Supplemental Materials - Figures
Patients

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This document contains figures for the model-based analysis described. Figures 1 - 7 display data and model outputs for each data set with the following indicators: (a) electrocardiogram (ECG) trace, (b) measured intrathoracic (ITP) trace, (c) pulse pressure trace with systolic blood pressure (BP) in dark blue, (d) heart rate (HR) calculated from the R-R intervals in the ECG trace with the maximum HR in phase III and minimum HR in phase IV indicated with red dots, (e) ECG-derived respiratory signal, (f) combined thoracic pressure (P_{th}) curve, (g) systolic BP with the line of regression through the increasing portion of the systolic BP curve in late phase II whose slope is α, (h) HR trace overlaid with the optimized model output H, (i) predicted aortic and carotid baroreceptor strains, (j) predicted baroreflex-mediated parasympathetic ($T_{p,b}$) and sympathetic (T_s) outflows, and (k) respiratory-mediated parasympathetic ($T_{p,r}$) outflow. The patients were not part of the study which measured ITP, so a FE of 40 mmHg was assumed in these cases. The ITP plots for the patients in panel (b) are left blank.
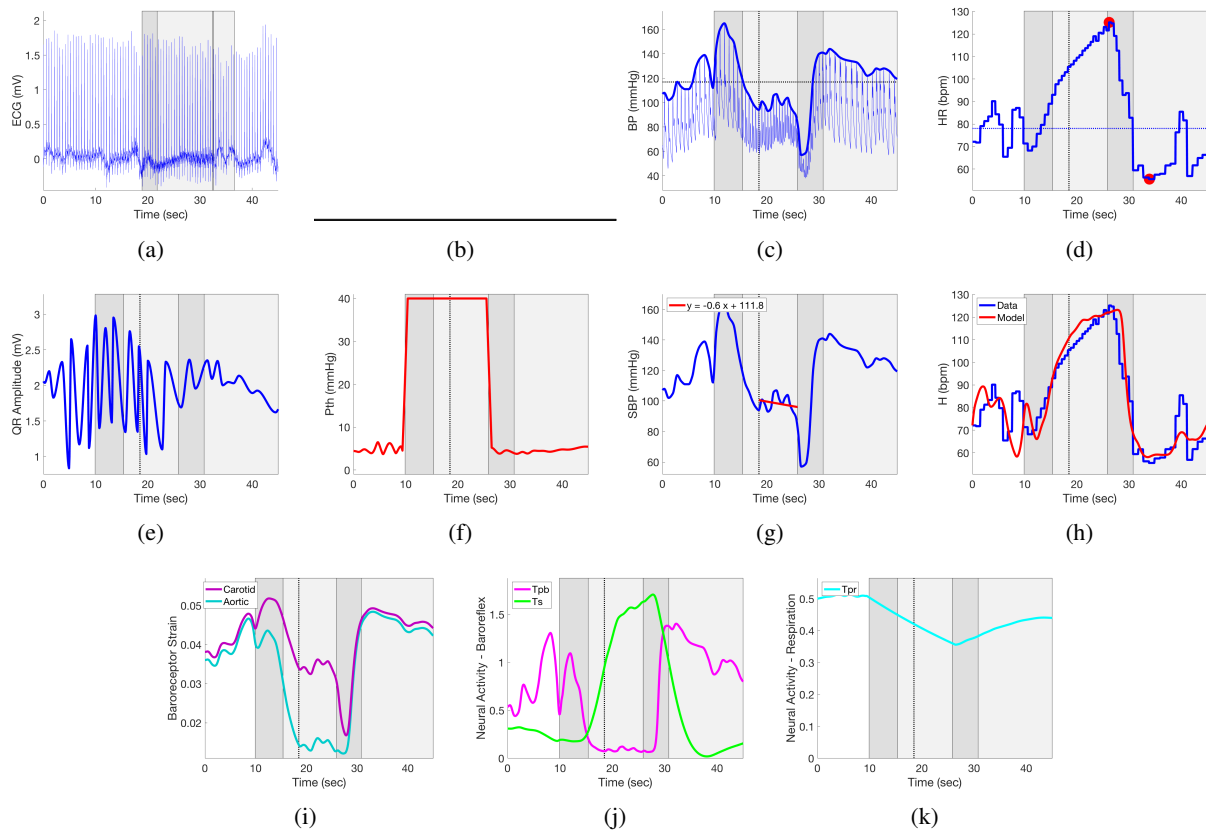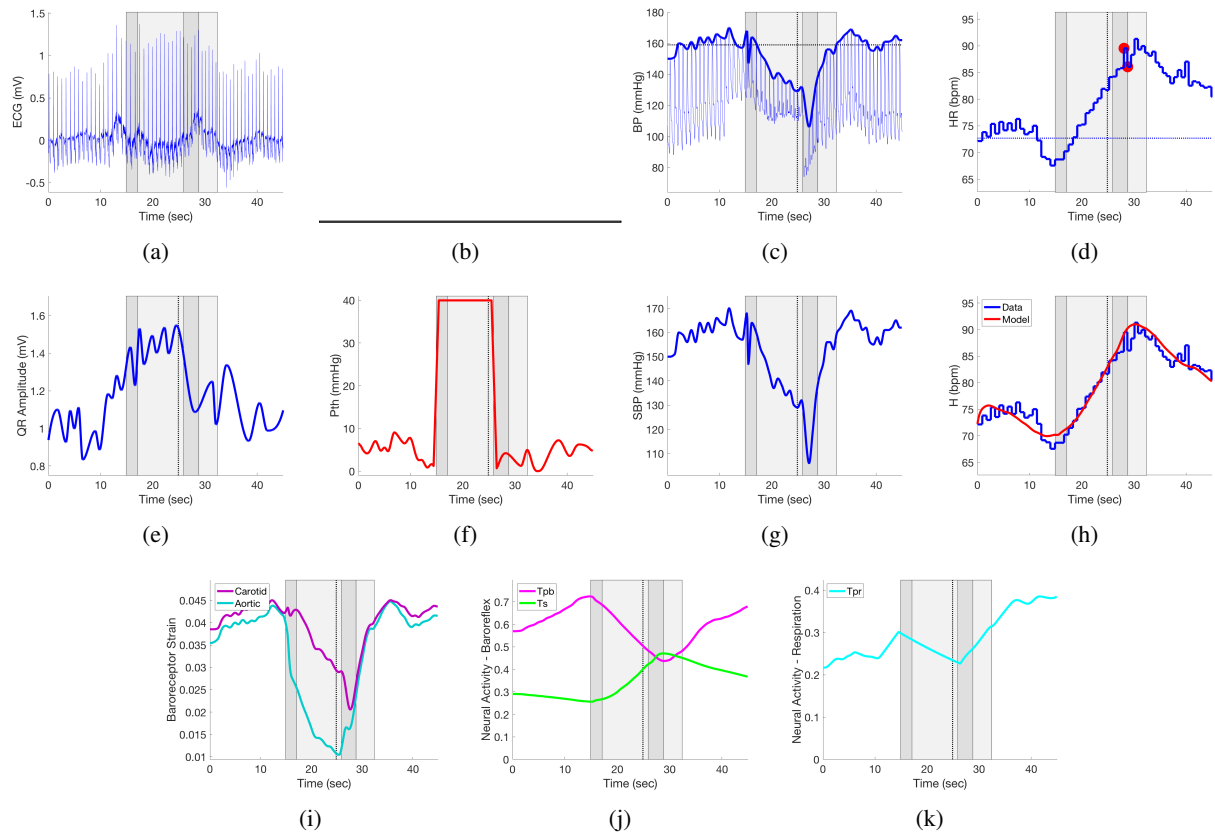

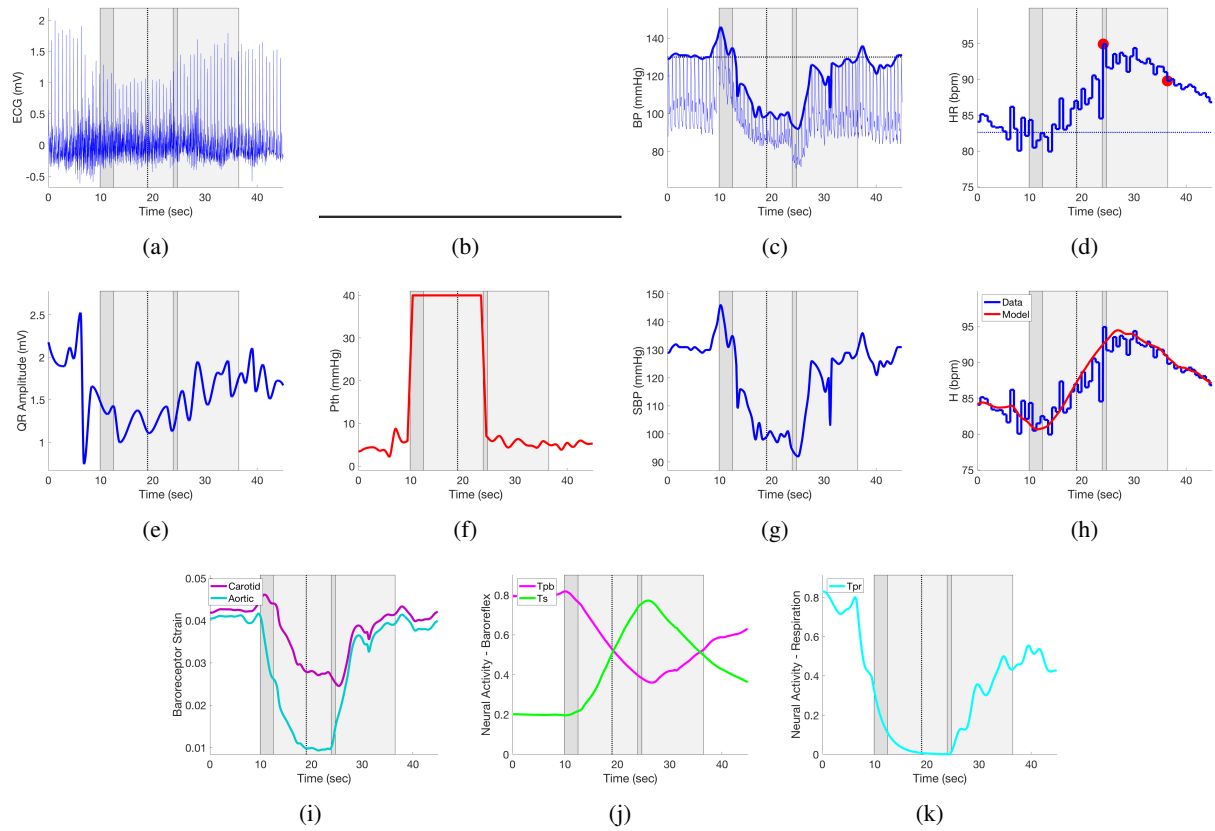Figure 1: Patient 1 VM 1.

Figure 2: Patient 2 VM 1.
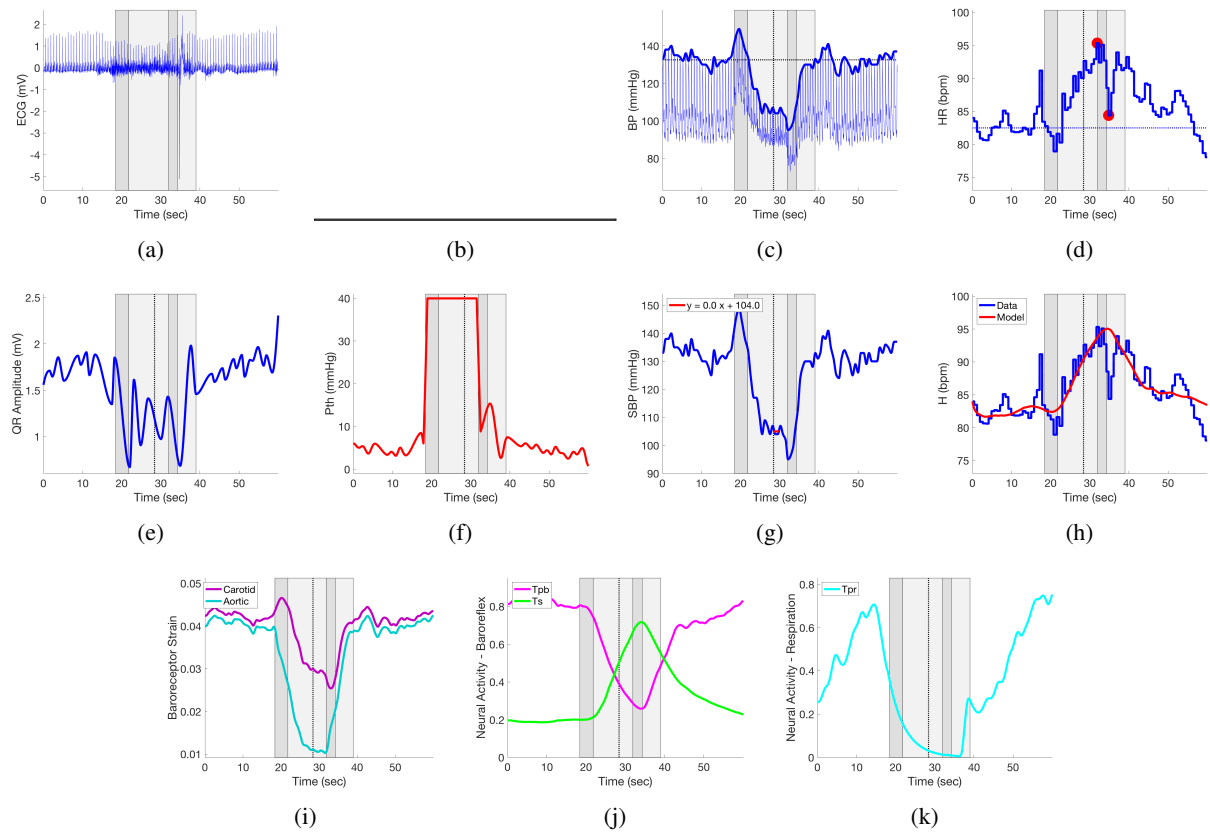

Figure 3: Patient 3 VM 1.
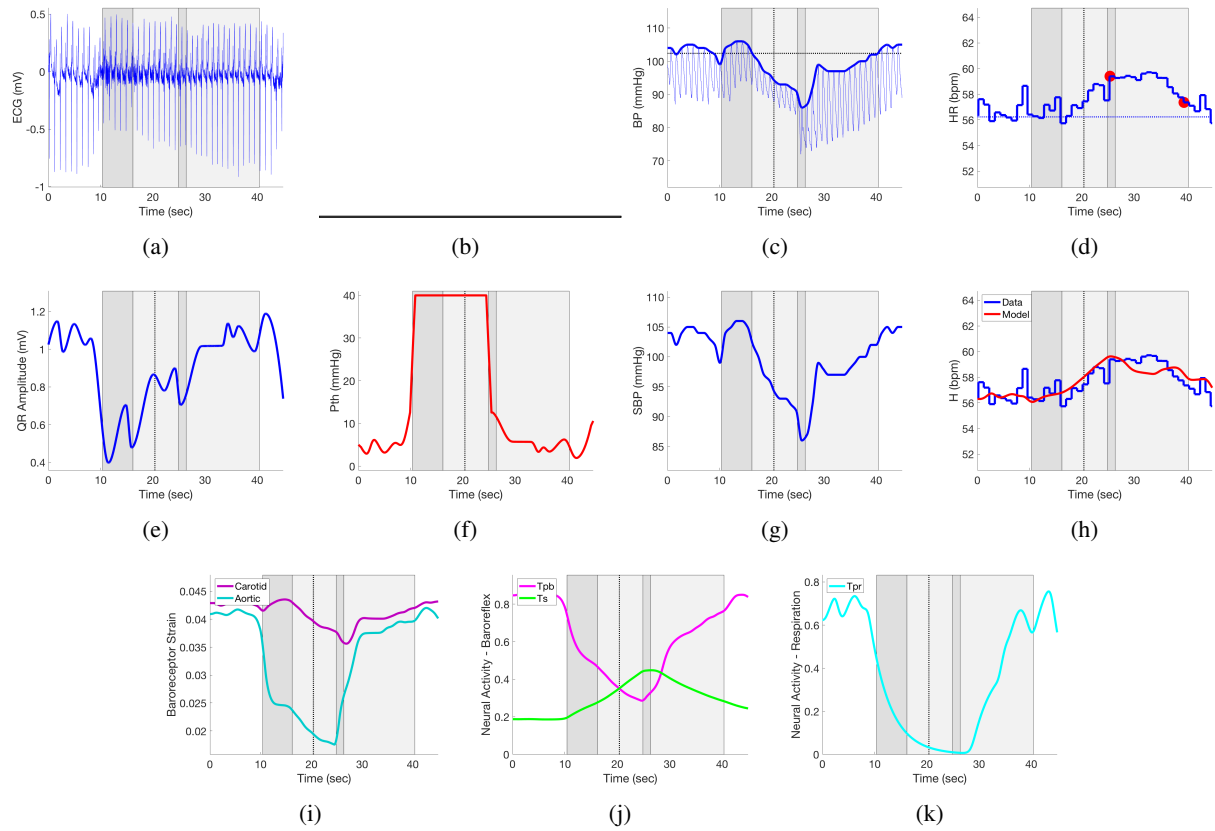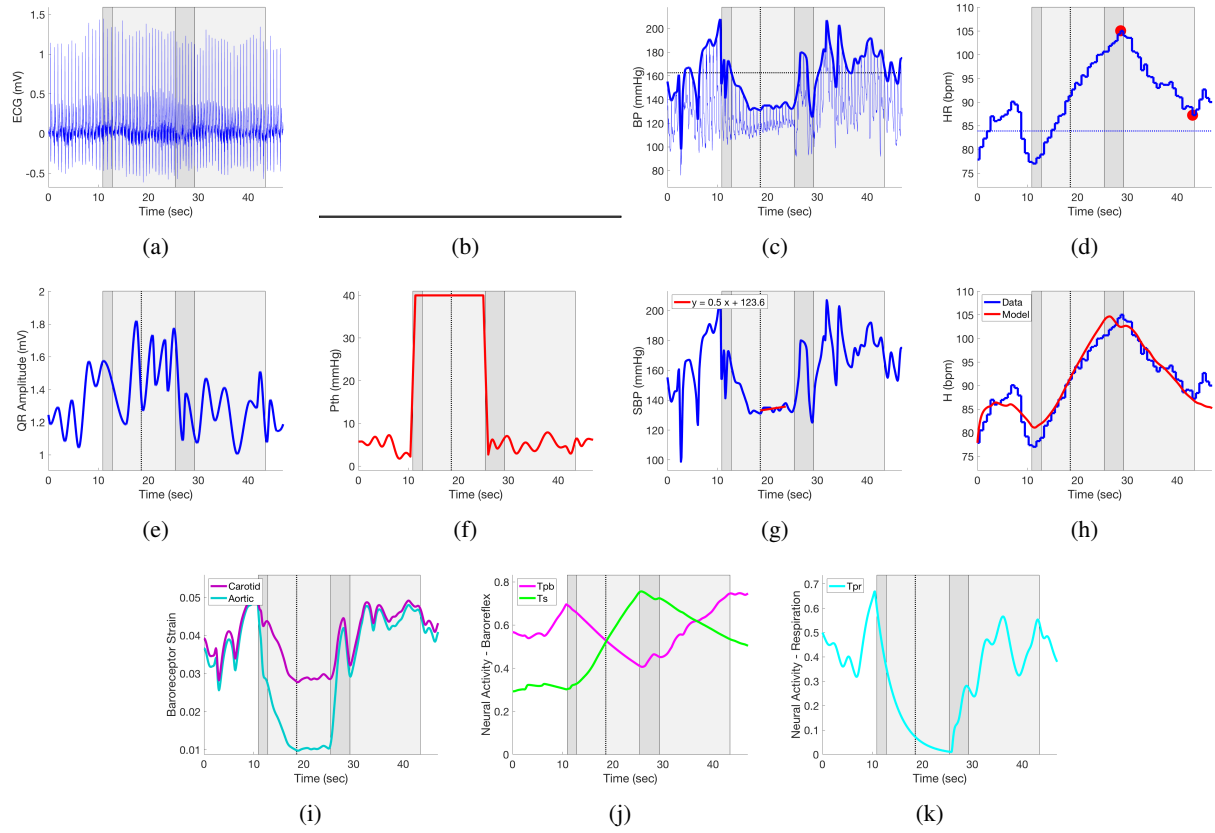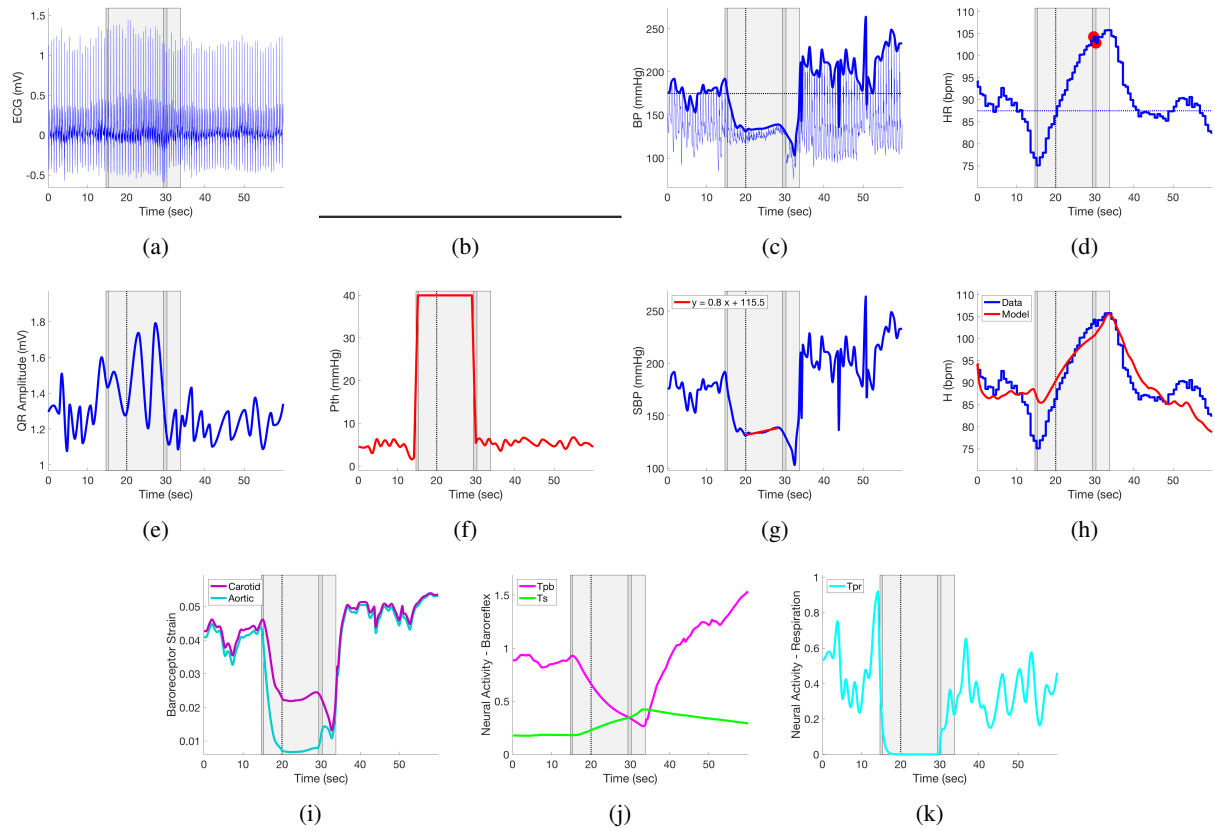
Figure 4: Patient 3 VM 2.

Figure 5: Patient 4 VM 1.

Figure 6: Patient 5 VM 1.

Figure 7: Patient 5 VM 2.