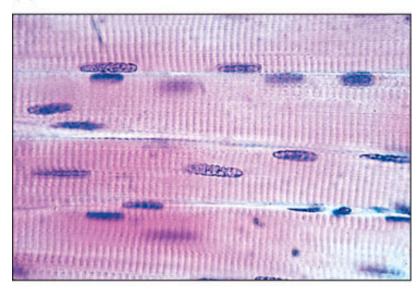
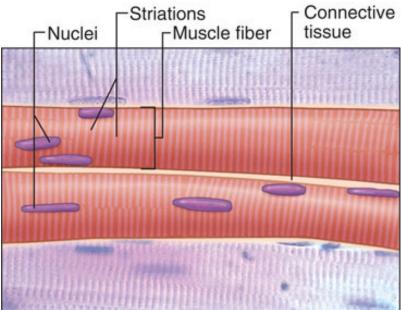
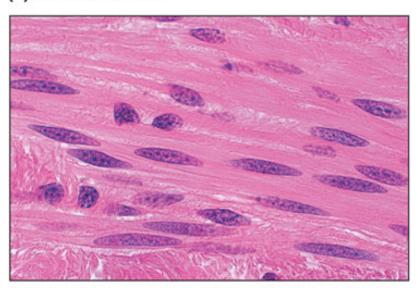
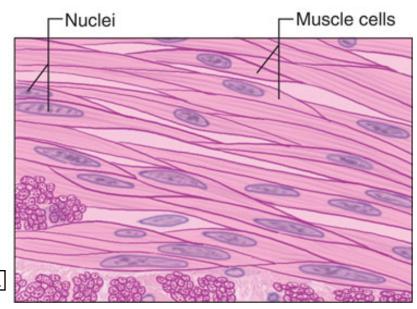
(a) Skeletal muscle





(c) Smooth muscle





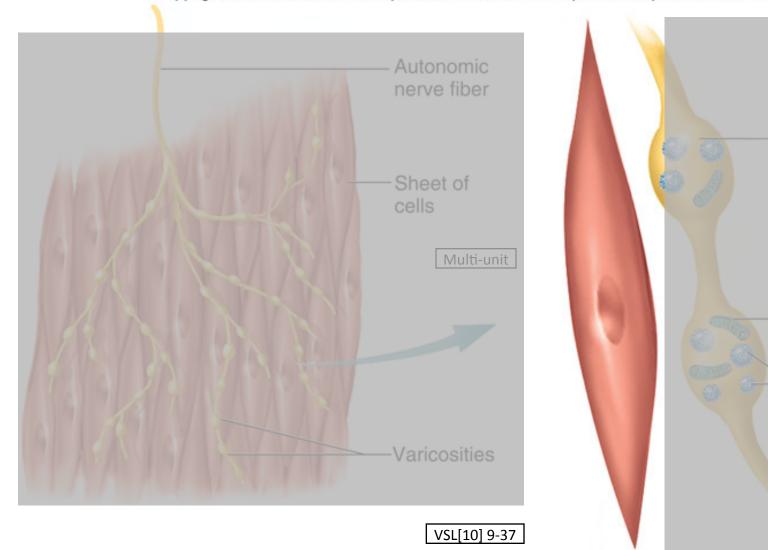
VSL[10] 9-1

Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display.

Varicosity

Mitochondrion

Synaptic vesicles



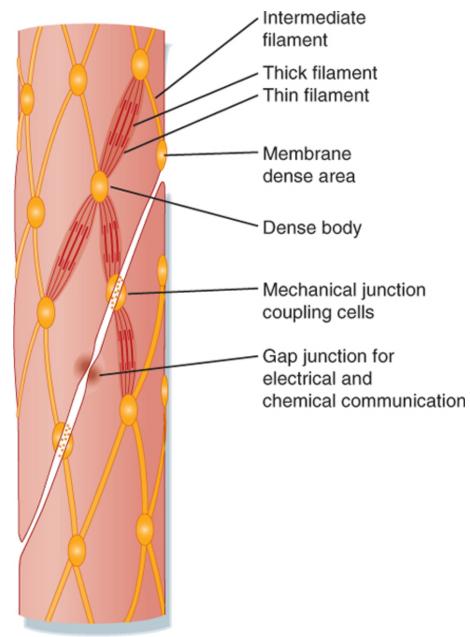


Figure 14-4 Apparent organization of cell-to-cell contacts, cytoskeleton, and myofilaments in smooth muscle cells. Small contractile elements functionally equivalent to a sarcomere underlie the similarities in mechanics between smooth and skeletal muscle. Linkages consisting of specialized junctions or interstitial fibrillar material functionally couple the contractile apparatus of adjacent cells.

3

Koeppen & Stanton: Berne and Levy Physiology, 6th Edition. Copyright © 2008 by Mosby, an imprint of Elsevier, Inc. All rights reserved

END

Video 2, Module 4