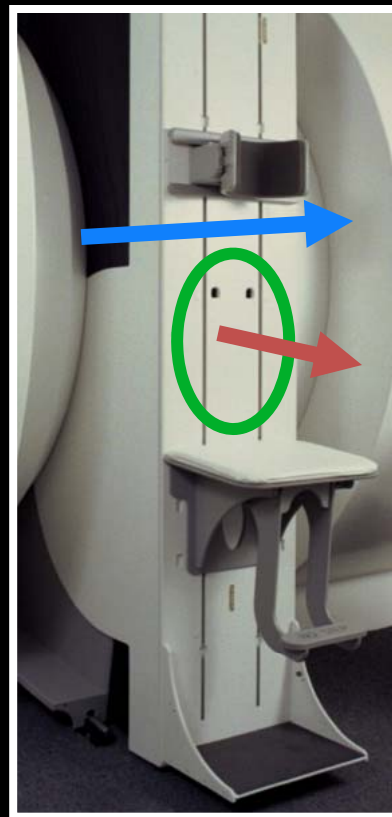


The Impact of RF Receiver Coils

The patient sits upright between two vertical magnetic poles so there is a **horizontal transaxial magnetic field** in the magnet



This is significant because of the rule in MRI that the **axis of symmetry of the RF Receiver Coil** should be perpendicular to the direction of the main magnetic field.

The FONAR Upright® MRI's unique horizontal transaxial magnetic field means it can use planar (flat) RF coils to image the spine just like the high-field MRI systems

Since traditional Open MRI's use a vertical magnetic field, they cannot use planar (flat) RF coils to image the spine

So the FONAR Upright® MRI is dramatically different than any Open MRI

