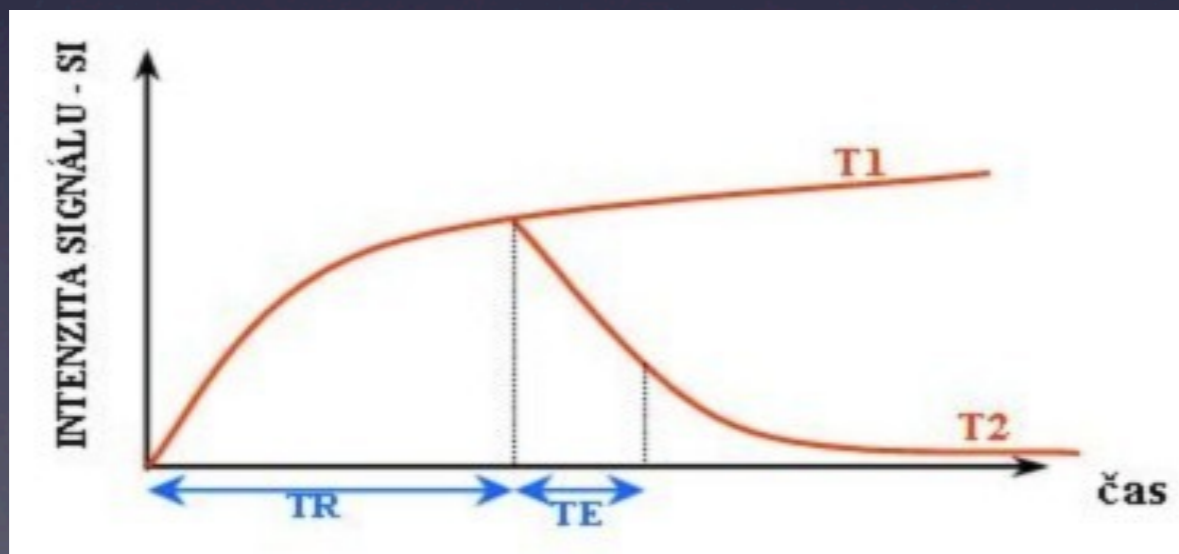
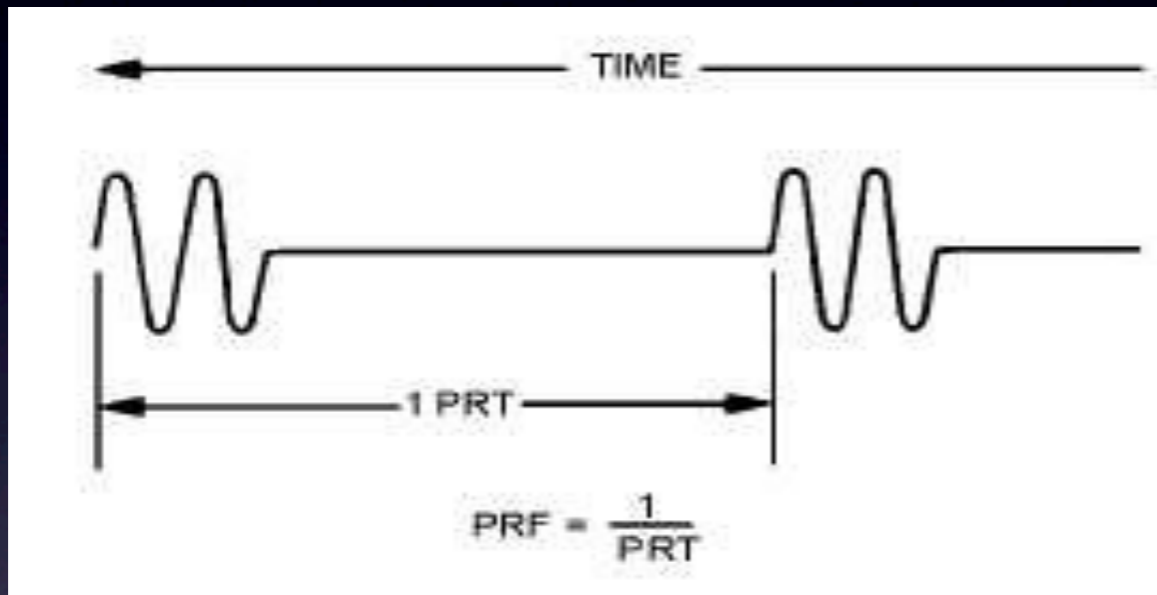


Repetition Time , Echo Time and Pulse Sequence: definitions



Ask Mish



- **Repetition time TR** is given by how quickly (in time) we put in again radio frequency energy
- **Echo time TE** is given by how quickly we listen for the return signal in transversal magnetization.
- **Pulse sequence (PS)** is the sequence of radio frequency pulses and magnetic gradients used to generate a MRI.
- We **variate TR and TE** to **accentuate the differences** between **various tissues** e.g. fat and water in **T1 T2** or **PD** weighted images.