Ultrasound-guided Procedures for Pelvic Pain

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The Aix-Lyon-Strasbourg Pelvic Pain Diagnostics and Procedures Meeting
Aix-en Provence, France
Jan 8-9, 2009

Chronic Pelvic Pain

Border nerve syndrome
- Ilioinguinal nerve
- Iliohypogastric nerve
- Genitofemoral nerve
Piniformis syndrome
Pudendal neuralgia

Pudendal Nerve Block

Transvaginal route
Transperineal route
Transgluteal route
- Electrophysiological
- CT
- Fluoroscopy
- US

Feasibility of Real-Time Ultrasounds for Pudendal Nerve Block in Patients with Chronic Perineal Pain

Ayman Refaat, M.D., Philip Peng, M.B.B.S., F.R.C.P.C., Bab Louis, M.D., and Vincent Chan, M.D., F.R.C.P.C.

Reg Anesth Pain Med 2008; 33:139-145

Published on www.pudendal.com the 25th January 2009
RCT US vs. XR

Sensory block
Time
Sciatic N spill
Visualization
Pudendal nerve
Pudendal Artery
Sciatic nerve
STL
SSL

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RCT US vs. XR

Fluoroscopy
Ultrasound
Sensory block
Ø block in 2/13
All blocked
Time (SE)
3.4 ±0.3 min
7.5 ± 0.5min
Sciatic N spill
3/13
2/13

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RCT US vs. XR

<table>
<thead>
<tr>
<th>Visibility</th>
<th>Good</th>
<th>Fair</th>
<th>Poor</th>
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</thead>
<tbody>
<tr>
<td>Pudendal A</td>
<td>5</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td>Pudendal N</td>
<td>3</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Sciatic N</td>
<td>8</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>STL</td>
<td>7</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>SSL</td>
<td>8</td>
<td>5</td>
<td>0</td>
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</tbody>
</table>

<1cm from ischial spine: 38%; > 1cm from ischial spine: 62%

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Border Nerves Syndromes

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Border Nerves Syndromes

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Ilioinguinal & Iliohypogastric Nerve

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Ilioinguinal & Iliohypogastric Nerve

Genitofemoral Nerve

Piriformis Muscle.

Anatomy

Published on www.pudendal.com the 25th January 2009