### Supplement 8

Sensitivity to diagnosis PsA vs PsO or PsO vs OA according to DCE-MRI flow outcomes and ultrasound flow and scaled measurement outcomes.

<table>
<thead>
<tr>
<th>Metric</th>
<th>AUC (CI 95%)</th>
<th>Cut-off value</th>
<th>Above cut-off</th>
<th>AUC (CI 95%)</th>
<th>Cut-off value</th>
<th>Above cut-off</th>
<th>PsA vs PsO</th>
<th>PsA</th>
<th>PsO</th>
<th>PsA vs OA</th>
<th>Full group</th>
<th>PsA</th>
<th>OA</th>
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<tr>
<td>Flow ME*nVOXEL</td>
<td>0.59 (0.47 to 0.68)</td>
<td>426.65</td>
<td>168 (86 %)^</td>
<td>33 (69 %)</td>
<td>0.55 (0.47 to 0.63)</td>
<td>1034.55</td>
<td>84 (43 %)*</td>
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<td>11 (21 %)</td>
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<td>Flow IRE*nVOXEL</td>
<td>0.41 (0.29 to 0.52)</td>
<td>2.56</td>
<td>146 (83 %)*</td>
<td>27 (77 %)§</td>
<td>0.65 (0.56 to 0.74)</td>
<td>3.93</td>
<td>127 (72 %)*</td>
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<td></td>
<td>19 (40 %)#</td>
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<tr>
<td>Extensor tendon thickness (mm)</td>
<td>0.49 (0.39 to 0.58)</td>
<td>0.55</td>
<td>172 (86 %)</td>
<td>35 (73 %)</td>
<td>0.48 (0.39 to 0.56)</td>
<td>0.85</td>
<td>23 (12 %)</td>
<td>4 (8 %)</td>
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<tr>
<td>Flexor tendon thickness (mm)</td>
<td>0.46 (0.38 to 0.54)</td>
<td>0.95</td>
<td>60 (30 %)</td>
<td>10 (23 %)</td>
<td>0.44 (0.36 to 0.53)</td>
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<tr>
<td>Nail bed thickness (mm)</td>
<td>0.40 (0.31 to 0.49)</td>
<td>2.15</td>
<td>37 (19 %)</td>
<td>8 (18 %)</td>
<td>0.52 (0.43 to 0.61)</td>
<td>1.25</td>
<td>175 (88 %)</td>
<td>40 (77 %)</td>
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<tr>
<td>Nail matrix thickness (mm)</td>
<td>0.52 (0.43 to 0.62)</td>
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<td>154 (77 %)</td>
<td>30 (68 %)</td>
<td>0.44 (0.36 to 0.53)</td>
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<tr>
<td>Nail thickness (mm)</td>
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<td>67 (34 %)</td>
<td>12 (27 %)</td>
<td>0.53 (0.44 to 0.61)</td>
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<tr>
<td>Doppler max ratio</td>
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<td>0.837</td>
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<tr>
<td>Doppler min ratio</td>
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<td>1 (2 %)</td>
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<td>25 (48 %)</td>
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Table 3: Indeholder table 7 fra SAP

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<th>PsA (n=200*)</th>
<th>PsO (n=44*)</th>
<th>OA (n=52*)</th>
<th>Healthy (n=124*)</th>
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<td>US-Doppler. n (%)</td>
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<td>US-AJS score. n (%)</td>
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<td>30 (68.2%)</td>
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<td>119 (96.0%)</td>
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<td>6</td>
<td>1 (0.5%)</td>
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</table>

*number of joints – 4 per participant
<table>
<thead>
<tr>
<th>Table 3a</th>
<th>PsA mean (SE)</th>
<th>Diagnosis</th>
<th>Mean (SE)</th>
<th>Mean difference, mm</th>
<th>CI 95 %</th>
<th>P-value</th>
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</thead>
<tbody>
<tr>
<td><strong>US Ext. tendon thickness, mm</strong></td>
<td>0.669 (0.013)</td>
<td>OA</td>
<td>0.673 (0.025)</td>
<td>-0.004</td>
<td>-0.059 to 0.051</td>
<td>0.88</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PsO</td>
<td>0.682 (0.027)</td>
<td>-0.013</td>
<td>-0.072 to 0.056</td>
<td>0.67</td>
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<tr>
<td></td>
<td></td>
<td>Healthy</td>
<td>0.567 (0.016)</td>
<td>0.102</td>
<td>0.062 to 0.142</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td><strong>US Flex. Tendon thickness, mm</strong></td>
<td>0.846 (0.022)</td>
<td>OA</td>
<td>0.888 (0.043)</td>
<td>-0.042</td>
<td>-0.138 to 0.054</td>
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<td></td>
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<td>PsO</td>
<td>0.871 (0.047)</td>
<td>-0.025</td>
<td>-0.128 to 0.079</td>
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<tr>
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<td>Healthy</td>
<td>0.746 (0.029)</td>
<td>0.101</td>
<td>0.029 to 0.173</td>
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<tr>
<td><strong>US nail matrix thickness, mm</strong></td>
<td>2.061 (0.055)</td>
<td>OA</td>
<td>2.119 (0.107)</td>
<td>-0.058</td>
<td>-0.297 to 0.181</td>
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<td>PsO</td>
<td>2.016 (0.117)</td>
<td>0.045</td>
<td>-0.211 to 0.301</td>
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<td>Healthy</td>
<td>1.871 (0.070)</td>
<td>0.190</td>
<td>0.014 to 0.366</td>
<td>0.034</td>
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<tr>
<td><strong>US nail bed thickness, mm</strong></td>
<td>1.769 (0.051)</td>
<td>OA</td>
<td>1.704 (0.1)</td>
<td>0.065</td>
<td>-0.157 to 0.287</td>
<td>0.565</td>
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<td>PsO</td>
<td>1.964 (0.108)</td>
<td>-0.195</td>
<td>-0.432 to 0.042</td>
<td>0.106</td>
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<td>1.723 (0.065)</td>
<td>0.045</td>
<td>-0.118 to 0.208</td>
<td>0.584</td>
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<tr>
<td><strong>US nail thickness, mm</strong></td>
<td>0.631 (0.014)</td>
<td>OA</td>
<td>0.612 (0.027)</td>
<td>0.019</td>
<td>-0.041 to 0.080</td>
<td>0.523</td>
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<td>PsO</td>
<td>0.673 (0.029)</td>
<td>-0.042</td>
<td>-0.106 to 0.023</td>
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<td>Healthy</td>
<td>0.521 (0.018)</td>
<td>0.110</td>
<td>0.066 to 0.154</td>
<td>&lt;0.001</td>
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<td><strong>US flow Max ratio</strong></td>
<td>0.329 (0.024)</td>
<td>OA</td>
<td>0.338 (0.047)</td>
<td>-0.009</td>
<td>-0.113 to 0.095</td>
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<td>0.325 (0.03)</td>
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<td><strong>US flow Min ratio</strong></td>
<td>0.148 (0.017)</td>
<td>OA</td>
<td>0.121 (0.034)</td>
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<td>-0.048 to 0.102</td>
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<td>0.196 (0.037)</td>
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<td>-0.129 to 0.032</td>
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<td>0.147 (0.022)</td>
<td>0.00</td>
<td>-0.055 to 0.056</td>
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