DialysisStimuli

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Foreword

WARNING

Whisker is a system designed for research purposes only, and should never be used to control medical apparatus or other devices that could endanger human life.

DISCLAIMER

The authors, copyright holders, and distributors disclaim all responsibility for any adverse effects that may occur as a result of a user disregarding the above warning.
1 DialysisStimuli

1.1 About DialysisStimuli

Purpose


Software requirements

Requires Whisker v2.0 or greater.

Data storage

None.

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1.2 Task details

As the code stands, DialysisStimuli runs through the following sequence:

2. Waits 2 min.
3. Presents 5 on/off cycles of either clicker (10-Hz clicking, on for 10s, off for 40s) or light (15s on, 35s off) stimulus, separated by 6-min periods of darkness and nothing-ness.
4. Waits 6 min.
5. Repeat steps 2-4 twice more for a total of 3 presentations of the same stimulus.
6. Repeat steps 2-5 for the other stimulus.

You can choose whether to use the clicker or light first, and which light to use. No data is recorded.

While the task is running it looks like this:
1.3 Required devices

The program requires to claim devices in groups named box0, box1, box2... with device names as follows:

```cpp
// Names of lines the program expects to be able to claim
HOUSELIGHT // output
LEFTLIGHT  // output
RIGHTLIGHT // output
CLICKER    // output

// Aliases used while the program is in full flight, which it therefore expects not to be present on the server:
CSLIGHT
```

Please ensure that devices named ‘HOUSELIGHT’, ‘LEFTLIGHT’, etc. are available and listed in the device definition file in use by the server. An excerpt from an appropriate device definition file is given below:

```
# Box 0 definition

line 0    box0    NOSEPOKE
line 1    box0    LEFTLEVER
line 2    box0    RIGHTLEVER
line 3    box0    LOCOBEAM_FRONT
```
line 4 box0 LOCObEAM_MIDDLE
line 5 box0 LOCObEAM_REAR

line 24 box0 HOUSELIGHT
line 25 box0 LEFTLIGHT
line 26 box0 RIGHTLIGHT
line 27 box0 TRAYLIGHT
line 28 box0 PUMP
line 29 box0 CLICKER
line 30 box0 LEFTLEVERCONTROL
line 31 box0 RIGHTLEVERCONTROL

# Box 1 definition

line 6 box1 NOSEPOKE
line 7 box1 LEFTLEVER
line 8 box1 RIGHTLEVER
line 9 box1 LOCObEAM_FRONT
line 10 box1 LOCObEAM_MIDDLE
line 11 box1 LOCObEAM_REAR

line 32 box1 HOUSELIGHT
line 33 box1 LEFTLIGHT
line 34 box1 RIGHTLIGHT
line 35 box1 TRAYLIGHT
line 36 box1 PUMP
line 37 box1 CLICKER
line 38 box1 LEFTLEVERCONTROL
line 39 box1 RIGHTLEVERCONTROL

# ... etc.
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