

CVR experiment Checklist Medtronic CO2 monitor

1. Items to bring to the experiment:

Disposable

- Nose clip
- Mouthpiece
- CO2 sampling line

Non-disposable

- Two-way non-rebreathing valve
- Mouthpiece-valve connecting tube
- Gas delivery tube
- Douglas bag filled with 5% CO2 air
- Goose neck stand
- Signal bar (optional)

CO2 recording

- CO2 monitor (monitor, CO2 sampling)
- USB drive
- Watch
- Switching timesheet

2. Before the experiment:

- Set up CO2 monitor and connect sampling
- Connect USC drive to the monitor and start recording
- Connect two-way non-rebreathing valve to the goose neck stand and fix it onto the scanner table
- Set up mouthpiece, mouthpiece-valve connecting tube, and sampling line extension

3. Prepare the subject:

- Put on mouthpiece and connect the mouthpiece-valve connecting tube to the two-way non-rebreathing valve
- Put on nose clip
- Connect the Gas deliver tube to the two-way non-rebreathing valve
- Check CO2 trace on the CO2 monitor

4. Perform CVR scan

Person stays outside

- Signaling the researcher inside the scanner room at the 6th dynamic
- Observe the CO2 trace

Person stays inside

- Start the stopwatch when signaled
- Switch according to the timing sheet

5. After CVR scan

- Remove nose clip and mouthpiece from the subject
- Disassemble the gas delivery system
- Disassemble the CO2 recording system
- Dispose of mouthpiece, nose clip, sampling line extension.
- Clean up the two-way non-rebreathing valve and mouth piece-valve connecting tube

CVR experiment Checklist Phillips NM3 CO2 monitor

1. Items to bring to the experiment:

Disposable

- Nose clip
- Mouthpiece
- CO2 sampling line extension

Non-disposable

- Two-way non-rebreathing valve
- Mouthpiece-valve connecting tube
- Gas delivery tube
- Douglas bag filled with 5% CO2 air
- Goose neck stand
- Signal bar (optional)

CO2 recording

- CO2 monitor (monitor, CO2 sensor, sampling line with dehumidifier, power cord)
- USB drive
- Watch
- Switching timesheet

2. Before the experiment:

- Set up CO2 monitor and connect sampling line
- Connect USB drive to the monitor and start recording
- Connect two-way non-rebreathing valve to the goose neck stand and fix it onto the scanner table
- Set up mouthpiece, mouthpiece-valve connecting tube, and sampling line extension

3. Prepare the subject:

- Put on mouthpiece and connect the mouthpiece-valve connecting tube to the two-way non-rebreathing valve
- Put on nose clip
- Connect the Gas delivery tube to the two-way non-rebreathing valve
- Check CO2 trace on the CO2 monitor

4. Perform CVR scan

Person stays outside

- Signaling the researcher inside the scanner room at the 6th dynamic
- Observe the CO2 trace

Person stays inside

- Start the stopwatch when signaled
- Switch according to the timing sheet

5. After CVR scan

- Remove nose clip and mouthpiece from the subject
- Disassemble the gas delivery system
- STOP CO2 recording
- Disassemble the CO2 recording system
- Dispose of mouthpiece, nose clip, sampling line extension.
- Clean up the two-way non-rebreathing valve and mouth piece-valve connecting tube

CVR experiment switching instruction

Start the stopwatch when signaled

<i>Action</i>	<i>Watch</i>	<i>Condition</i>
Start stop watch	00:00:00	Room air
Switch on	00:00:15	5% CO2
Switch off	00:01:05	Room air
Switch on	00:02:15	5% CO2
Switch off	00:03:05	Room air
Switch on	00:04:15	5% CO2
Switch off	00:05:05	Room air
End	00:07:00	