EMG by Participant Comparison (normalized) CASE 1 (All sensors) 578.945 500 468.857 467.851 464.293 448.052 425.879 424.592 422.631 EMG (Mean) 279.529 245.3 147.558 129.13 125.093 111.738 109.629 107.661 107.023 106.004 102.228 98.8667 96.3302 82.637 75.2318 38.024<mark>1</mark> 38.431<mark>8</mark> 37.948 31.146<mark>3</mark> 34.128<mark>3</mark> 31.759<mark>7</mark> 30.690<mark>1</mark> 30.324<mark>2</mark> 24.925<mark>5</mark> 22.468<mark>9</mark> 23.753<mark>4</mark> 24.568<mark>6</mark> 8.463 1.64 task9 task10 task11 task12 task1 task2 task3 task4 CASE 2 (Both hands – Flexors)) 73.1651 70 55.2881 EMG (Mean) 47.5804 43.427 43.0499 41.7665 41.1726 38.5937 39.7167 37.388 37.4103 37.2833 36.4905 36.3291 35.1092 34.0712 33.6811 33.7996 31.8909 31.1123 27.8827 21.2412 20 16.894 6.9989 **1**6.7392 **1**6.6211 13.629 .3.512 11.5*7*5<mark>7</mark>7294<mark>7</mark> 12.538 12.647 **1**2.11<u>5</u>4.485 **1**0.0344<u>9</u>637 0.6177 .5570<mark>7</mark> 9.3032 .4259<mark>6</mark> 8.8369 3.6991<mark>2</mark> 5.9094 task3 task5 task9 task4 task7 task10 task11 CASE 3 (Both hands – Extensors) 1195.62 1200 Ρ1 1148.33 1000 925.666 920.821 916.471 887.405 842.332 835.673 833.687 EMG (Mean) 548.441 473.601 241.521 221.951 194.897 181.847 180.049 167.742 170.995 172.566 170.836 200 155.272 159.14 137.391 129.222 39.566<mark>9</mark> 34.281<mark>8</mark> <mark>2</mark>3.453**6** 36.974<mark>2</mark> 27.183<mark>3 1</mark>8.030 28.539<mark>9</mark> <mark>2</mark>6.627 23.365<mark>2</mark> <mark>2</mark>6.318 24.899<mark>6</mark> 24.889<mark>7</mark> 16.051<mark>3</mark> <mark>2</mark>4.966 11.256<mark>7</mark> 16.21<mark>9</mark> 16.394<mark>6 1</mark>4.692 15.06<mark>6</mark> **1**7.892 <mark>1</mark>4.907 task3 task4 task12 task1 task2 task7 task9 task10 task11 CASE 4 (Left hand – Extensors) 2258.42 P1 2202.9 P2 2000 1740 1739.36 1670.48 1602.49 1560.33 1524.21 1491.99 EMG (Mean) 982.998 776.915 394.793 146.641 120.79 102.761 118.812 106.297 12.649<mark>1 2</mark>5.199<mark>9</mark> 120.144 79.2815 6.8793<mark>1 1</mark>4.948<mark>2</mark> 99.0399 8.38 10^{25171} 4.40508 9.0536<mark>4 2</mark>8.264<mark>4</mark> 22.423<mark>6 2</mark>6.477<mark>6</mark> 23.176<mark>1 2</mark>9.220 26.20<mark>5</mark> 24.895<mark>5</mark> 17.130<mark>9 1</mark>8.062 9.3905<mark>7</mark> 14.904<mark>5</mark> task5 task6 task7 task8 task3 task4 task9 task11 task12 task1 task2 task10 CASE 4 (Right Hand – Extensor) 349.648 P1 350 -P2 301.154 297.262 P3 297.73 300 P4 269.004 250 239.955 238.835 236.445 233.827 EMG (Mean) 223.179 215.519 201.727 179.163 170.287 143.169 132.822 124.339 113.883 111.969 104.327 93.7697 92.9406 100 88.2495 70.080<mark>2</mark> 68.8589 47.743<mark>4</mark> 46.139<mark>9</mark> 42.325<mark>4</mark> 50 37.235<mark>8</mark> 37.150<mark>1</mark> 33.903<mark>7</mark> 34.874<mark>9</mark> <mark>2</mark>4.733<mark>2</mark> 25.909<mark>9</mark> 2<mark>4.033</mark>6 23.328<mark>2</mark> 22.71<mark>2</mark> <mark>2</mark>2.298<mark>2</mark> <mark>2</mark>2.011 **2**1.427 <mark>1</mark>7.998 **1**9.345 <mark>1</mark>7.975 17.612 15.95<mark>1</mark> **1**6.543 1<mark>4.436</mark>4 task1 task2 task5 task6 task3 task4 task7 task8 task9 task10 task11 task12