EMG by Participant Comparison (normalized) CASE 1 (All sensors) 300 289.629 234.509 234.005 232.224 224.092 212.991 212.346 211.365 EMG (Mean) 139.715 122.577 100 74.0422 64.4124 62.6828 55.9302 54.8637 53.8689 53.5459 53.0309 51.1218 49.422 48.1394 50 41.2157 37.4713 19.182<mark>1</mark> 19.393<mark>7</mark> 19.142<mark>7</mark> 17.160<mark>8</mark> 15.613<mark>6</mark> 15.931<mark>9</mark> 15.376<mark>9</mark> 15.187<mark>1</mark> 12.200<mark>8</mark> 12.3859 11.111<mark>4</mark> .3561 .4862 <mark>9</mark>.4765 <mark>6</mark>.9184 5.4317 task8 task1 task2 task3 task4 task5 task9 task10 task11 task12 CASE 2 (Both hands – Flexors)) 70 60 55.2881 EMG (Mean) 47.5804 43.427 43.0499 41.7665 41.1726 38.5937 39.7167 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 **1**6.894 6.9989 **1**6.7392 **1**6.6211 13.629 3.512 **1**3.437 12.5387 11.57<u></u>57294<mark>7</mark> 12.647 12.11<u>5</u>4485 **1**0.03449637 10.6177 9.4259<mark>6</mark> .5570<mark>7</mark> 69912 9.3032 .836 <mark>5</mark>.9094 task2 task3 task4 task5 task9 task10 task11 task12 CASE 3 (Both hands – Extensors) 1195.62 1200 1148.33 1000 925.666 920.821 916.471 887.405 842.332 835.673 833.687 EMG (Mean) 548.441 473.601 241.521 221.951 194.897 180.049 181.847 172.566 170.995 170.836 200 -167.742 155.272 159.14 137.391 129.222 39.566<mark>9</mark> 27.183<mark>3 1</mark>8.030 36.974<mark>2</mark> <mark>2</mark>6.627 34.281<mark>8</mark> 2<mark>4.966</mark>6 <mark>2</mark>4.387 28.539<mark>9</mark> 24.889<mark>7</mark> 23.365<mark>2</mark> 23.453 16.394<mark>6 1</mark>4.692 16.0513 24.899<mark>6</mark> 15.06<mark>6</mark> 11.256<mark>7</mark> task12 task3 task4 task1 task11 CASE 4 (Left hand – Extensors) 2258.42 2202.9 2000 1740 1739.36 1670.48 1602.49 1560.33 1524.21 1491.99 EMG (Mean) 1000 982.998 776.915 394.793 146.641 118.812 23.176<mark>1 29</mark>.220<mark>4</mark> 106.297 12.649<mark>1 2</mark>5.199<mark>9</mark> 120.79 120.144 102.761 14.904<mark>5 7.</mark>3132<mark>1</mark> 79.2815 14.948<mark>2</mark> 8.38 + 0.25171 + 4.40508 + 24.895522.423<mark>6 2</mark>6.477<mark>6</mark> 9.0536<mark>4 2</mark>8.264<mark>4</mark> 26.20<mark>5</mark> 9.3905<mark>7 1</mark>9.981**7** 17.130<mark>9 1</mark>8.062<mark>8</mark> 6.8038<mark>3</mark> task3 task4 task10 task11 task12 CASE 5 (Right Hand – Extensor) 349.648 350 -301.154 297.262 P3 297.73 300 269.004 250 239.955 238.835 236.445 233.827 EMG (Mean) 150 223.179 215.519 201.727 179.163 170.287 143.169 132.822 124.339 113.883 111.969 104.327 92.9406 93.7697 100 88.2495 70.080<mark>2</mark> 68.8589 46.139<mark>9</mark> 47.743<mark>4</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> 25.909<mark>9</mark> <mark>2</mark>4.033 23.328<mark>2</mark> <mark>2</mark>4.733 <mark>2</mark>2.298<mark>2</mark> **:** 22.712 <mark>2</mark>1.427 <mark>2</mark>2.011 **1**9.34**5 1**7.998 <mark>1</mark>7.975 17.612<mark>9</mark> 15.95<mark>1</mark> 16.543<mark>8</mark> task1 task2 task3 task9 task10 task12 task4 task11 CASE 5z (Right Hand – Extensor) 2.25731 2.21871 2.21344 P1 2.0 1.89494 EMG (Mean) (Standardized)) 1.56752 1.5549 1.5485 1.52796 1.49845 1.37844 1.2921 1.13665 1.1107<mark>7</mark> 1.0762 1.04364 0.882328 0.87714 0.8496<mark>45</mark> 0.7935<mark>7!</mark> 0.706523 0.646082 0.59379 0.502295 0.4646 0.46244 0.42760 0.32504 0.310444 0.307215 0.221451 0.184843 0.122849 <mark>-0.0</mark>0246332 -0.116<mark>48</mark> -0.21<u>3</u>7.948813 -0.2370<mark>24</mark> -0.286058 -0.300271 -0.311921 -0.326282 -0.328911 -0.339408 -0.353908 -0.355047 -0.36149 -0.388123 -0.5-0.491874 task10 task11 task12 task1 task2 task3 task4 task5 task6 task7 task8 task9