MarkVCID2
Identifying CVR CO2 Files for Globus Upload
v3.13.23

Overview:

This document contains guidance for identifying the Nonin monitor CO2 recording files that should be uploaded to Globus for each participant that completes the CVR scan.

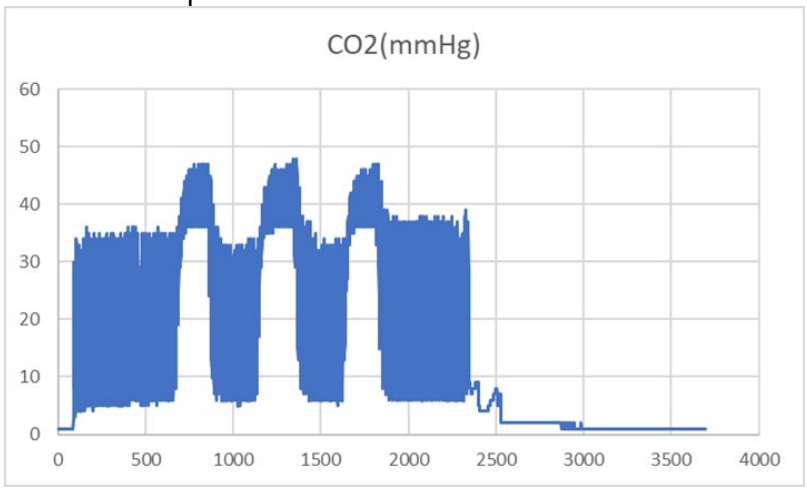
Identifying CVR CO2 Files for Globus Upload

Sites using a Nonin monitor for CVR scans should only include 3 .csv CO2 recording files along with the images uploaded to Globus. Should the monitor generate extra sets of .csv files, please use the following methods to identify which set should be uploaded:

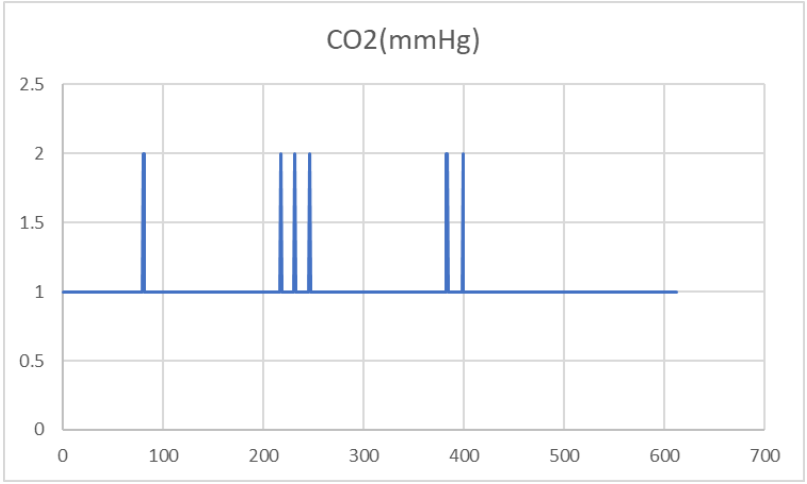
1. **Matching the file names with the recording date and time:**
   Each CO2 recording will generate 3 .csv files, *_cw.csv, *_gd.csv, and *_pt.csv. These files have the same prefix in the file name that contains the date and clock time of when the data recording started. You may be able to identify the correct set of .csv files by looking at the file name and finding the ones with the same date and clock time as when the recording started.

2. **Plotting the CO2 waveforms:**
   Each *_cw.csv file can be opened with Excel to plot the waveforms to identify the correct file set. To do this, complete the following steps:
   a) In the Excel spreadsheet, select the entire column C titled “CO2 (mmHg)”.
   b) Click the “Insert” tab and navigate to the “Charts” panel.
   c) Select the “Scatter” plot and then “Scatter with Straight Lines”.

   If you see that the plotted waveform has 3 humps (as in the plot below), it is the correct file set to be uploaded:



   If the plotted waveform is a flat line with random spikes (as in the plot below), this set of .csv files should not be uploaded:



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