

CHESS SUB-TEAM

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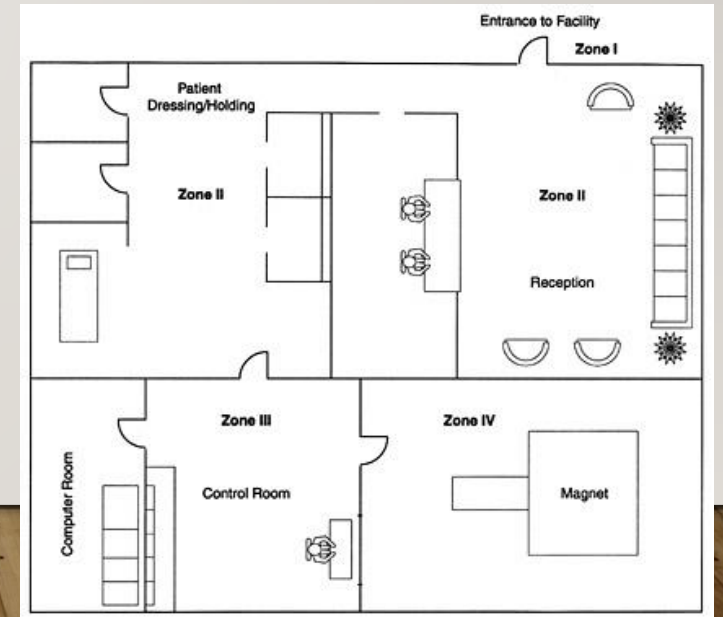


CERTIFICATION PROCESS

- Went through Collaborative Institutional Training Initiative (CITI) to be certified for Human research
- Included methods such as:
 - Informed consent
 - Ethical Regulations
 - Respect for persons, beneficence & Justice (The Belmont Report)

MRI VISIT

- Learned the safety and protocol of using a Magnetic Resonance Imaging Machine:
 - Divides the location of the machine into 4 Zones, each corresponding with a specific safety and specific people who can be in these locations.
 - These Zones have varying Tesla amounts... Tesla referring to the strength of the electromagnetism being given off by the MRI Machine.
- Also learned how it functionally works:
 - Utilizes a static magnetic field.



GETTING THE PARTICIPANTS

- Contacted multiple people to be participants for the experiment.
- Communicated with the chess club for the purpose of also getting chess players
- Looking to recruit participants from out of state... (They have to be very close though)

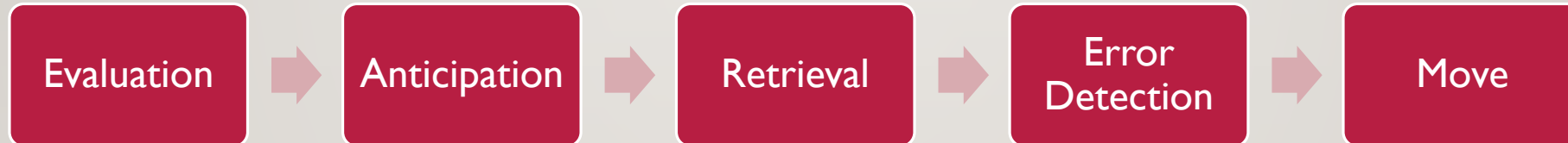
WHAT IS THE EXPERIMENT?

- Involves presenting varying levels of chess players with chess problems/patterns and seeing how they differ in finding solutions.
- What patterns do they exhibit? Can we code it and find similarities between participants in sub groups?
- Conducting MRI scans on their brains to see the different brain activity for the different groups.



VERBALIZATION

- The subjects verbalize their thoughts during or immediately after solving the chess puzzle
- Transcribe audio into words; find similarities, differences, and patterns.
- Steps Modeling:



EXAMPLE (MP02_05)

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