## Supplementary material

### Table 9. Measures of reliability in the dominant hand of healthy participants during grasping with vision, plateau phase (5s)

<table>
<thead>
<tr>
<th>Pressure/kPa</th>
<th>Session 1 Mean</th>
<th>Session 2</th>
<th>Session 3</th>
<th>Mean 3 sessions</th>
<th>Change in mean (%)</th>
<th>90% CI for change in mean</th>
<th>CV (%)</th>
<th>90% CI for change in CV</th>
<th>Smallest effect (%)</th>
<th>90% CI for change in smallest effect</th>
<th>ICC</th>
<th>90% CI for change in ICC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pres(5s)max</td>
<td>46.09</td>
<td>44.66</td>
<td>45.18</td>
<td>45.31</td>
<td>-3.02</td>
<td>-8.93, 3.27</td>
<td>11.44</td>
<td>8.88, 16.38</td>
<td>4.08</td>
<td>2.54, 5.20</td>
<td>0.79</td>
<td>0.59, 0.90</td>
</tr>
<tr>
<td>SD</td>
<td>10.70</td>
<td>9.81</td>
<td>8.18</td>
<td>9.62</td>
<td>1.99</td>
<td>-3.79, 8.11</td>
<td>10.58</td>
<td>8.21, 15.12</td>
<td>3.68</td>
<td>2.47, 4.59</td>
<td>0.78</td>
<td>0.57, 0.90</td>
</tr>
<tr>
<td>Pres(5s)avg2</td>
<td>42.55</td>
<td>41.81</td>
<td>42.64</td>
<td>42.34</td>
<td>-2.11</td>
<td>-8.64, 4.89</td>
<td>12.64</td>
<td>9.80, 18.14</td>
<td>3.86</td>
<td>2.29, 4.97</td>
<td>0.74</td>
<td>0.49, 0.88</td>
</tr>
<tr>
<td>SD</td>
<td>9.32</td>
<td>9.72</td>
<td>7.86</td>
<td>9.00</td>
<td>2.94</td>
<td>-2.13, 8.27</td>
<td>9.10</td>
<td>7.07, 12.97</td>
<td>3.93</td>
<td>2.71, 4.87</td>
<td>0.85</td>
<td>0.68, 0.93</td>
</tr>
<tr>
<td>Pres(5s)avg3</td>
<td>42.88</td>
<td>41.99</td>
<td>42.23</td>
<td>42.36</td>
<td>-2.49</td>
<td>-8.59, 4.02</td>
<td>11.78</td>
<td>9.14, 16.88</td>
<td>4.24</td>
<td>2.59, 5.43</td>
<td>0.80</td>
<td>0.59, 0.91</td>
</tr>
<tr>
<td>SD</td>
<td>9.88</td>
<td>10.08</td>
<td>8.02</td>
<td>9.37</td>
<td>1.63</td>
<td>-3.84, 7.41</td>
<td>10.00</td>
<td>7.77, 14.28</td>
<td>4.13</td>
<td>2.71, 5.19</td>
<td>0.84</td>
<td>0.66, 0.92</td>
</tr>
<tr>
<td>Force/N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Force(5s)max</td>
<td>65.12</td>
<td>61.50</td>
<td>58.97</td>
<td>61.86</td>
<td>-4.35</td>
<td>-12.70, 4.81</td>
<td>17.07</td>
<td>13.17, 24.69</td>
<td>5.35</td>
<td>2.73, 7.09</td>
<td>0.75</td>
<td>0.52, 0.88</td>
</tr>
<tr>
<td>SD</td>
<td>21.29</td>
<td>16.11</td>
<td>16.73</td>
<td>18.19</td>
<td>-3.96</td>
<td>-12.49, 5.41</td>
<td>17.40</td>
<td>13.42, 25.19</td>
<td>4.59</td>
<td>2.09, 6.19</td>
<td>0.69</td>
<td>0.41, 0.85</td>
</tr>
<tr>
<td>Force(5s)avg2</td>
<td>58.93</td>
<td>56.79</td>
<td>56.72</td>
<td>57.48</td>
<td>-2.26</td>
<td>-12.38, 9.04</td>
<td>20.76</td>
<td>15.96, 30.22</td>
<td>5.32</td>
<td>2.17, 7.26</td>
<td>0.68</td>
<td>0.39, 0.84</td>
</tr>
<tr>
<td>SD</td>
<td>20.50</td>
<td>15.96</td>
<td>16.47</td>
<td>17.76</td>
<td>0.29</td>
<td>-8.57, 10.00</td>
<td>17.29</td>
<td>13.33, 25.78</td>
<td>4.89</td>
<td>2.35, 6.55</td>
<td>0.72</td>
<td>0.45, 0.86</td>
</tr>
<tr>
<td>Force(5s)avg3</td>
<td>59.87</td>
<td>55.49</td>
<td>54.20</td>
<td>56.52</td>
<td>-5.93</td>
<td>-14.43, 3.43</td>
<td>17.76</td>
<td>13.70, 25.73</td>
<td>5.60</td>
<td>2.85, 7.45</td>
<td>0.76</td>
<td>0.52, 0.89</td>
</tr>
<tr>
<td>SD</td>
<td>20.99</td>
<td>15.21</td>
<td>15.40</td>
<td>17.41</td>
<td>-1.82</td>
<td>-10.08, 7.21</td>
<td>16.38</td>
<td>12.65, 23.66</td>
<td>4.87</td>
<td>2.45, 6.47</td>
<td>0.73</td>
<td>0.48, 0.87</td>
</tr>
</tbody>
</table>

*: smallest effect from pure SD; CI: Confidence interval; CV: Coefficient of variation; ICC: Intraclass correlation coefficient; SD: standard deviation
### Table 10. Measures of reliability in the dominant hand of healthy participants during grasping without vision, complete grasp duration (8s)

<table>
<thead>
<tr>
<th>Pressure/kPa</th>
<th>Session 1</th>
<th>Session 2</th>
<th>Session 3</th>
<th>Mean 3 sessions</th>
<th>Sessions compared</th>
<th>Change in mean (%)</th>
<th>90% CI for change in mean</th>
<th>CV (%)</th>
<th>90% CI for change in CV</th>
<th>Smallest effect (%)*</th>
<th>90% CI for change in smallest effect</th>
<th>ICC</th>
<th>90% CI for change in ICC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pres(8s)max</td>
<td>Mean</td>
<td>35.65</td>
<td>36.70</td>
<td>36.61</td>
<td>36.32</td>
<td>Session 2-1</td>
<td>3.11</td>
<td>-3.42, 10.09</td>
<td>11.95</td>
<td>9.27, 17.13</td>
<td>3.00</td>
<td>2.13, 3.67</td>
<td>0.66</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>7.18</td>
<td>6.76</td>
<td>6.49</td>
<td>6.82</td>
<td>Session 3-2</td>
<td>-0.09</td>
<td>-6.40, 6.65</td>
<td>11.91</td>
<td>9.23, 17.06</td>
<td>2.79</td>
<td>2.19, 3.28</td>
<td>0.62</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pres(8s)avg2</td>
<td>Mean</td>
<td>34.01</td>
<td>34.62</td>
<td>33.77</td>
<td>34.13</td>
<td>Session 2-1</td>
<td>2.65</td>
<td>-3.80, 9.54</td>
<td>11.85</td>
<td>9.19, 16.97</td>
<td>2.76</td>
<td>2.22, 3.21</td>
<td>0.62</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>7.17</td>
<td>5.16</td>
<td>6.64</td>
<td>6.38</td>
<td>Session 3-2</td>
<td>-3.11</td>
<td>-9.91, 4.21</td>
<td>13.38</td>
<td>10.36, 19.22</td>
<td>2.40</td>
<td>2.00, 3.91</td>
<td>0.50</td>
</tr>
<tr>
<td>Pres(8s)avg3</td>
<td>Mean</td>
<td>33.25</td>
<td>34.10</td>
<td>33.63</td>
<td>33.66</td>
<td>Session 2-1</td>
<td>2.89</td>
<td>-3.45, 9.65</td>
<td>11.59</td>
<td>8.99, 16.60</td>
<td>2.94</td>
<td>2.21, 3.53</td>
<td>0.66</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>6.76</td>
<td>5.89</td>
<td>6.49</td>
<td>6.39</td>
<td>Session 3-2</td>
<td>-1.62</td>
<td>-8.23, 5.47</td>
<td>12.75</td>
<td>9.88, 18.30</td>
<td>2.75</td>
<td>1.98, 3.36</td>
<td>0.59</td>
</tr>
<tr>
<td>Force/N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Force(8s)max</td>
<td>Mean</td>
<td>50.46</td>
<td>51.15</td>
<td>47.23</td>
<td>49.61</td>
<td>Session 2-1</td>
<td>1.84</td>
<td>-5.78, 10.08</td>
<td>14.35</td>
<td>11.10, 20.66</td>
<td>5.40</td>
<td>3.06, 7.03</td>
<td>0.81</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>14.88</td>
<td>14.90</td>
<td>14.99</td>
<td>14.92</td>
<td>Session 3-2</td>
<td>-8.28</td>
<td>-16.44, 0.67</td>
<td>17.42</td>
<td>13.44, 25.21</td>
<td>5.05</td>
<td>2.46, 6.75</td>
<td>0.73</td>
</tr>
<tr>
<td>Force(8s)avg2</td>
<td>Mean</td>
<td>48.38</td>
<td>46.02</td>
<td>42.31</td>
<td>45.57</td>
<td>Session 2-1</td>
<td>-4.45</td>
<td>-13.36, 5.38</td>
<td>18.40</td>
<td>14.18, 26.68</td>
<td>5.17</td>
<td>2.42, 6.95</td>
<td>0.71</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>14.72</td>
<td>14.23</td>
<td>10.47</td>
<td>13.27</td>
<td>Session 3-2</td>
<td>-6.83</td>
<td>-15.60, 2.85</td>
<td>18.59</td>
<td>14.33, 26.97</td>
<td>4.22</td>
<td>1.52, 5.82</td>
<td>0.62</td>
</tr>
<tr>
<td>Force(8s)avg3</td>
<td>Mean</td>
<td>46.45</td>
<td>46.23</td>
<td>41.57</td>
<td>44.75</td>
<td>Session 2-1</td>
<td>0.21</td>
<td>-7.71, 8.81</td>
<td>15.26</td>
<td>11.79, 22.00</td>
<td>5.06</td>
<td>2.73, 6.65</td>
<td>0.77</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>13.29</td>
<td>12.95</td>
<td>11.18</td>
<td>12.51</td>
<td>Session 3-2</td>
<td>-10.06</td>
<td>-17.65, -1.77</td>
<td>16.42</td>
<td>12.68, 23.72</td>
<td>4.54</td>
<td>2.20, 6.07</td>
<td>0.71</td>
</tr>
</tbody>
</table>

*smallest effect from pure SD; CI: Confidence interval; CV: Coefficient of variation; ICC: Intraclass correlation coefficient; SD: standard deviation
Table 11. Measures of reliability in the dominant hand of healthy participants during grasping without vision, plateau phase (5s)

<table>
<thead>
<tr>
<th></th>
<th>Sessio n 1</th>
<th>Sessio n 2</th>
<th>Session 3</th>
<th>Mean 3 sessions</th>
<th>Sessions compared</th>
<th>Change in mean (%)</th>
<th>90% CI for change in mean</th>
<th>CV(%)</th>
<th>90% CI for change in CV</th>
<th>Smallest effect (%)*</th>
<th>90% CI for change in smallest effect</th>
<th>ICC</th>
<th>90% CI for change in ICC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pressure/kPa</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pres(5s)max</td>
<td>Mean</td>
<td>44.01</td>
<td>44.16</td>
<td>44.57</td>
<td>44.25</td>
<td>Session 2-1</td>
<td>0.43</td>
<td>-5.65, 6.90</td>
<td>11.37</td>
<td>8.82, 16.27</td>
<td>3.11</td>
<td>2.24, 3.79</td>
<td>0.69</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>8.89</td>
<td>8.26</td>
<td>8.20</td>
<td>8.46</td>
<td>Session 3-2</td>
<td>1.04</td>
<td>-5.30, 7.81</td>
<td>11.83</td>
<td>9.17, 16.95</td>
<td>2.95</td>
<td>2.16, 3.57</td>
<td>0.65</td>
</tr>
<tr>
<td>Pres(5s)avg2</td>
<td>Mean</td>
<td>42.29</td>
<td>41.44</td>
<td>40.43</td>
<td>41.39</td>
<td>Session 2-1</td>
<td>-1.20</td>
<td>-7.35, 5.34</td>
<td>11.70</td>
<td>9.08, 16.76</td>
<td>2.99</td>
<td>2.18, 3.63</td>
<td>0.66</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>9.23</td>
<td>6.55</td>
<td>7.89</td>
<td>7.97</td>
<td>Session 3-2</td>
<td>-3.02</td>
<td>-9.54, 3.97</td>
<td>12.75</td>
<td>9.88, 18.30</td>
<td>2.74</td>
<td>1.99, 3.33</td>
<td>0.58</td>
</tr>
<tr>
<td>Pres(5s)avg3</td>
<td>Mean</td>
<td>40.94</td>
<td>41.17</td>
<td>41.06</td>
<td>41.06</td>
<td>Session 2-1</td>
<td>0.95</td>
<td>-5.15, 7.43</td>
<td>11.34</td>
<td>8.80, 16.22</td>
<td>3.03</td>
<td>2.25, 3.65</td>
<td>0.68</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>8.56</td>
<td>7.14</td>
<td>8.03</td>
<td>7.93</td>
<td>Session 3-2</td>
<td>-0.56</td>
<td>-6.82, 6.13</td>
<td>11.87</td>
<td>9.21, 17.01</td>
<td>2.95</td>
<td>2.15, 3.58</td>
<td>0.65</td>
</tr>
<tr>
<td><strong>Force/N</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Force(5s)max</td>
<td>Mean</td>
<td>62.33</td>
<td>62.06</td>
<td>57.63</td>
<td>60.67</td>
<td>Session 2-1</td>
<td>0.41</td>
<td>-6.26, 7.56</td>
<td>12.60</td>
<td>9.76, 18.07</td>
<td>5.50</td>
<td>3.29, 7.09</td>
<td>0.85</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>18.66</td>
<td>17.42</td>
<td>18.81</td>
<td>18.31</td>
<td>Session 3-2</td>
<td>-8.16</td>
<td>-15.75, 0.11</td>
<td>16.03</td>
<td>12.38, 23.15</td>
<td>5.18</td>
<td>2.73, 6.83</td>
<td>0.76</td>
</tr>
<tr>
<td>Force(5s)avg2</td>
<td>Mean</td>
<td>58.79</td>
<td>56.02</td>
<td>50.97</td>
<td>55.26</td>
<td>Session 2-1</td>
<td>-4.39</td>
<td>-13.31, 5.45</td>
<td>18.40</td>
<td>14.18, 26.68</td>
<td>5.15</td>
<td>2.40, 6.93</td>
<td>0.71</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>17.90</td>
<td>17.04</td>
<td>13.50</td>
<td>16.26</td>
<td>Session 3-2</td>
<td>-8.29</td>
<td>-16.69, 0.95</td>
<td>18.02</td>
<td>13.89, 26.10</td>
<td>4.67</td>
<td>2.05, 6.31</td>
<td>0.68</td>
</tr>
<tr>
<td>Force(5s)avg3</td>
<td>Mean</td>
<td>57.30</td>
<td>55.98</td>
<td>51.69</td>
<td>54.99</td>
<td>Session 2-1</td>
<td>-1.44</td>
<td>-8.97, 6.72</td>
<td>14.69</td>
<td>11.36, 21.16</td>
<td>5.17</td>
<td>2.87, 6.76</td>
<td>0.79</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>16.65</td>
<td>15.40</td>
<td>15.83</td>
<td>15.97</td>
<td>Session 3-2</td>
<td>-8.51</td>
<td>-16.12, -0.22</td>
<td>16.14</td>
<td>12.46, 23.30</td>
<td>4.94</td>
<td>2.54, 6.55</td>
<td>0.75</td>
</tr>
</tbody>
</table>

*smallest effect from pure SD; CI: Confidence interval; CV: Coefficient of variation; ICC: Intraclass correlation coefficient; SD: standard deviation
Table 12. Measures of reliability in the non-dominant hand of healthy participants during grasping without vision, complete grasp duration (8s)

<table>
<thead>
<tr>
<th></th>
<th>Session 1</th>
<th>Session 2</th>
<th>Session 3</th>
<th>Mean 3 sessions</th>
<th>Sessions compared</th>
<th>Change in mean (%)</th>
<th>90% CI for change in mean</th>
<th>CV (%)</th>
<th>90% CI for change in CV</th>
<th>Smallest effect (%)*</th>
<th>90% CI for change in smallest effect</th>
<th>ICC</th>
<th>90% CI for change in ICC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pressure/kPa</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pres(8s)\text{max}</td>
<td>Mean</td>
<td>33.63</td>
<td>35.56</td>
<td>34.68</td>
<td>Session 2-1</td>
<td>6.22</td>
<td>0.98, 11.73</td>
<td>9.12</td>
<td>7.09, 13.00</td>
<td>4.71</td>
<td>3.07, 5.93</td>
<td>0.89</td>
<td>0.76, 0.95</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>8.09</td>
<td>7.73</td>
<td>8.33</td>
<td>Session 3-2</td>
<td>-2.94</td>
<td>-9.50, 4.09</td>
<td>12.82</td>
<td>9.93, 18.40</td>
<td>4.39</td>
<td>2.57, 5.68</td>
<td>0.78</td>
<td>0.56, 0.90</td>
</tr>
<tr>
<td>Pres(8s)\text{avg}</td>
<td>Mean</td>
<td>31.73</td>
<td>33.03</td>
<td>32.48</td>
<td>Session 2-1</td>
<td>3.87</td>
<td>-3.64, 11.97</td>
<td>13.82</td>
<td>10.69, 19.87</td>
<td>4.64</td>
<td>2.61, 6.05</td>
<td>0.78</td>
<td>0.55, 0.89</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>7.22</td>
<td>8.00</td>
<td>7.20</td>
<td>Session 3-2</td>
<td>-1.07</td>
<td>-6.54, 4.72</td>
<td>10.31</td>
<td>8.00, 4.72</td>
<td>4.80</td>
<td>3.04, 6.10</td>
<td>0.87</td>
<td>0.72, 0.94</td>
</tr>
<tr>
<td>Pres(8s)\text{avg}</td>
<td>Mean</td>
<td>31.41</td>
<td>33.10</td>
<td>32.46</td>
<td>Session 2-1</td>
<td>5.53</td>
<td>0.51, 10.80</td>
<td>8.77</td>
<td>6.82, 12.49</td>
<td>4.86</td>
<td>3.18, 6.12</td>
<td>0.90</td>
<td>0.79, 0.96</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>7.43</td>
<td>7.57</td>
<td>7.36</td>
<td>Session 3-2</td>
<td>-1.80</td>
<td>-7.55, 4.31</td>
<td>10.96</td>
<td>8.51, 15.68</td>
<td>4.56</td>
<td>2.85, 5.81</td>
<td>0.84</td>
<td>0.67, 0.93</td>
</tr>
<tr>
<td><strong>Force/N</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Force(8s)\text{max}</td>
<td>Mean</td>
<td>46.25</td>
<td>43.26</td>
<td>45.26</td>
<td>Session 2-1</td>
<td>-5.62</td>
<td>-13.13, 2.55</td>
<td>15.38</td>
<td>11.89, 22.18</td>
<td>6.07</td>
<td>3.44, 7.92</td>
<td>0.83</td>
<td>0.65, 0.92</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>15.31</td>
<td>13.74</td>
<td>16.43</td>
<td>Session 3-2</td>
<td>3.33</td>
<td>-6.99, 14.80</td>
<td>19.90</td>
<td>15.31, 28.93</td>
<td>5.59</td>
<td>2.55, 7.53</td>
<td>0.72</td>
<td>0.45, 0.86</td>
</tr>
<tr>
<td>Force(8s)\text{avg}</td>
<td>Mean</td>
<td>41.96</td>
<td>38.73</td>
<td>40.76</td>
<td>Session 2-1</td>
<td>-6.53</td>
<td>-16.10, 4.14</td>
<td>20.48</td>
<td>15.75, 29.80</td>
<td>5.65</td>
<td>2.52, 7.64</td>
<td>0.71</td>
<td>0.44, 0.86</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>14.20</td>
<td>12.55</td>
<td>13.42</td>
<td>Session 3-2</td>
<td>5.00</td>
<td>-4.38, 15.31</td>
<td>17.52</td>
<td>13.51, 25.36</td>
<td>5.35</td>
<td>2.68, 7.12</td>
<td>0.75</td>
<td>0.50, 0.88</td>
</tr>
<tr>
<td>Force(8s)\text{avg}</td>
<td>Mean</td>
<td>41.60</td>
<td>39.20</td>
<td>41.01</td>
<td>Session 2-1</td>
<td>-4.89</td>
<td>-12.79, 3.72</td>
<td>16.12</td>
<td>12.45, 23.28</td>
<td>5.89</td>
<td>3.24, 7.72</td>
<td>0.81</td>
<td>0.61, 0.91</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>13.70</td>
<td>12.56</td>
<td>14.09</td>
<td>Session 3-2</td>
<td>3.74</td>
<td>-5.41, 13.77</td>
<td>17.25</td>
<td>13.31, 24.97</td>
<td>5.62</td>
<td>2.92, 7.45</td>
<td>0.77</td>
<td>0.54, 0.89</td>
</tr>
</tbody>
</table>

*:smallest effect from pure SD; CI: Confidence interval; CV: Coefficient of variation; ICC: Intraclass correlation coefficient; SD: standard deviation
Table 13. Measures of reliability in the non-dominant hand of healthy participants during grasping with vision, plateau phase (5s)

<table>
<thead>
<tr>
<th>Pressure/kPa</th>
<th>Session 1</th>
<th>Session 2</th>
<th>Session 3</th>
<th>Mean 3 sessions</th>
<th>Sessions compared</th>
<th>Change in mean (%)</th>
<th>90% CI for change in mean</th>
<th>CV (%)</th>
<th>90% CI for change in CV</th>
<th>Smallest effect (%)*</th>
<th>90% CI for change in smallest effect</th>
<th>ICC</th>
<th>90% CI for change in ICC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pres(5s)max</td>
<td>Mean</td>
<td>41.55</td>
<td>43.82</td>
<td>46.28</td>
<td>43.88</td>
<td>Session 2-1</td>
<td>5.82</td>
<td>0.35, 11.58</td>
<td>9.58</td>
<td>7.45, 13.67</td>
<td>4.73</td>
<td>3.05, 5.97</td>
<td>0.88</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>9.92</td>
<td>9.71</td>
<td>10.49</td>
<td>10.04</td>
<td>Session 3-2</td>
<td>5.75</td>
<td>-5.16, 17.91</td>
<td>20.66</td>
<td>15.88, 30.08</td>
<td>2.87</td>
<td>-1.61, 4.41</td>
<td>0.38</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Session 3-2*</td>
<td>0.21</td>
<td>-5.56, 6.33</td>
<td>10.41</td>
<td>8.03, 15.08</td>
<td>4.20</td>
<td>2.64, 5.34</td>
<td>0.83</td>
<td>0.65, 0.92</td>
</tr>
<tr>
<td>Pres(5s)avg2</td>
<td>Mean</td>
<td>39.45</td>
<td>41.37</td>
<td>42.30</td>
<td>41.04</td>
<td>Session 2-1</td>
<td>5.51</td>
<td>-1.53, 13.06</td>
<td>12.66</td>
<td>9.81, 18.16</td>
<td>5.18</td>
<td>3.07, 6.68</td>
<td>0.84</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>10.58</td>
<td>10.46</td>
<td>10.56</td>
<td>10.53</td>
<td>Session 3-2</td>
<td>2.39</td>
<td>-8.02, 13.98</td>
<td>20.32</td>
<td>15.63, 29.56</td>
<td>3.72</td>
<td>-0.66, 5.35</td>
<td>0.52</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Session 3-2*</td>
<td>-2.81</td>
<td>-8.57, 3.32</td>
<td>10.74</td>
<td>8.28, 15.56</td>
<td>4.76</td>
<td>2.93, 6.09</td>
<td>0.86</td>
<td>0.69, 0.93</td>
</tr>
<tr>
<td>Pres(5s)avg3</td>
<td>Mean</td>
<td>39.22</td>
<td>41.25</td>
<td>43.21</td>
<td>41.23</td>
<td>Session 2-1</td>
<td>5.68</td>
<td>-0.19, 11.89</td>
<td>10.36</td>
<td>8.04, 14.79</td>
<td>5.25</td>
<td>3.30, 6.69</td>
<td>0.89</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>10.20</td>
<td>10.15</td>
<td>10.35</td>
<td>10.23</td>
<td>Session 3-2</td>
<td>5.16</td>
<td>-5.81, 17.42</td>
<td>20.93</td>
<td>16.09, 30.49</td>
<td>3.38</td>
<td>-1.32, 5.01</td>
<td>0.46</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Session 3-2*</td>
<td>-0.36</td>
<td>-6.30, 5.96</td>
<td>10.81</td>
<td>8.34, 15.67</td>
<td>4.57</td>
<td>2.81, 5.85</td>
<td>0.84</td>
<td>0.67, 0.93</td>
</tr>
<tr>
<td>Force/N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Force(5s)max</td>
<td>Mean</td>
<td>56.46</td>
<td>56.91</td>
<td>57.25</td>
<td>56.88</td>
<td>Session 2-1</td>
<td>1.89</td>
<td>-7.41, 12.11</td>
<td>17.94</td>
<td>13.83, 25.98</td>
<td>6.13</td>
<td>3.23, 8.10</td>
<td>0.79</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>18.73</td>
<td>18.17</td>
<td>18.44</td>
<td>18.45</td>
<td>Session 3-2</td>
<td>0.67</td>
<td>-9.82, 12.38</td>
<td>20.89</td>
<td>16.06, 30.43</td>
<td>5.10</td>
<td>1.93, 7.01</td>
<td>0.66</td>
</tr>
<tr>
<td>Force(5s)avg2</td>
<td>Mean</td>
<td>51.20</td>
<td>53.34</td>
<td>53.32</td>
<td>52.62</td>
<td>Session 2-1</td>
<td>6.50</td>
<td>-5.52, 20.05</td>
<td>22.95</td>
<td>17.60, 33.34</td>
<td>6.45</td>
<td>2.88, 8.73</td>
<td>0.72</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>19.64</td>
<td>18.02</td>
<td>19.47</td>
<td>19.06</td>
<td>Session 3-2</td>
<td>-0.95</td>
<td>-12.14, 11.65</td>
<td>22.95</td>
<td>17.61, 33.55</td>
<td>5.80</td>
<td>2.26, 7.95</td>
<td>0.68</td>
</tr>
<tr>
<td>Force(5s)avg3</td>
<td>Mean</td>
<td>51.26</td>
<td>52.09</td>
<td>52.58</td>
<td>51.98</td>
<td>Session 2-1</td>
<td>3.03</td>
<td>-6.65, 13.70</td>
<td>18.53</td>
<td>14.28, 26.87</td>
<td>6.44</td>
<td>3.40, 8.50</td>
<td>0.79</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>18.16</td>
<td>17.31</td>
<td>16.89</td>
<td>17.46</td>
<td>Session 3-2</td>
<td>1.23</td>
<td>-8.99, 12.61</td>
<td>20.16</td>
<td>15.51, 29.32</td>
<td>5.44</td>
<td>2.38, 7.37</td>
<td>0.70</td>
</tr>
</tbody>
</table>

* outlier removed; *: smallest effect from pure SD; CI: Confidence interval; CV: Coefficient of variation; ICC: Intraclass correlation coefficient; SD: standard deviation
Table 14. Measures of reliability in the non-dominant hand of healthy participants during grasping without vision, plateau phase of 5s

<table>
<thead>
<tr>
<th></th>
<th>Session 1</th>
<th>Session 2</th>
<th>Session 3</th>
<th>Mean 3 sessions</th>
<th>Change in mean (%)</th>
<th>90% CI for change in mean</th>
<th>CV (%)</th>
<th>90% CI for change in CV</th>
<th>Smallest effect (%)&lt;sup&gt;*&lt;/sup&gt;</th>
<th>90% CI for change in smallest effect</th>
<th>ICC</th>
<th>90% CI for change in ICC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure/kPa</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pres(5s)max</td>
<td>Mean</td>
<td>41.14</td>
<td>43.11</td>
<td>42.11</td>
<td>42.12</td>
<td>5.12</td>
<td>0.40, 10.06</td>
<td>8.24</td>
<td>6.41, 11.73</td>
<td>4.72</td>
<td>3.14, 5.92</td>
<td>0.91</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>9.60</td>
<td>9.30</td>
<td>9.94</td>
<td>9.62</td>
<td>-2.60</td>
<td>-8.51, 3.69</td>
<td>11.41</td>
<td>8.85, 16.33</td>
<td>4.43</td>
<td>2.74, 5.66</td>
<td>0.82</td>
</tr>
<tr>
<td>Pres(5s)avg2</td>
<td>Mean</td>
<td>38.23</td>
<td>40.64</td>
<td>39.18</td>
<td>39.35</td>
<td>5.68</td>
<td>-0.78, 12.56</td>
<td>11.49</td>
<td>8.91, 16.45</td>
<td>4.80</td>
<td>2.94, 6.14</td>
<td>0.84</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>8.81</td>
<td>9.94</td>
<td>8.75</td>
<td>9.18</td>
<td>-3.00</td>
<td>-8.27, 2.58</td>
<td>10.12</td>
<td>7.86, 14.45</td>
<td>4.94</td>
<td>3.13, 6.27</td>
<td>0.88</td>
</tr>
<tr>
<td>Pres(5s)avg3</td>
<td>Mean</td>
<td>38.17</td>
<td>40.25</td>
<td>39.53</td>
<td>39.32</td>
<td>5.58</td>
<td>0.74, 10.24</td>
<td>8.08</td>
<td>6.29, 11.50</td>
<td>4.98</td>
<td>3.28, 6.25</td>
<td>0.92</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>8.97</td>
<td>9.40</td>
<td>8.90</td>
<td>9.09</td>
<td>-1.48</td>
<td>-6.88, 4.24</td>
<td>10.21</td>
<td>7.93, 14.59</td>
<td>4.68</td>
<td>2.98, 5.94</td>
<td>0.86</td>
</tr>
<tr>
<td>Force/N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Force(5s)max</td>
<td>Mean</td>
<td>56.82</td>
<td>52.87</td>
<td>54.80</td>
<td>54.83</td>
<td>-5.41</td>
<td>-12.37, 2.10</td>
<td>14.09</td>
<td>10.90, 20.26</td>
<td>6.48</td>
<td>3.82, 8.37</td>
<td>0.87</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>20.02</td>
<td>16.50</td>
<td>19.08</td>
<td>18.59</td>
<td>2.72</td>
<td>-6.96, 13.40</td>
<td>18.61</td>
<td>14.33, 26.99</td>
<td>5.63</td>
<td>2.76, 7.52</td>
<td>0.74</td>
</tr>
<tr>
<td>Force(5s)avg2</td>
<td>Mean</td>
<td>51.49</td>
<td>47.16</td>
<td>49.87</td>
<td>49.51</td>
<td>-6.91</td>
<td>-15.39, 2.43</td>
<td>17.92</td>
<td>13.81, 25.95</td>
<td>6.18</td>
<td>3.27, 8.17</td>
<td>0.79</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>18.51</td>
<td>15.64</td>
<td>16.44</td>
<td>16.91</td>
<td>5.60</td>
<td>-3.41, 15.45</td>
<td>16.62</td>
<td>12.83, 24.02</td>
<td>5.59</td>
<td>2.97, 7.37</td>
<td>0.78</td>
</tr>
<tr>
<td>Force(5s)avg3</td>
<td>Mean</td>
<td>50.98</td>
<td>47.91</td>
<td>50.16</td>
<td>49.68</td>
<td>-4.61</td>
<td>-12.30, 3.77</td>
<td>15.62</td>
<td>12.07, 22.53</td>
<td>6.17</td>
<td>3.48, 8.05</td>
<td>0.83</td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>17.67</td>
<td>15.16</td>
<td>16.92</td>
<td>16.61</td>
<td>3.85</td>
<td>-4.87, 13.37</td>
<td>16.33</td>
<td>12.61, 23.60</td>
<td>5.73</td>
<td>3.10, 7.54</td>
<td>0.79</td>
</tr>
</tbody>
</table>

<sup>*</sup>smallest effect from pure SD; CI: Confidence interval; CV: Coefficient of variation; ICC: Intraclass correlation coefficient; SD: standard deviation