NSF Haptic Project Meeting Agenda (3/11)

Attendees: Christie, Clamann, Gil, Jeon, Lee, Qin, Tupler, Yu, Zhu

Agenda

1. Review of current tasking
   a. Michael & Gil
      i. Recruiting & Scheduling
      ii. Updating website
   b. Zeno & Janet
      i. Responsible for Pre-and Post-testing portion of the experiment
   c. Biwen & Caesar
      i. Responsible for therapy session of the experiment
   d. Michael, Linus & Guk-ho
      i. Backup for the experiment

2. Current status of reduced experiment
   a. Recruited:
      i. 40
   b. Completed:
      i. 14 Subjects
         1. 6 subjects: Native block design
         2. 4 subjects: Basic VR
         3. 4 subjects: Aug. VR
   c. Rejected:
      i. 14 Subjects
         1. Less than 90% of Edinburg Handed Inventory
   d. Current subjects:
      i. 1 subjects: Augmented VR
      ii. 1 subject: Basic VR
   e. Require 2 more subjects

3. Data Analysis (Biwen, Zeno)
   a. Learning analysis based on therapy session (8 trials * 14 subjects)
      i. Learning %, slope of coefficient, power calculation, ANCOVA
         using first trial group as a covariate.
   b. Pre & post test analysis based on MR & native BD scores (2 types * 14
      subjects)
   c. ROCF score comparison (14 subjects)

4. Preparation of full experiment
   a. How to organize full experiment condition
   b. How to modify Basic VR & Aug. VR program, if need. (Linus)
      i. How to reduce learning time of haptic device.
      ii. How to reduce the time difference between native BD and VR BD.