How to provide VRA to young test subjects (monkeys & TVs)

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Overview

This document outlines how to provide VRA (Visual Reinforcement Audiometry) to young test subjects in the CMA 2 CSD Clinic Audiology Booths. Visual reinforcement audiometry (VRA) is a test that allows an audiologist to assess hearing in infants and toddlers too young for normal tests. VRA relies on behavioral conditioning to train very young kids to respond to sounds. It is designed for children aged 6 months to around 2 to 3 years old.

VRA equipment is available in Booth Pairs B & E. Motorized toys and video reinforcement are available in each of these booths.

Motorized Toy VRA

| Power on the ‘VRA SYSTEM VI’ as well as the ‘ANIMATION’ switch
| The ‘LEFT’ & ‘RIGHT’ switches control the respective motorized toys.
| If you hold a switch down, the motorized toy will continuously be active until you release the switch.

Video VRA

| For Video:
| Power on the ‘Audiometer CD/DVD Player’ located in the rack and Insert a DVD.
| Note: The ‘VRA SYSTEM VI’ must be powered on as well for the video to work in the next step.
| The ‘VIDEO STIMULUS SWITCH BOX’ controls the video.
| If ‘VIDEO OUTPUT ON’ is selected, you should see a continuous image on both TV’s (Test subject room)
| If ‘VIDEO OUTPUT FLASRED’ is selected, then the TV’s should be blank until the RED or WHITE (Left & RIGHT) paddle switches are pressed. If you hold a switch down, the image will continuously play until you release the switch.

Troubleshooting
If you are unable to view the video
Make sure the 'Audiometer CD/DVD Player' is powered on and playing as well as the 'VRA SYSTEM VI'.

Make sure the test subject TV's are also Powered on.
If power is on the front there is label directing to the power button.
If there is no power button on the front, then it is located on the back bottom-right as a joy stick.
For power press the joystick in like a normal power button.

NOTE: The TV's need to be on 'AV' input to work

reviewed 10/9/17 - Cox