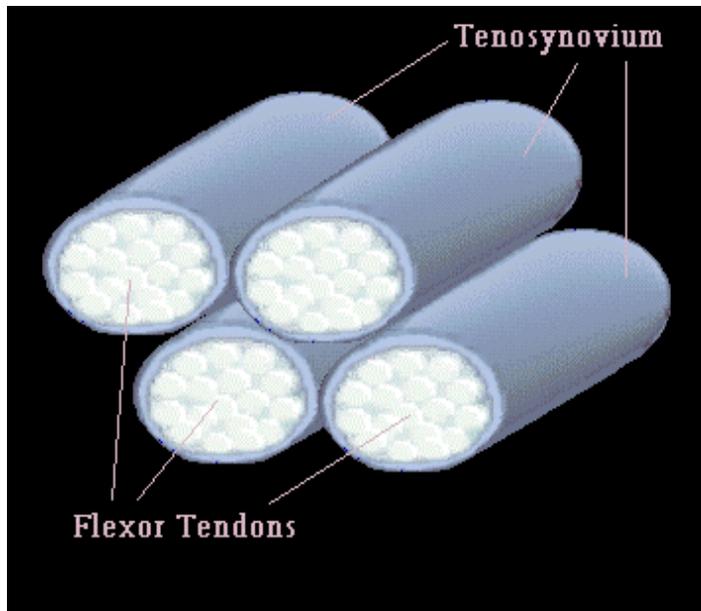
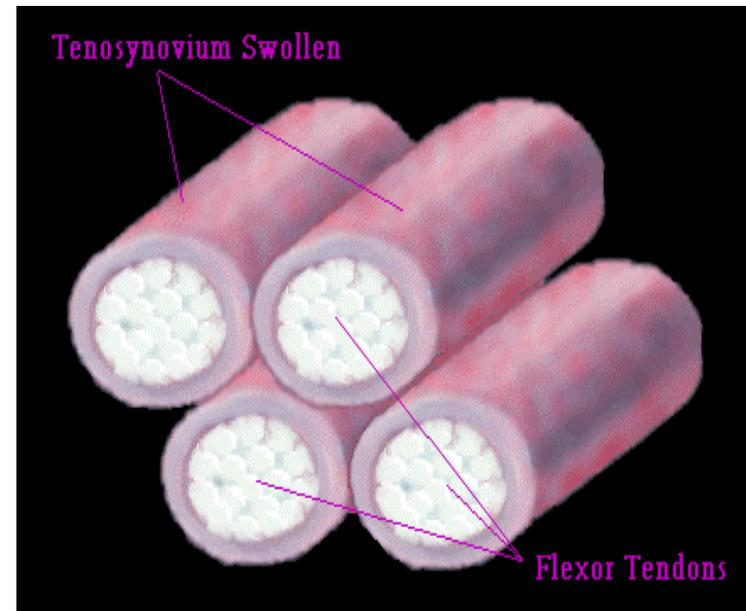


Tenosynovitis



Normal

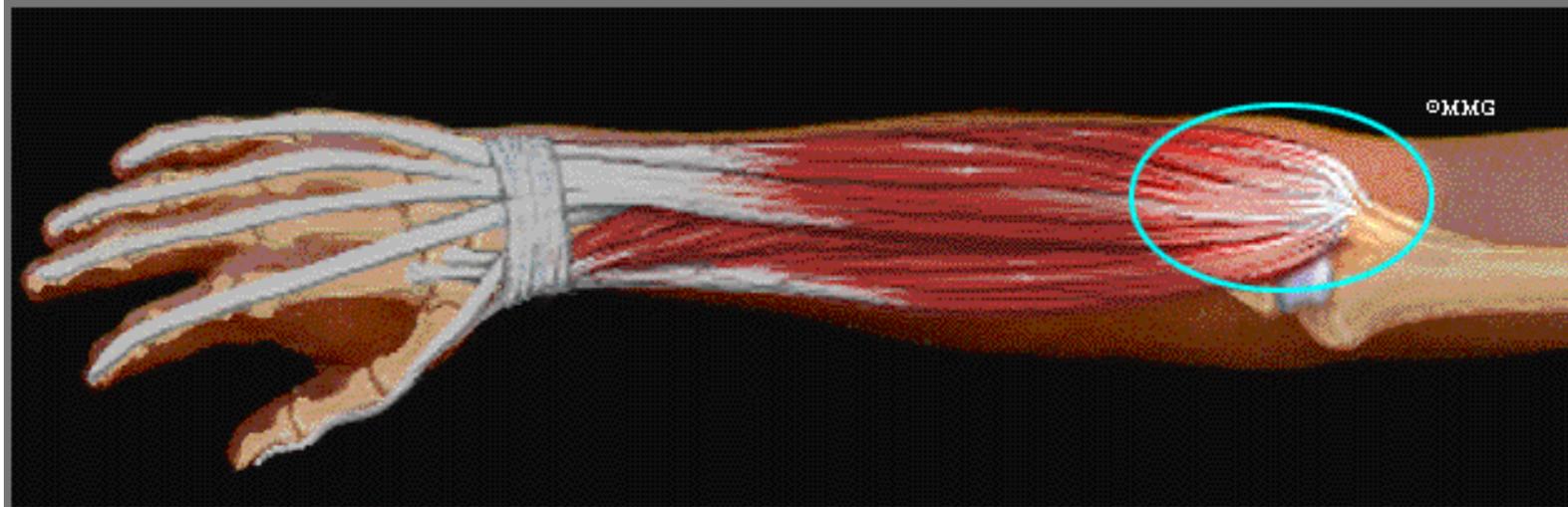
Medical Multimedia Group, 1997
<http://www.sechrest.com/mmg/cts/tenslid.gif>



Inflamed

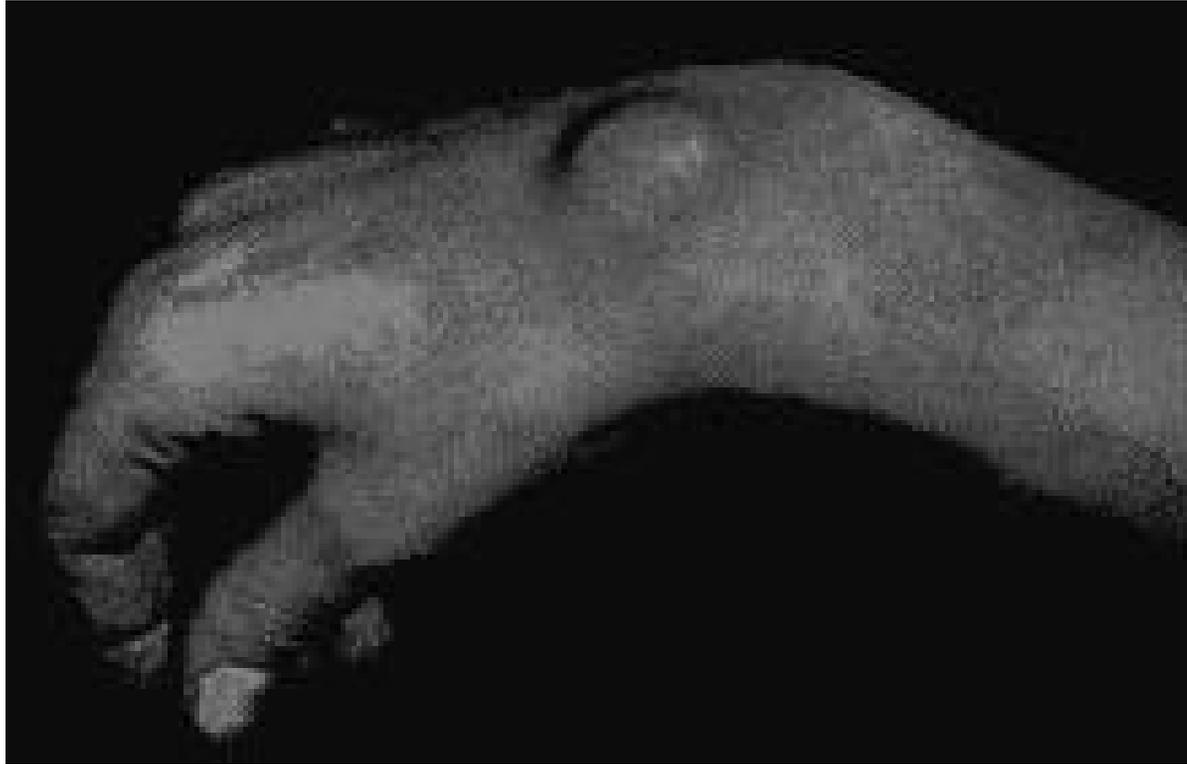
Medical Multimedia Group, 1997
<http://www.sechrest.com/mmg/cts/4tenswel.gif>

Lateral Epicondylitis (Tennis Elbow)



Medical Multimedia Group, 1997
<http://www.sechrest.com/mmg/ctd/latepi/latx.gif>

Ganglion Cyst

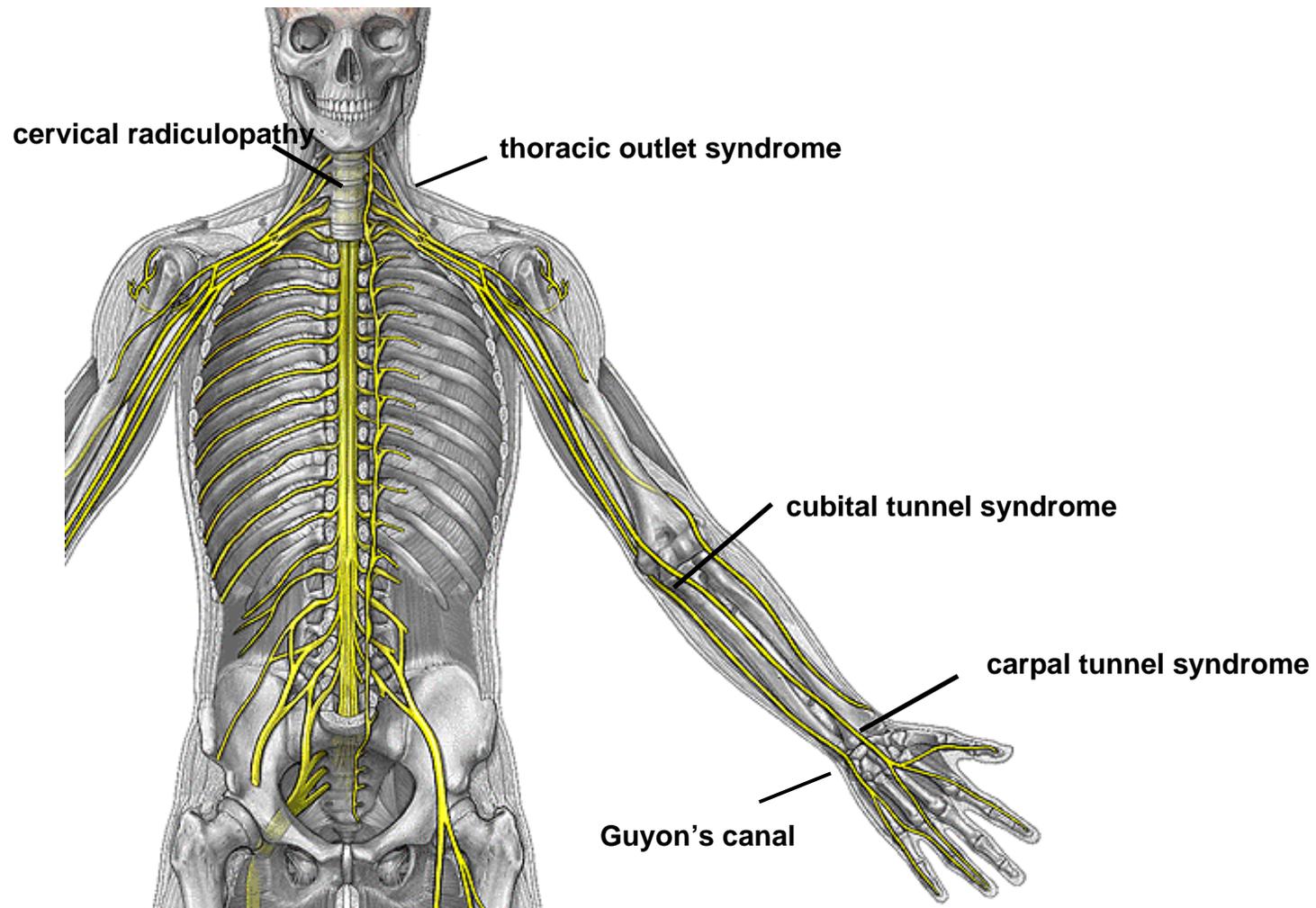


Gary M. Pess Hand & Travel Home Page
<http://www.monmouth.com/~gpess/ganglion.htm>

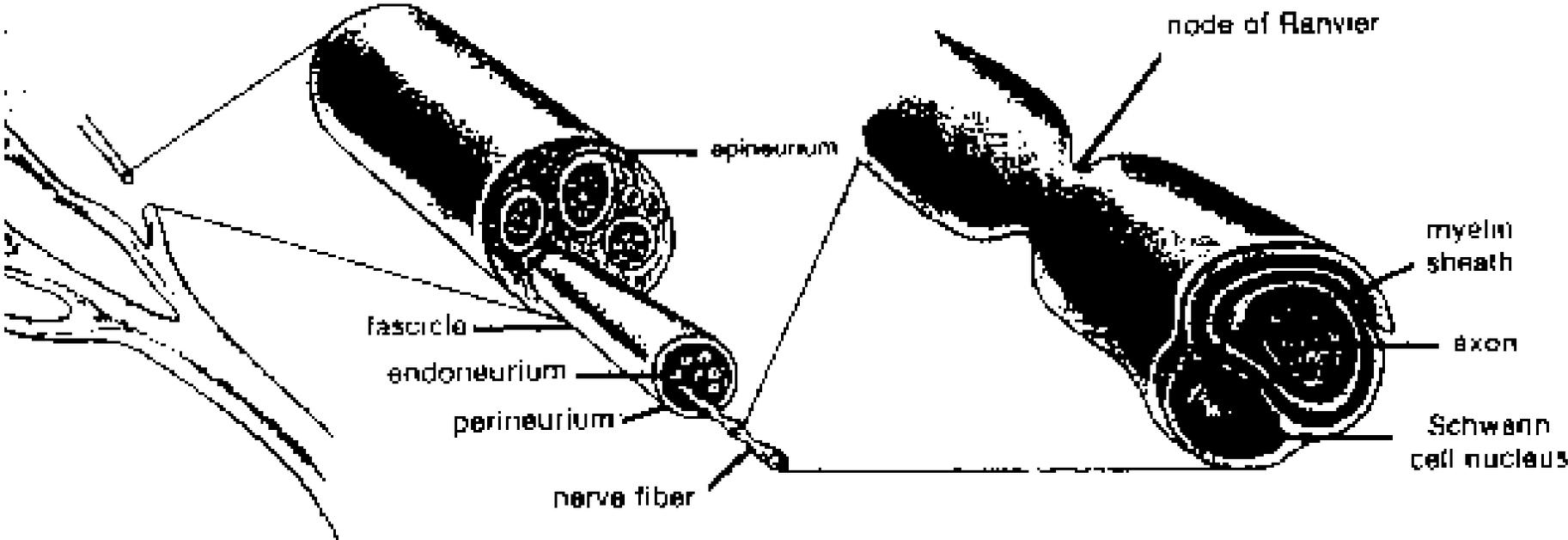
Nerve Disorders

- **The Nerve**
- **Nerve Entrapment**
- **Symptoms**

Nerve Injuries



Nerve Structure



Nerve trunk

Nerve

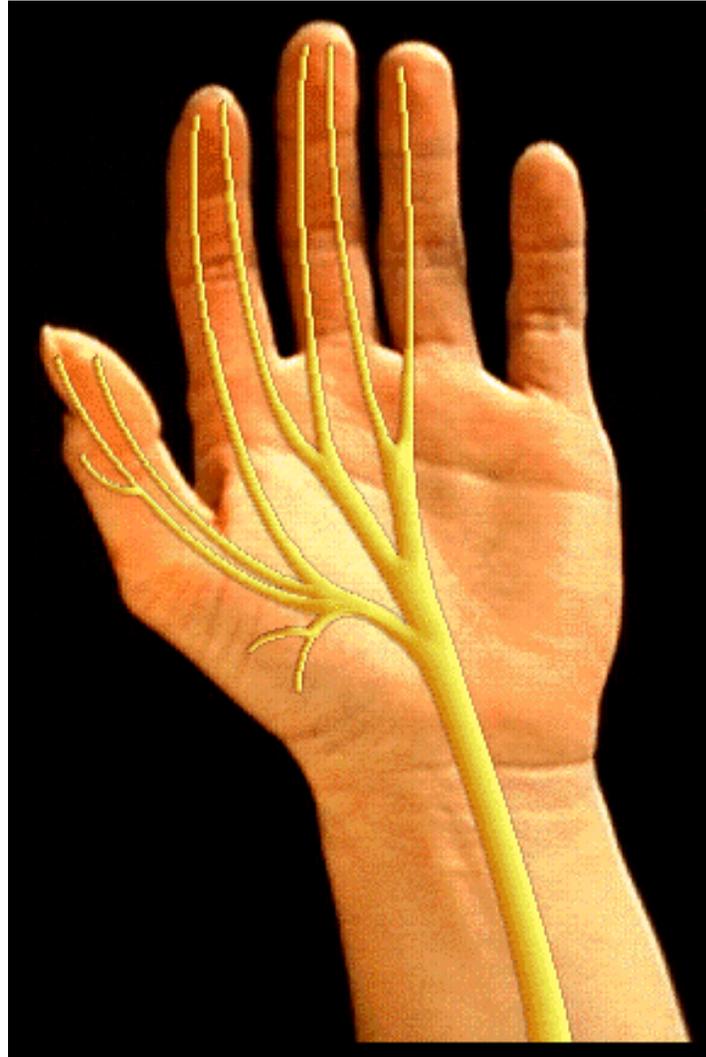
Myelinated Nerve Fiber

Putz-Anderson, 1994

Carpal Tunnel Syndrome (CTS)

- **Median Nerve at Wrist**
- **Irritation --> Swelling --> Nerve Entrapment**
- **Symptoms**
 - Pain
 - Numbness
 - Tingling
 - Night time pain

Median Nerve (CTS)



Medical Multimedia Group, 1997
<http://www.secrest.com/mmg/cts/hndnrv.gif>

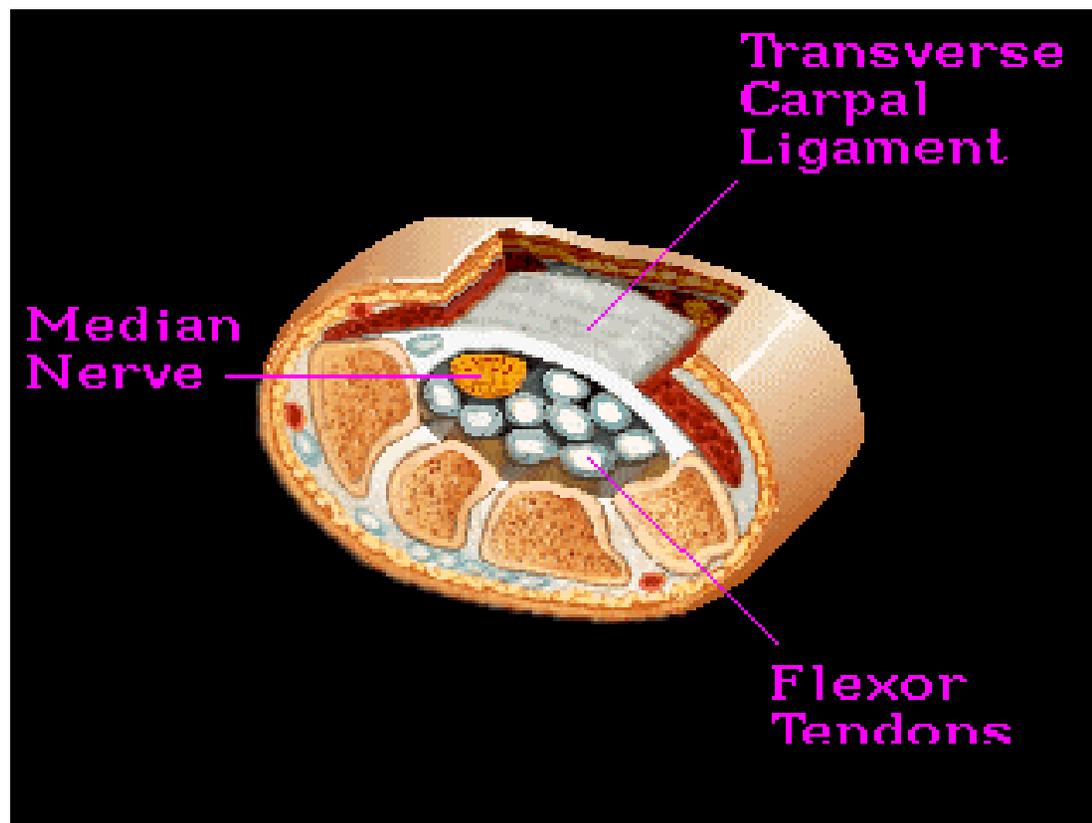
Carpal Tunnel Syndrome (CTS)



M.E.D.I.A., Inc., 1994
<http://www.immediate.com/media/cts.html>

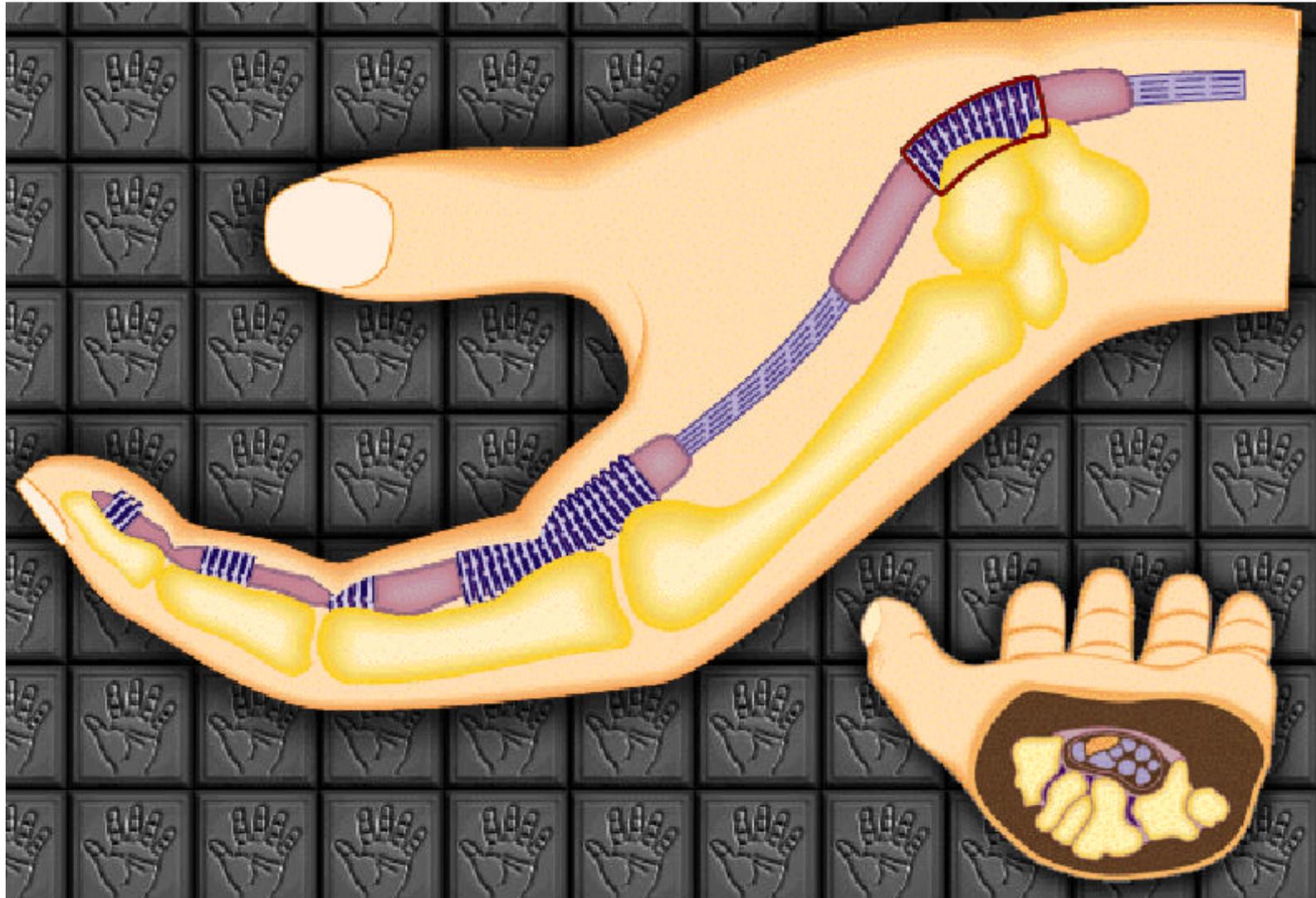
PNNL

Carpal Tunnel Syndrome (CTS)



M.E.D.I.A., Inc., 1994
<http://www.sechrest.com/mmg/cts/ctunfu2.gif>

Carpal Tunnel Syndrome (CTS)

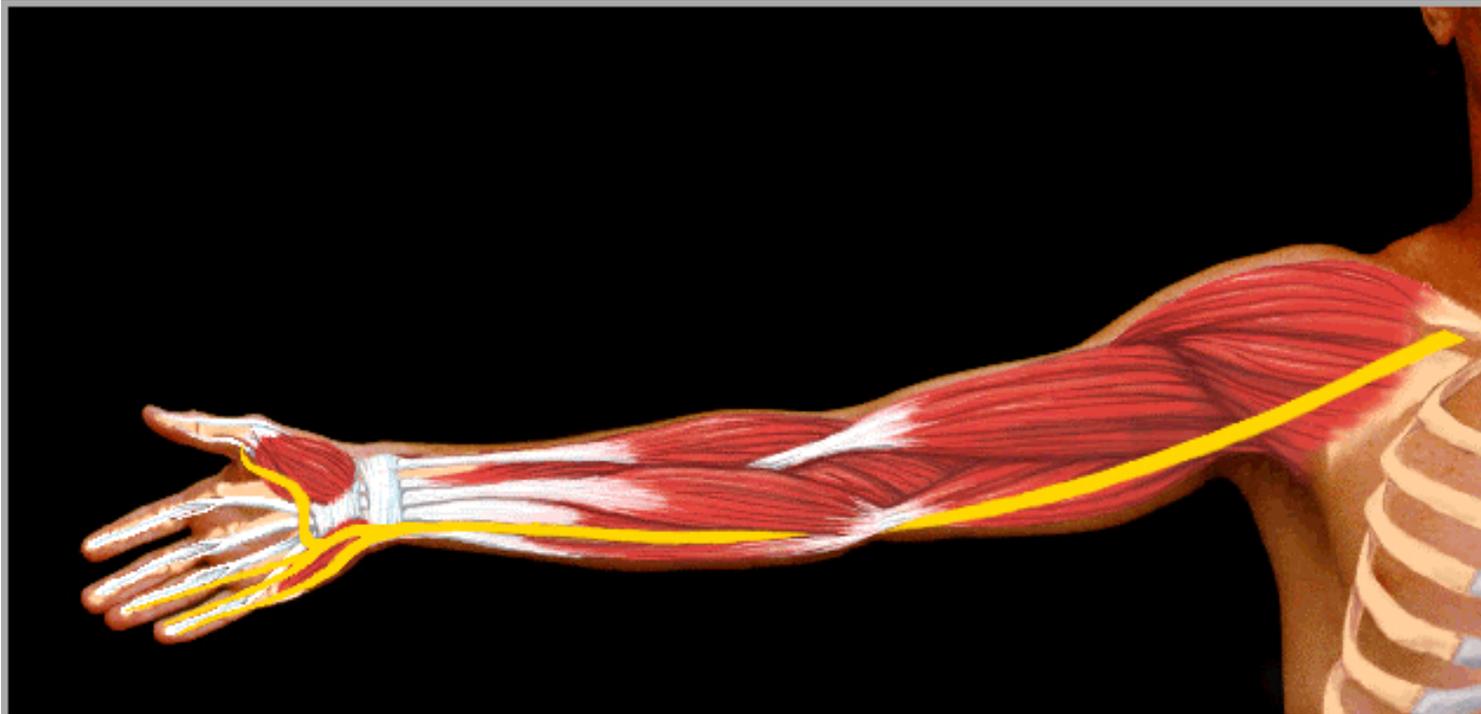


M.E.D.I.A., Inc., 1994
<http://www.immediate.com/media/cts.html>

PNNL

Ulnar Nerve

- **Cubital Tunnel Syndrome**
 - From working with bent elbows
 - Underarm pathway
 - Symptoms -- numbness, tingling, muscle atrophy, clawing



Medical Multimedia Group, 1997
<http://www.secrest.com/mmg/ctd/cubtun/arm.gif>

Ulnar Nerve

- **Guyon's Canal Syndrome**
 - “Ulnar Tunnel Syndrome” at wrist
 - From repeated radial deviation or dorsiflexion
 - Symptoms -- numbness/pain in 4/5 digits



Medical Multimedia Group, 1997
<http://www.sechrest.com/mmg/ctd/guyon8x.jpg>

Other Nerve Disorders

- **Radial Tunnel Syndrome**
 - Radial nerve at elbow
- **Pronator Teres Syndrome**
 - Median nerve at elbow
- **Cervical Syndrome (Radiculopathy)**
 - Nerve root compression
- **Digital Neuritis**
 - Fingers

Nerve/Circulation Problems

- **Thoracic Outlet Syndrome (TOS)**
 - Neurovascular Impingement Syndrome at various levels
 - » Scalenes, brachial plexus, cervical rib
 - Symptoms -- pain entire arm, numbness, coldness, weakness, muscle atrophy
- **Raynaud's Disease ("White Finger")**
 - Blood vessel constriction
 - Symptoms -- cold, pale fingers; sensitivity, tingling, numbness
 - Causes -- vibrating tools, TOS, arthritis, lupus