PRECISION GOLD Results

PRECISION GOLD was a multi-centre, prospective study demonstrating a 2.1% asymptomatic cerebral embolism (ACE) rate with PVAC GOLD, amongst the lowest of any AF ablation technology.

Study Design

- ERACE\(^1\) trial previously demonstrated a low rate of ACE with PVAC\(^*\) after simple procedural changes
- PRECISION GOLD treated 51 patients indicated for AF ablation with PVAC\(^*\) GOLD at 10 experienced European centers
- PVAC GOLD 9-electrode design eliminates electrode 1:10 interaction, a significant contributor to ACE with PVAC\(^2\)
- Cerebral MRI scans performed pre- and post- ablation to assess incidence of new post-procedural findings

Safety and Effectiveness:

- 3.9% (2/51) adverse events (1 pericarditis and 1 groin pseudoaneurysm) resolved without intervention
- 97% (197/204) of veins acutely isolated using only PVAC GOLD

Efficiency:

- PVAC GOLD has improved efficiency and energy delivery compared to PVAC\(^4\)

<table>
<thead>
<tr>
<th></th>
<th>PRECISION GOLD</th>
<th>PVAC</th>
<th>p Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Procedure time</td>
<td>104 ± 31 min</td>
<td>100 ± 35 min</td>
<td>p=0.5375</td>
</tr>
<tr>
<td>LA dwell time</td>
<td>60 ± 18 min</td>
<td>64 ± 27 min</td>
<td>p=0.3007</td>
</tr>
<tr>
<td>Fluoroscopy time</td>
<td>16 ± 7 min</td>
<td>-</td>
<td></td>
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<tr>
<td>RF applications</td>
<td>20 ± 10</td>
<td>29 ± 16</td>
<td>p=0.0010</td>
</tr>
</tbody>
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Average Energy Delivered per Ablation

**PRECISION GOLD**

Average Energy Delivered: 220 J

**PVAC**

Average Energy Delivered: 197 J

\(^1\) ERACE
\(^2\) Herrera-Siklody
\(^3\) Gaita
\(^4\) PVAC GOLD
Summary of ACE Rates Across Technologies


References

Caution Clinical result across studioprotocols may not be comparable.
All studies included 1,5T MRI scanner and used a consistent lesion definition as per Gaita/Herrara-Siklody (DWI + ADC + FLAIR)