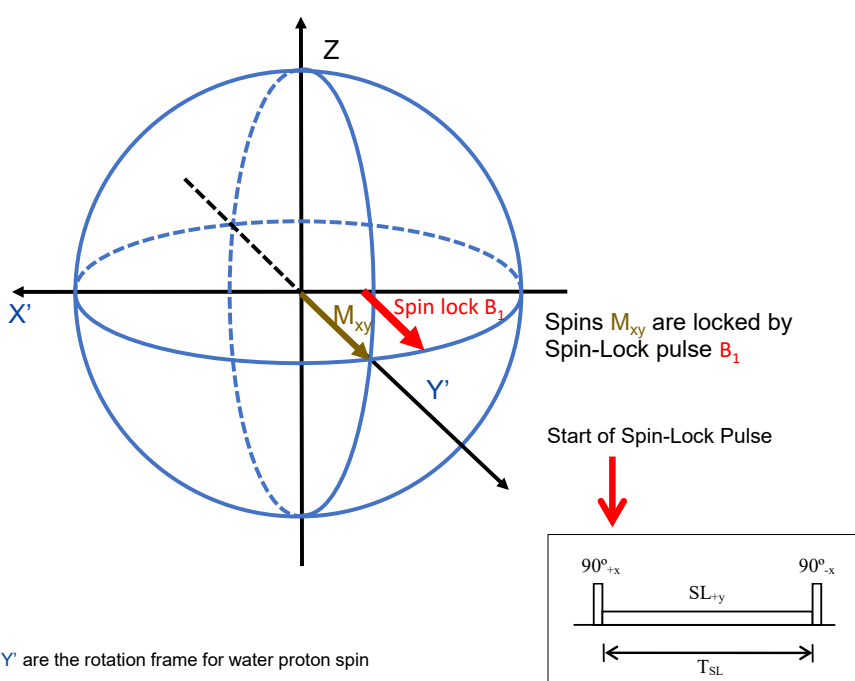
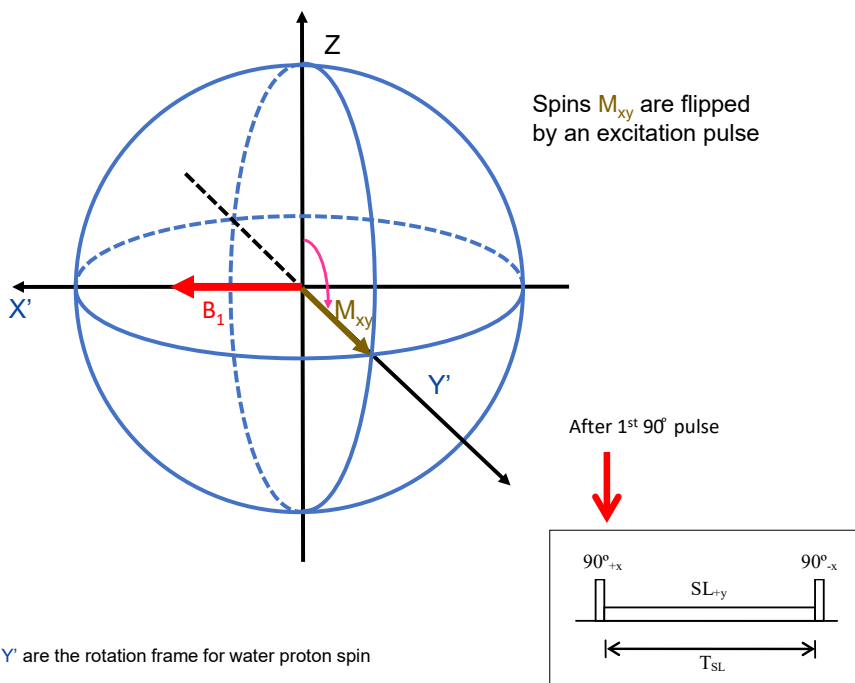
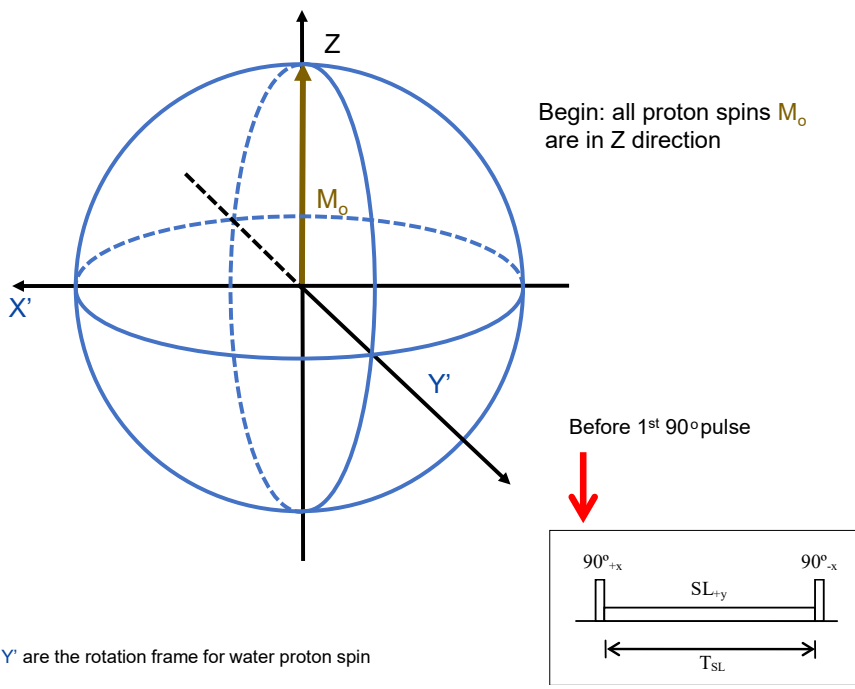


Figure S1 An explanation of T1rho dynamics regarding fat.