Supplementary Table 1. Standardized difference of baseline characteristics according to general anesthesia or non-general anesthesia before and after PSM and IPTW

<table>
<thead>
<tr>
<th></th>
<th>Overall cohort</th>
<th>PSM cohort</th>
<th>IPTW cohort</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>10.5</td>
<td>-2.2</td>
<td>-0.5</td>
</tr>
<tr>
<td>Sex</td>
<td>7.5</td>
<td>-4.4</td>
<td>-0.2</td>
</tr>
<tr>
<td>Baseline pc-ASPECTS</td>
<td>-11.2</td>
<td>-7.1</td>
<td>0.5</td>
</tr>
<tr>
<td>ASITN/SIR grade</td>
<td>1.3</td>
<td>-2.7</td>
<td>0.7</td>
</tr>
<tr>
<td>Systolic blood pressure on admission</td>
<td>-12.5</td>
<td>8.7</td>
<td>0.3</td>
</tr>
<tr>
<td>Diastolic blood pressure on admission</td>
<td>-9.0</td>
<td>6.1</td>
<td>0.1</td>
</tr>
<tr>
<td>Baseline NIHSS score</td>
<td>-13.1</td>
<td>3.5</td>
<td>-0.3</td>
</tr>
<tr>
<td>Baseline GCS score</td>
<td>18.9</td>
<td>2.9</td>
<td>-1.0</td>
</tr>
</tbody>
</table>

**Medical history**

<table>
<thead>
<tr>
<th></th>
<th>Overall cohort</th>
<th>PSM cohort</th>
<th>IPTW cohort</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atrial fibrillation</td>
<td>-4.6</td>
<td>-2.2</td>
<td>0.3</td>
</tr>
<tr>
<td>Hypertension</td>
<td>6.3</td>
<td>1.1</td>
<td>-0.9</td>
</tr>
<tr>
<td>Hyperlipidaemia</td>
<td>-4.8</td>
<td>-1.5</td>
<td>0.3</td>
</tr>
<tr>
<td>Diabetes mellitus</td>
<td>6.6</td>
<td>0.7</td>
<td>-1.0</td>
</tr>
<tr>
<td>Ischemic stroke or TIA</td>
<td>-14.2</td>
<td>4.2</td>
<td>-0.2</td>
</tr>
<tr>
<td>Coronary heart disease</td>
<td>-11.1</td>
<td>0.5</td>
<td>-0.1</td>
</tr>
<tr>
<td>Stroke causative mechanism</td>
<td>-0.7</td>
<td>-4.2</td>
<td>0.1</td>
</tr>
</tbody>
</table>

**Occlusion sites**

<table>
<thead>
<tr>
<th></th>
<th>Overall cohort</th>
<th>PSM cohort</th>
<th>IPTW cohort</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intravenous thrombolysis</td>
<td>-5.1</td>
<td>-4.2</td>
<td>-1.1</td>
</tr>
<tr>
<td>Stroke onset to puncture</td>
<td>1.5</td>
<td>-1.9</td>
<td>0.1</td>
</tr>
<tr>
<td>Stroke onset to reperfusion</td>
<td>-3.3</td>
<td>-1.7</td>
<td>0.1</td>
</tr>
</tbody>
</table>

PSM, propensity score matching; IPTW, inverse probability of treatment weighting; pc-ASPECTS, posterior circulation Acute Stroke Prognosis Early Computed Tomography Score; ASITN/SIR, the American Society of Interventional and Therapeutic Neuroradiology/Society of Interventional Radiology collateral score; NIHSS, National Institutes of Health Stroke Scale; GCS, Glasgow Coma Scale; TIA, transient ischemic attack.