EMG by Participant Comparison (normalized) CASE 1 (All sensors) 300 289.491 234.714 233.883 232.156 223.951 212.29 212.908 211.328 EMG (Mean) 139.672 122.684 100 74.3632 64.4717 62.8204 56.0856 54.7935 53.9142 53.688 51.1737 52.9185 49.4646 48.093 41.0829 37.2959 19.270<mark>7</mark> 19.45<mark>8</mark> 19.086<mark>6</mark> 17.242<mark>9</mark> 15.617<mark>4</mark> 15.968<mark>7</mark> 15.39<mark>4</mark> 15.178<mark>8</mark> 11.723<mark>1</mark> 12.189<mark>7</mark> 12.3766 11.108<mark>6</mark> 9.3800<mark>4</mark> <mark>9</mark>.4991<mark>5</mark> **1**0.341 .8923 .6996 task5 task8 task1 task2 task3 task4 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> 120.79 106.297 12.649<mark>1 2</mark>5.199<mark>9</mark> 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 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> 25.909<mark>9</mark> <mark>2</mark>4.033 23.328<mark>2</mark> <mark>2</mark>4.733 **:** 22.712 <mark>2</mark>2.298<mark>2</mark> <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 6 (Right Hand – Both sensors) 1.31563 1.0 EMG (Mean) (Standardized)) 0.845071 0.776136 0.741737 0.736303 0.7390 0.675134 0.591014 0.594274 0.5930<mark>3</mark> 0.491769 0.481108 0.36597 0.262704 0.259923 0.222493 0.165641 0.115755 0.128688 0.08**6**00586173<mark>1</mark>3).<mark>0</mark>417331 0.019707026420 0.00267448 0.00602262 -0.046729 **-0.0**080003 -0.102819 -0.166573 -0.0400686 -0.145417 -0.214007 -0.119083 -0.146906 -0.22**20212**5785_{-0.}240906 -0.217029 -0.241881-0.2509<mark>9</mark> -0.27275 -0.2762<mark>8</mark> -0.4922 -0.825106 task5 task10 task11 task12 task1 task2 task3 task4 task6 task7 task8 task9