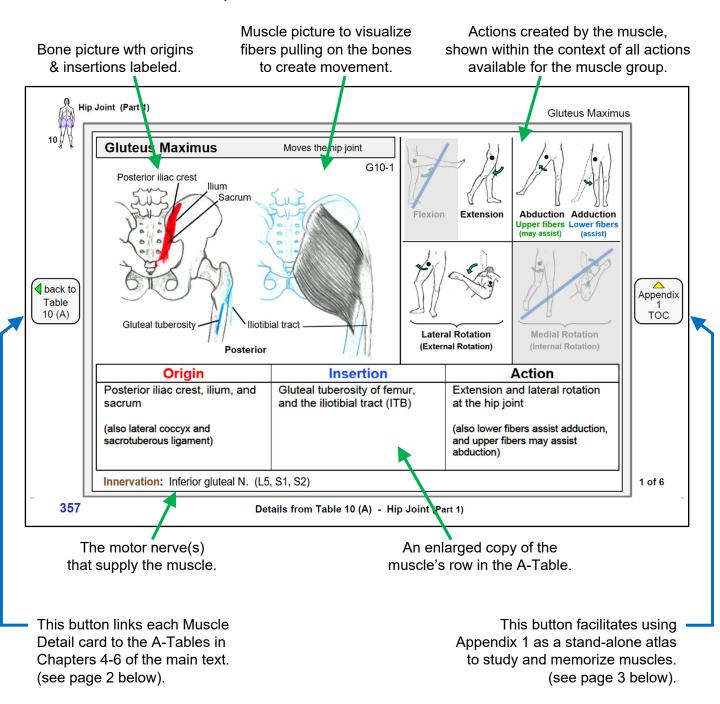
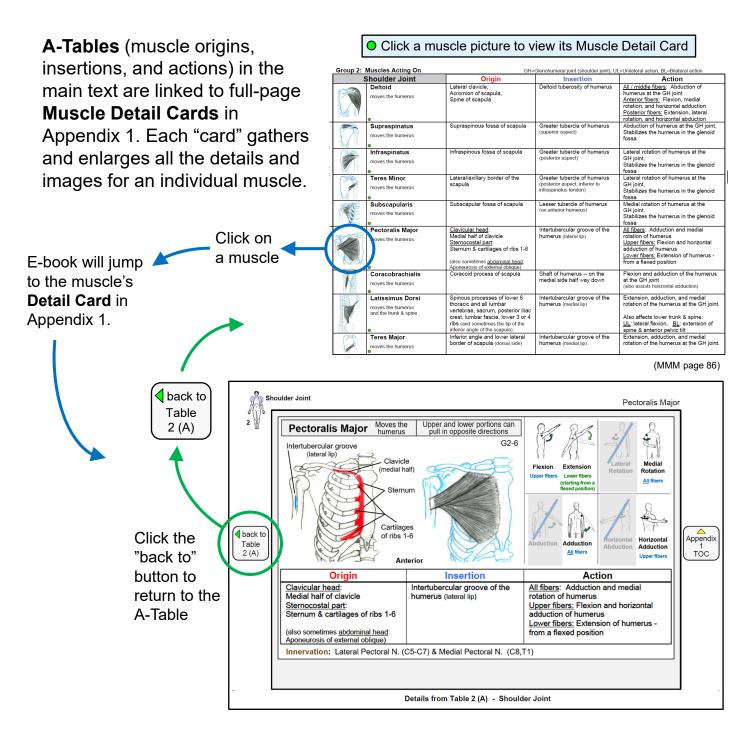
# **Description**

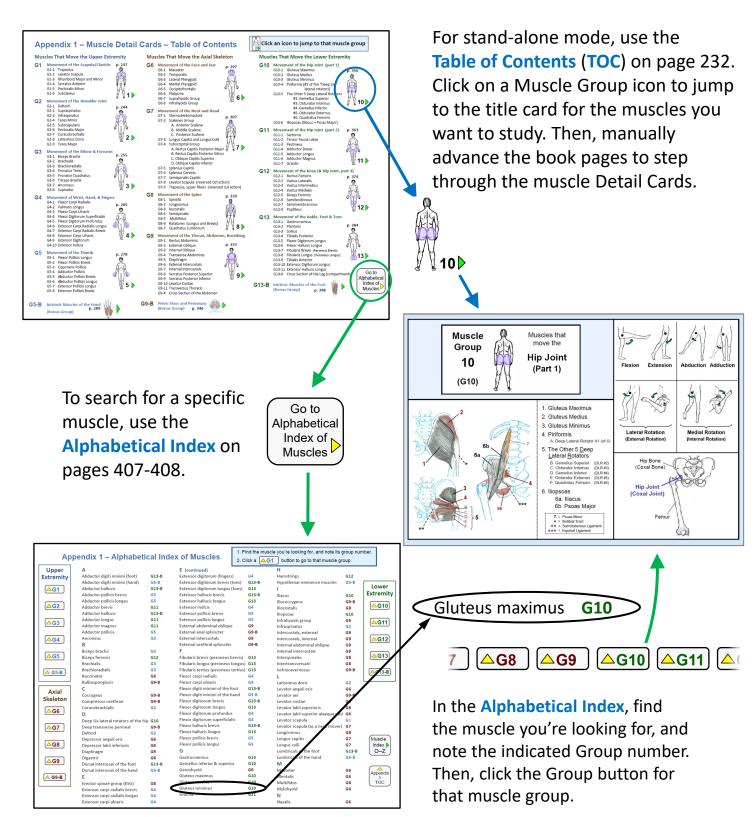
Appendix 1 provides details for each individual muscle in Muscle Groups 1 to 13 as presented in Chapters 4-6 (and also for the Bonus Groups). Each page of this Appendix presents a full-page "card" for a single muscle. The card contains all the information from the A-Table, plus a picture of the muscle, a picture of the orgin/insertion locations, a diagram illustrating the actions created by the muscle, its innervation and other pertinent information.



# Muscle Detail Cards linked to the "A" Tables in Chapters 4-6



# Using Appendix 1 as a Stand-alone Muscle Atlas



### **Definitions**

### **Abbreviations**

#### **Bones**

SP - Spinous Process of a vertebra

TVP - Transverse Process of a vertebra

C# - Cervical vertebrae (C1 - C7)

T# – Thoracic vertebrae (T1 - T12)

L# – Lumbar vertebrae (L1 – L5)

#### **Joints**

GH - Glenohumeral

HU - Humeroulnar

RU - Radioulnar

RC - Radiocarpal

CM - Carpometacarpal

MP or MCP - Metacarpophalangeal

PIP - Proximal Interphalangeal

DIP – Distal Interphalangeal

TF - Tibiofemoral

TC - Talocrural

TM - Tarsometatarsal

MP or MTP – Metatarsophalangeal

TMJ - Temporomandibular Joint

#### **Innervation**

N. - Nerve (example: Sciatic N.)

Cr.N. – Cranial Nerve (example: Cr.N. VII)

C1-C8 \\
T1-T12
L1-L5
S1-S5

Spinal segment where motor nerve roots emerge (see MMM pages 22-24)

### **Actions**

(assist) – The muscle assists the action, but is not a prime mover.

(may assist) – The muscle may assist, depending on strength requirements or relative bone angles.

# Actions - Axial Skeleton only

(see Chapter 5 introductory section)

**BL** – Bilateral contraction of a muscle





**UL** – Unilateral contraction of a muscle

**UL to the same side** – Muscle **rotates** the neck or spine to its own side of the body (ipsilateral).



**UL to the opposite side** – Muscle **rotates** the neck or spine to the other side of the body (contralateral).



Note that **lateral flexion** actions are always to the same side (ipsilateral).



### Other

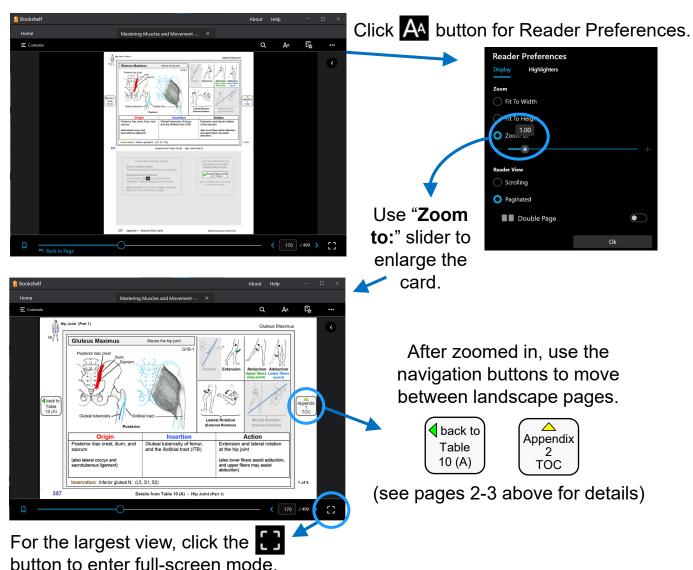
Muscle attachment is hidden from view, on the opposite side of the bone.



# VitalSource Bookshelf – Reading Landscape-Oriented Pages

Landscape pages are displayed in the top half of portrait-shaped pages.

As an example, here is a Muscle Detail Card viewed in the Bookshelf Windows app:



**Suggestion:** Try reading the entire book zoomed in as described above. On portrait pages, it's very easy to do a short scroll between the top and bottom of the page.

### Keyboard shortcuts when in full-screen mode (Windows app):

Scroll up and down on the current page: Use up & down arrow keys, or use mouse wheel or trackpad.

Go to next page or previous page: Ctrl-PageDown, Ctrl-PageUp