Untreated Obstructive Sleep Apnea (OSA) has Severe Consequences

OSA severity greatly affects mortality and morbidity. The all-cause mortality risk for patients with untreated severe OSA is nearly four times that for patients without OSA. Untreated severe OSA increases the risk of fatal and non-fatal cardiovascular events by nearly three times or more compared with healthy individuals.

Modern Tongue Suspension is Highly Effective for Reducing OSA Severity

Literature Supporting Tongue suspension as a treatment for OSA was first published in 2000. The success rates of tongue suspension have improved over the early experience and so a comprehensive literature review looking at all publications from 2005 and onward found ten published studies for tongue suspension with 280 patients were found. A summary of results, broken down for tongue base treatment only and for tongue suspension performed with an uvulopalatopharyngoplasty (UPPP):

<table>
<thead>
<tr>
<th></th>
<th>N</th>
<th>AHI reduction</th>
<th>Surgical Success</th>
<th>ESS reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tongue Suspension w/ UPPP</td>
<td>204</td>
<td>65%</td>
<td>73%</td>
<td>6.4</td>
</tr>
<tr>
<td>Tongue Suspension</td>
<td>76</td>
<td>48%</td>
<td>61%</td>
<td>3.8</td>
</tr>
</tbody>
</table>

Long-term (studies with follow up of one year or greater) surgical success was 75%. Tongue suspension, performed on a standalone basis or combined with a UPPP consistently achieves strong objective and subjective results for patients, comparable or better than effects seen with more invasive and morbid interventions.

Conclusion

Nearly ten years of evidence consistently demonstrates that tongue suspension with and without a UPPP has high surgical success rates, is very effective at reducing OSA severity, and positively impacts a patient’s quality of life.

The Encore™ System

The most advanced and easy to use tongue suspension technology available.
Tongue Suspension is Highly Effective & Minimally-Invasive

References


