Suprascapular nerve entrapment
Clinical outcome in 30 cases
Pereira P, Fernández E, Daroda S, Menville F, Cosentino R
Clínica de la Mano GAMMA, La Plata, Argentina

Introduction
• Uncommon clinical diagnosis.
• Possible diagnosis in patients with pain, weakness and/or atrophy at posterolateral region of the shoulder.

Objective
• To report clinical outcome after suprascapular nerve decompression at the suprascapular notch.

Methods
• Retrospective study in 30 patients.
• From 2010 to 2016.
• Open release of superior transverse ligament at the suprascapular notch.
• Mean age 52 years. 60 % women.
• All cases presented deep posterolateral shoulder pain. 2 cases hipotrophy of supraespinatus muscle.
• Mean time of symptomatology: 15 months.
• Rx and MRI.
• Electromyogram (100% sensibility)

Results
• Mean follow-up 31 months (12-72 m).
• 93 % immediate pain relief. 100 % without pain after 4 months.
• All patients were satisfied with treatment.

<table>
<thead>
<tr>
<th></th>
<th>Preop</th>
<th>Postop</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAS score</td>
<td>8.43</td>
<td>0.86</td>
</tr>
<tr>
<td>ASES score</td>
<td>22.32</td>
<td>84.6</td>
</tr>
</tbody>
</table>

Conclusion
• Suprascapular nerve release at suprascapular notch is an effective procedure for immediate pain relief.