

Week 3 - Doing fMRI experiments

L03-02. MRI safety

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2. MRI Safety

- Everyone should follow the safety rules for the MRI scanning
Safety training from CNIR MR technical staffs (최부희 선생님 for 7T, 정수지 선생님 for 3T)
 - ➔ Observe and help multiple experiments as a scan buddy
 - ➔ Get confirmed from the MR technical staffs
 - ➔ Now, ready to be an experimenter as a certified user!



- New researchers or graduate students must have the safety training in order to experiment on their own.
- You will need an access card (SECOM card) to enter the MR room. You can apply at the CNIR administration office (N-center 3rd floor).



2. MRI Safety - Basic rules that cannot be overemphasized

- In the MR room, there should be only MR compatible electronic equipment and non-magnetic objects.
- Be careful not to let metal objects enter the MR room even when the scanner is not scanning (the magnetic field exists 24 hours).



2. MRI Safety - Basic rules that cannot be overemphasized

- In the MR room, there should be only MR compatible electronic equipment and non-magnetic objects.
- Be careful not to let metal objects enter the MR room even when the scanner is not scanning (the magnetic field exists 24 hours).
- No fire extinguisher, oxygen tank, wheelchair, defibrillator, people who have metals inside organs.
- Remove glasses, watches, hearing aids, dentures, removable braces before entering the MR room.
- People who have old tattoos that was treated a long time ago (pigments containing iron) or a wide range of tattoos close to head are unsuitable for MRI scanning because of risk of burning.



2. MRI Safety - Basic rules that cannot be overemphasized

- Do not leave all the doors open so that people do not directly enter the MR room. Especially when you're away, make sure that all the doors are closed.

