Thenar Eminence Muscle Assessment

“A Gold Mine Of Information”

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Thenar Muscle Anatomy
Thenar Muscle Anatomy
Defining This line
Thenar Muscle Anatomy
Thenar Muscle Anatomy
Thenar Muscle Anatomy
Thenar Muscle  Median Nerve Motor Supply
Thenar Muscle Ulnar Nerve Motor Supply
Muscle Wasting Patterns
Classic CTS
Muscle Wasting Pattern
Thenar Muscle Wasting
Ulnar Nerve Motor Distribution

Motor
- Adductor pollicis
- Flexor pollicis brevis
- 1st Dorsal interosseous
- 1st Palmar interosseous
- Third lumbrical
- Abductor
- Opponens
- Flexor
- digiti minimi
- Fourth lumbral
The Clinical Picture
Anconeus Epitrochlearis
The Floor
The Floor
Osborne’s Ligament
The Pacman Sign
Dynamic Flexion Impingement by Osborne’s Ligament
Dynamic Flexion Impingement by Osborne’s Ligament
UCL Injury / Ulnar Nerve Proximity
Guyons Canal Ulnar Nerve Correct Orientation
Guyon’s Canal Mass
Guyon’s Canal Mass

RT ULNAR N IN GUYON'S CANAL
Guyon’s Canal Compression

Palmar Carpal Ligament

<table>
<thead>
<tr>
<th>Dist</th>
<th>Measurement</th>
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<tbody>
<tr>
<td>A</td>
<td>1.0 mm</td>
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<tr>
<td>B</td>
<td>0.8 mm</td>
</tr>
<tr>
<td>C</td>
<td>0.8 mm</td>
</tr>
<tr>
<td>D</td>
<td>0.7 mm</td>
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<tr>
<td>E</td>
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Guyon’s Canal Compression
Guyon’s Canal Ganglion
Ulnar Nerve Thenar Muscle Atrophy Pattern
Interosseous Muscle Atrophy
Recurrent Motor Branch of Median Nerve Anatomy
Recurrent Motor Branch of Median Nerve Anatomy

“The Hook”
Recurrent Motor Branch of Median Nerve Anatomy

From the Hook, Across the Thenar Eminence with the Hockey Stick Transducer
Swollen Recurrent Motor Branch of Median Nerve
Swollen Left Recurrent Motor Branch of Median Nerve
Unusual Muscle Wasting Pattern
UCL Tear and Opponens Pollicis
UCL Tear and Opponens Pollicis
Abductor Pollicis Tear
Opponens Pollicis Tear
1st MCP: RCL/ UCL / Opponens Pollicis Injury
Opponens Pollicis Tear

RT OPPONENS POLL.
Superficial Head of FPB Tear Involving RCL
Thenar Eminence Lipoma
Inflammatory Spread
Inflammatory Spread
Happy Scanning

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Stay in Touch

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