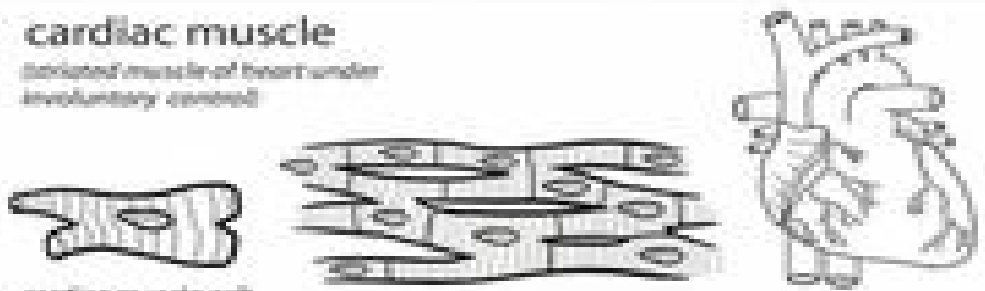


Muscle

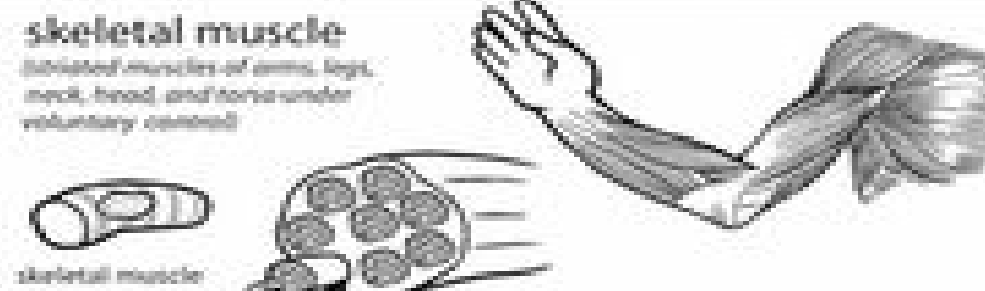
cardiac muscle
(striated muscle of heart under involuntary control)



cardiac muscle cell

This panel illustrates cardiac muscle. On the left, a single cardiac muscle cell is shown with a central nucleus and striations. In the middle, a bundle of cardiac muscle tissue is depicted, showing the branching nature of the cells. On the right, a human heart is shown, representing the organ composed of this muscle type.


skeletal muscle
(striated muscles of arms, legs, neck, head and torso under voluntary control)



skeletal muscle cell

This panel illustrates skeletal muscle. On the left, a single skeletal muscle cell is shown with a peripheral nucleus and striations. In the middle, a bundle of skeletal muscle tissue is depicted, showing the parallel arrangement of fibers. On the right, a human arm is shown with the skeletal muscles of the forearm and upper arm highlighted.

smooth muscle
(non-striated muscles of the blood vessels, digestive system, respiratory system, urinary tract and reproductive system under involuntary control)



smooth muscle cell

This panel illustrates smooth muscle. On the left, a single smooth muscle cell is shown with a central nucleus and a spindle shape. In the middle, a sheet of smooth muscle tissue is depicted, showing the interlocking arrangement of cells. On the right, a human stomach is shown, representing an organ composed of this muscle type.