Embolization in erectile dysfunction due to venous leakage

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Disclosure

Speaker name:
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I have the following potential conflicts of interest to report:
- Consulting
- Employment in industry
- Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s)

☑️ I do not have any potential conflict of interest
erectile dysfunction: definition

recurrent inability to achieve and maintain an erection satisfactory for sexual intercourse

great spectrum of potential causes

venous leakage as one vascular cause

smooth muscle dysfunction without building a resistance to venous outflow
technique for embolization

- transfemoral venous
- deep dorsal vein
- F4/F5-sheath
- RIM 4F
- microcatheter
- detachable coils
- glue
- ethanol / ethoxysclerol
1. pharmaco-cavernosography
2. embolization
## the recent literature

<table>
<thead>
<tr>
<th>author</th>
<th>n</th>
<th>approach</th>
<th>technical</th>
<th>clinical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Herwig 2015</td>
<td>96</td>
<td>deep dorsal vein</td>
<td>n.a.</td>
<td>80.2%</td>
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<tr>
<td>Rebonato 2014</td>
<td>18</td>
<td>deep dorsal vein</td>
<td>88.8%</td>
<td>81%</td>
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<tr>
<td>Aschenbach 2013</td>
<td>29</td>
<td>transfemoral</td>
<td>93.1%</td>
<td>88.8%</td>
</tr>
<tr>
<td>Miwa 2001</td>
<td>10</td>
<td>deep dorsal vein</td>
<td>n.a.</td>
<td>70%</td>
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<tr>
<td>Nakata 2000</td>
<td>23</td>
<td>deep dorsal vein</td>
<td>99%</td>
<td>87%</td>
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<tr>
<td>Peskircioglu 2000</td>
<td>32</td>
<td>deep dorsal vein</td>
<td>n.a.</td>
<td>68.7%</td>
</tr>
</tbody>
</table>
Conclusion

• embolization is safe and effective
• high technical success rates
• no risk of neural injury
• repeatable procedure
• outpatient setting possible

• radiation dose
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