VARICOCELE
EMBOLIZATION

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UP TO 15 PERCENT OF COUPLES ARE INFERTILE. IN OVER A THIRD OF THESE COUPLES, MALE INFERTILITY PLAYS A ROLE
First recognized as a clinical problem in 16th century

relationship between infertility and varicocele proposed in late 19th century

thereafter, others reported association with arrest of sperm secretion and the subsequent restoration of fertility following repair
## SEMEN ANALYSIS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Lower Reference Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semen volume (ml)</td>
<td>1.5</td>
</tr>
<tr>
<td>Sperm concentration (10^6/ml)</td>
<td>15</td>
</tr>
<tr>
<td>Total sperm number (10^6/ejaculate)</td>
<td>39</td>
</tr>
<tr>
<td>Progressive motility (PR, %)</td>
<td>32</td>
</tr>
<tr>
<td>Total motility (PR +NP, %)</td>
<td>40</td>
</tr>
<tr>
<td>Vitality (live sperms, %)</td>
<td>58</td>
</tr>
<tr>
<td>Sperm morphology (NF, %)</td>
<td>4</td>
</tr>
<tr>
<td>pH*</td>
<td>&gt;/=7.2</td>
</tr>
<tr>
<td>Leucocyte* (10^6/ml)</td>
<td>&lt;1</td>
</tr>
<tr>
<td>MAR/Immunobead test* (%)</td>
<td>&lt;50</td>
</tr>
</tbody>
</table>
Scrotal Pain...... negative semen culture

BE CAREFULL
Aethoxysklerol® 3%

5 x 2 ml Ampoules/Ampollas
Solution for injection (IV) for sclerotherapy of varices and hemorrhoids
Solution injectable (I.V.) pour sclérose les varices et hémorroides
Solución inyectable (IV) para oblitéración de varices y de hemorroides

FIBROVEIN™ 3% Solution for Injection
Each ml of solution for injection contains 30mg Sodium Tetradecyl Sulfate
Each 2ml ampoule contains 60mg Sodium Tetradecyl Sulfate
Give by intravenous injection. Read package leaflet before use.
Total dose per patient per session should not exceed 4 ml liquid or 16 ml foam.
Before administration, health professionals should carefully check the list of contra-indications and warnings in section 4.3 and 4.4 of the SmPC.
KEEP OUT OF THE SIGHT AND REACH OF CHILDREN

STD Pharmaceutical Products Ltd.,
Plough Lane, Hereford, HR4 0EL. UK
Conclusion

The treatment of clinical varicocele for infertile men, either by sub-inguinal microsurgery approach or percutaneous embolization shows globally equivalent outcomes, notably in terms of sperm quality, pregnancy rate and satisfaction. However, after PE recovery time is faster and pain is less than sub-inguinal microsurgery.
VARICOCELE EMBOLIZATION

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