The Safety Of Coil Embolization Of Pelvic Veins And Subsequent Pregnancy

Barrie Price

Background

- Prevalence PVR contributing to leg varicose veins:
  - 1 in 7 (14%) women
  - 1 in 5 (20%) if had pregnancies

Causes of recurrent varicose veins

<table>
<thead>
<tr>
<th>Females with children no hysterectomy:</th>
<th>Group (n=111)</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neovascular tissue</td>
<td>63</td>
<td>56.8%</td>
</tr>
<tr>
<td>Pelvic Veins</td>
<td>37</td>
<td>33.3%</td>
</tr>
<tr>
<td>Incompetent Perforating Veins (IPV)</td>
<td>36</td>
<td>32.4%</td>
</tr>
<tr>
<td>Missed or &quot;De Novo&quot; vein reflux</td>
<td>35</td>
<td>31.5%</td>
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<tr>
<td>Inadequate operation</td>
<td>12</td>
<td>10.8%</td>
</tr>
<tr>
<td>Previously untreated veins</td>
<td>7</td>
<td>6.3%</td>
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Distribution of PVR

No IIV Reflux
Patients and Methods

- All patients with PVE pre 2008 contacted
- 8 Patients:
  - Age: 32–48y – mean 38.8
  - Pre-PVE parity:
    - 1-5 children – mean 2.8
  - Mean interval delivery to post preg TVS:
    - 38.9 months (range 7–82)

Patients

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Results

- Small study:
  - but little information available
- No complications due to pregnancy:
  - such as symptomatic coil migration
- 2 patients = No change and remain reflux free
- 1 patient = New reflux asymptomatic
- 5 patients = New symptomatic reflux

Conclusion

- Coil embolization of Pelvic Veins:
- Safe during subsequent pregnancies
- Associated with high recurrent reflux
- Patients should be warned reflux might recur if there is a subsequent pregnancy