

Cardiac Arrest




Cardiac arrest stops oxygen delivery to the tissues. Any remaining metabolism is anaerobic. Organ failure is rapid.

Ventilation and sympathetic nerve activity are temporarily stimulated, but this is of little value.

In this exercise, we'll use ventricular fibrillation to create cardiac arrest.

The Cardiac Arrest Protocol

Click **Restart** to reestablish initial conditions and then record control values.

Go to  **Ventricles** and click the fibrillate now button. Record the acute hemodynamic effects of loss of ventilation. Advance time and record data.



Blood Pressure (mmHg)



Cardiac Output (mL/Min)






Total Ventilation (L/Min)



Sympathetic Ganglia Firing (Hz)

Time	Control	30 Sec	1 Min
Blood Pressure			
Cardiac Output			
Ventilation			
Symp Activity			

You can go to  **Structure / Function** to monitor changes in organ function with time.



Charts shows neurological signs.



Go to **Misc. Treatments** to attempt defibrillation. See the exercise **Cardiopulmonary Resuscitation** for more on this.



References

None at this time.

