**Supplementary table S4.** Spearman’s rank correlation coefficients ($r_s$) between changes in inflammatory markers and sum US scores/DAS28 from baseline to one, two, three, six and 12 months

<table>
<thead>
<tr>
<th></th>
<th>∆Sum GS score</th>
<th>∆Sum PD score</th>
<th>∆DAS28</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Baseline to one month</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>∆Calprotectin</td>
<td>0.29**</td>
<td>0.35**</td>
<td>0.47**</td>
</tr>
<tr>
<td>∆S100A12</td>
<td>0.22*</td>
<td>0.17*</td>
<td>0.22*</td>
</tr>
<tr>
<td>∆IL-6</td>
<td>0.10</td>
<td>0.23*</td>
<td>0.15</td>
</tr>
<tr>
<td>∆VEGF</td>
<td>0.14</td>
<td>0.11</td>
<td>0.32**</td>
</tr>
<tr>
<td>∆ESR</td>
<td>0.14</td>
<td>0.20*</td>
<td>0.65**</td>
</tr>
<tr>
<td>∆CRP</td>
<td>0.14</td>
<td>0.24*</td>
<td>0.41*</td>
</tr>
<tr>
<td><strong>Baseline to two months</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>∆Calprotectin</td>
<td>0.39**</td>
<td>0.43**</td>
<td>0.55**</td>
</tr>
<tr>
<td>∆S100A12</td>
<td>0.17*</td>
<td>0.18*</td>
<td>0.35**</td>
</tr>
<tr>
<td>∆IL-6</td>
<td>0.30**</td>
<td>0.33**</td>
<td>0.31**</td>
</tr>
<tr>
<td>∆VEGF</td>
<td>0.12</td>
<td>0.18*</td>
<td>0.26*</td>
</tr>
<tr>
<td>∆ESR</td>
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<td>0.30**</td>
<td>0.60**</td>
</tr>
<tr>
<td>∆CRP</td>
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<td>0.33**</td>
<td>0.42**</td>
</tr>
<tr>
<td><strong>Baseline to three months</strong></td>
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<tr>
<td>∆Calprotectin</td>
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<td>0.46**</td>
<td>0.50**</td>
</tr>
<tr>
<td>∆S100A12</td>
<td>0.22*</td>
<td>0.21*</td>
<td>0.31**</td>
</tr>
<tr>
<td>∆IL-6</td>
<td>0.25*</td>
<td>0.25*</td>
<td>0.21*</td>
</tr>
<tr>
<td>∆VEGF</td>
<td>0.07</td>
<td>0.10</td>
<td>0.22*</td>
</tr>
<tr>
<td>∆ESR</td>
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<td>0.55**</td>
</tr>
<tr>
<td>∆CRP</td>
<td>0.20*</td>
<td>0.27**</td>
<td>0.39**</td>
</tr>
<tr>
<td><strong>Baseline to six months</strong></td>
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<td>0.45**</td>
<td>0.43**</td>
</tr>
<tr>
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<td>0.24*</td>
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<tr>
<td>∆IL-6</td>
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<tr>
<td>∆VEGF</td>
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</tr>
<tr>
<td>∆ESR</td>
<td>0.24*</td>
<td>0.22*</td>
<td>0.49**</td>
</tr>
<tr>
<td>∆CRP</td>
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<td>0.35**</td>
<td>0.37**</td>
</tr>
<tr>
<td><strong>Baseline to 12 months</strong></td>
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<td></td>
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</tr>
<tr>
<td>∆Calprotectin</td>
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<td>0.51**</td>
<td>0.46**</td>
</tr>
<tr>
<td>∆S100A12</td>
<td>0.27**</td>
<td>0.36**</td>
<td>0.26*</td>
</tr>
<tr>
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<td>0.38**</td>
<td>0.25*</td>
</tr>
<tr>
<td>∆VEGF</td>
<td>0.17*</td>
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<td>0.25*</td>
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<td>0.42**</td>
<td>0.56**</td>
</tr>
<tr>
<td>∆CRP</td>
<td>0.42**</td>
<td>0.50**</td>
<td>0.47**</td>
</tr>
</tbody>
</table>
US = ultrasound scores, DAS28 = disease activity score of 28 joints, GS = grey scale, PD = power Doppler, VEGF = vascular endothelial growth factor, IL-6 = interleukin 6, ESR = erythrocyte sedimentation rate, CRP = C-reactive protein, *p < 0.05, **p ≤ 0.001