Cryoneurolysis of dorsal penile nerve for treatment of premature ejaculation

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Many options to treat ED, but just few for premature ejaculation.

- Behavioral techniques (Masters and Jonson)
- Topical anesthetics (Shapiro)
- SSRI (dapoxetine) (Waldinger)
- Surgery
Target of PE surgery is dorsal nerve of the penis

- Hyaluronic biopolimer’s injection
- BOTOX injection
- Selective neurotomy or cryosurgery
Target of PE surgery is dorsal penile nerve

Selective penile dorsal neurotomy

+ it works

- It could cause ED, neuroma
Equipment for PE cryosurgery:

**Device:**
Cryo-S Electric

- Circumcision set;
- Small forceps
- Operating microscope

**Probe:** best probe for open procedure is short (30 mm), thin (1 mm) probe with round tip

Type: OP-L008/RF

Order/ref. no.: 06401011

Reusable, straight, detachable, round tip Ø1mm

Microcryoprobe for cryoanalgesia
OPERATION TECHNIQUE:
1. Open the penis shaft
2. Open the dorsal nerves
3. Perform freezing of 50 – 80% dorsal penile nerves two or three times each (1 min freezing/1 min defrosting)
**How can we evaluate PE severity?**

**Intravaginal Ejaculation Latency Time**

**Questionnaires**

**Bulbo-cavernous reflex**

### Premature ejaculation symptoms score (PESS)

<table>
<thead>
<tr>
<th></th>
<th>Not difficult</th>
<th>A little hard</th>
<th>Hard enough</th>
<th>Very hard</th>
<th>Extremely hard</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>How hard is it for you to delay your ejaculation?</strong></td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td><strong>Do you have ejaculation before you wish?</strong></td>
<td>Never</td>
<td>Less than in 25% cases</td>
<td>In a half cases</td>
<td>More than in 75% cases</td>
<td>Always</td>
</tr>
<tr>
<td><strong>Do you ejaculate even after minimal stimulation?</strong></td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td><strong>Do you feel upset because of ejaculation before your wish?</strong></td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td><strong>How much is your partner sexually unsatisfied because of your premature ejaculation?</strong></td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td><strong>How many coituses of 10 was finished with premature ejaculation?</strong></td>
<td>0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**IELT**

- More than 5 min.
- 2 – 5 minutes
- Less than 2 min.
- Less than 1 min.
- Before penetration

**How long does your sexual intercourse last?**

- 0, 1, 2, 3

**QOL**

- Well
- Normally
- Not very well
- Badly
- Very badly

**What would you think of the fact, that you would live with this problem all your life?**

- 0, 1, 2, 3, 4
Intravaginal Ejaculation Latency Time (sec)

Before: 97,36
After: 216

Let’s perform multicenter trial together!
E-mail: mirkom@yandex.ru; Phone: +7 928 884 99 12
Indications and contraindications for cryoneurolisis of dorsal penile nerve:

- Positive test with topic anesthetics
- Positive test with self-injection of 1% lidocaine into the projection of dorsal penile nerve
- Severe erectile dysfunction
- Ejaculation before vaginal penetration
- Negative results of self-injection or topical anesthetic tests
- Inadequate patient
- Infrequent sexual intercourses
Why cryosurgery?

• Effective
• Reversible
• Safe
• Easy