We claim:

1. A method for modifying a therapeutic device setting, the method comprising:

receiving a first sympathetic nerve activity signal (SNA) signal, the first SNA signal being generated by an SNA sensor;

receiving a physiological endpoint;

providing the first SNA signal and the physiological endpoint to a machine learning model trained to output a subset of the first SNA signal based on the physiological endpoint;

receiving the subset of the first SNA signal output from the machine learning model;

determining a first current physiological state based on the subset of the first SNA signal;

determining the therapeutic device setting based on the first current physiological state and the physiological endpoint; and

causing a therapeutic device to be modified based on the therapeutic device setting.

2. The method of claim 1, further comprising:

receiving a second SNA signal, the second SNA signal being generated by the SNA sensor;

providing the second SNA signal and the physiological endpoint to the machine learning model;

receiving a subset of the second SNA signal output by the machine learning model based on the second SNA signal and the physiological endpoint; and

determining a second current physiological state based on the subset of the second SNA signal.

3. The method of claim 2, further comprising training the machine learning model based on the first current physiological state and the second current physiological state.

4. The method of claim 2, further comprising:

determining an updated therapeutic device setting based on the second current physiological state and the physiological endpoint; and

causing the therapeutic device to be modified based on the updated therapeutic device setting.

5. The method of claim 1, wherein the subset of the first SNA signal excludes portions of the first SNA signal collected during a blanking period.

6. The method of claim 5, wherein the blanking period corresponds to a duration of time during which the therapeutic device outputs an electrical impulse.

7. The method of claim 1, wherein the physiological endpoint is a target blood pressure.

8. The method of claim 7, wherein the target blood pressure is one of a systolic blood pressure, diastolic blood pressure, or mean arterial pressure.

9. The method of claim 1, wherein the SNA sensor is associated with a wearable device.

10. The method of claim 1, wherein receiving the first SNA signal further comprises:

receiving a sensed SNA signal;

amplifying the sensed SNA signal to generate an amplified sensed SNA signal; and

processing the amplified sensed SNA signal using a band pass filter to generate the first SNA signal.

11. A system comprising:

a memory configured to store processor-readable instructions; and

a processor operatively connected to the memory, and configured to execute the instructions to perform operations that include:

receiving a first sympathetic nerve activity signal (SNA) signal, the first SNA signal being generated by an SNA sensor;

receiving a physiological endpoint;

providing the first SNA signal and the physiological endpoint to a machine learning model trained to output a subset of the first SNA signal based on the physiological endpoint;

receiving the subset of the first SNA signal output from the machine learning model;

determining a first current physiological state based on the subset of the first SNA signal;

determining a therapeutic device setting based on the first current physiological state and the physiological endpoint; and

causing a therapeutic device to be modified based on the therapeutic device setting.

12. The system of claim 11, wherein the operations further include:

receiving a second SNA signal, the second SNA signal being generated by the SNA sensor;

providing the second SNA signal to the machine learning model;

receiving a subset of the second SNA signal output by the machine learning model based on the second SNA signal and the physiological endpoint; and

determining a second current physiological state based on the subset of the second SNA signal.

13. The system of claim 12, wherein the operations further include training the machine learning model based on the first current physiological state and the second current physiological state.

14. The system of claim 12, wherein the operations further include:

determining an updated therapeutic device setting based on the second current physiological state and the physiological endpoint; and

causing the therapeutic device to be modified based on the updated therapeutic device setting.

15. The system of claim 11, wherein receiving the first SNA signal further comprises:

receiving a sensed SNA signal;

amplifying the sensed SNA signal to generate an amplified sensed SNA signal; and

processing the amplified sensed SNA signal using a band pass filter to generate the first SNA signal.

16. A method for modifying a therapeutic device setting, the method comprising:

receiving input signals comprising a sympathetic nerve activity signal (SNA) and an electrocardiogram activity (ECG) signal;

providing the SNA signal and the ECG signal to a machine learning model trained to output a subset of the SNA signal based on the ECG signal;

receiving the subset of the SNA signal output from the machine learning model;

receiving a physiological endpoint;

determining a first current physiological state based on the subset of the SNA signal;

determining the therapeutic device setting based on the first current physiological state and the physiological endpoint; and

causing a therapeutic device to be modified based on the therapeutic device setting.

17. The method of claim 16, wherein the subset of the first SNA signal excludes portions of the SNA signal collected during a blanking period.

18. The method of claim 17, wherein the blanking period corresponds to a duration of time during which the therapeutic device outputs an electrical impulse.

19. The method of claim 17, wherein the machine learning model is configured to determine the blanking period based on the ECG signal.

20. The method of claim 16, wherein the SNA signal is generated at a first sensor and the ECG signal is generated at a second sensor.