**Supplementary Table**

Units of incobotulinumtoxinA injected per primary LL pattern per muscle by dose

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **First Injection Cycle** | | | | | | |
|  | |  |  | **N** | **Mean Units (SD)** | **Range (U)** |
|  | |  |  |  |  |  |
|  | | Total |  | 311 | 216.9 (112.9) | 38-400 |
|  | |  | Low dose | 78 | 73.2 (23.8) | 38-100 |
|  | |  | Mid dose | 77 | 220.2 (65.9) | 113-300 |
|  | |  | High dose | 156 | 287.2 (87.8) | 150-400 |
|  | |  |  |  |  |  |
| **Pes equinus** | | Total |  | 311 | 184.7 (106.3) | 19-400 |
|  | |  | Low dose | 78 | 60.1 (23.8) | 19-100 |
|  | |  | Mid dose | 77 | 189.5 (69.9) | 75-300 |
|  | |  | High dose | 156 | 244.6 (92.2) | 75-400 |
|  | |  |  |  |  |  |
|  | | Gastrocnemius  (medial and lateral) |  |  |  |  |
|  | |  | Total | 311 | 108.0 (67.4) | 13-300 |
|  | |  | Low dose | 78 | 35.8 (17.0) | 13-75 |
|  | |  | Mid dose | 77 | 111.1 (48.0) | 45-225 |
|  | |  | High dose | 156 | 142.5 (63.0) | 38-300 |
|  | | Soleus | Total | 308 | 56.1 (36.6) | 3-200 |
|  | |  | Low dose | 78 | 17.9 (8.6) | 3-50 |
|  | |  | Mid dose | 76 | 58.8 (28.1) | 19-150 |
|  | |  | High dose | 154 | 74.0 (34.5) | 25-200 |
|  | | Tibialis posterior | Total | 137 | 43.4 (26.3) | 0-100 |
|  | |  | Low dose | 31 | 14.0 (6.2) | 3-25 |
|  | |  | Mid dose | 32 | 42.0 (20.4) | 0-75 |
|  | |  | High dose | 74 | 56.4 (23.6) | 20-100 |
|  | | Flexor digitorum longus | Total | 13 | 29.0 (19.7) | 0-56 |
|  | |  | Low dose | 3 | 7.4 (6.6) | 0-13 |
|  | |  | Mid dose | 5 | 30.0 (21.4) | 0-56 |
|  | |  | High dose | 5 | 41.0 (12.4) | 25-50 |
|  | | Flexor hallucis longus | Total | 11 | 23.4 (15.1) | 0-50 |
|  | |  | Low dose | 5 | 9.5 (5.5) | 0-13 |
|  | |  | Mid dose | 2 | 37.6 (0.0) | 38-38 |
|  | |  | High dose | 4 | 33.8 (11.1) | 25-50 |
| **Flexed knee** | | Total | Total | 60 | 114.2 (62.4) | 25-200 |
|  | |  | Low dose | 19 | 42.5 (8.5) | 25-50 |
|  | |  | Mid dose | 11 | 124.5 (30.6) | 75-150 |
|  | |  | High dose | 30 | 155.8 (48.5) | 75-200 |
|  | | Semitendinosus | Total | 59 | 40.8 (23.8) | 6-100 |
|  | |  | Low dose | 19 | 15.4 (5.4) | 6-25 |
|  | |  | Mid dose | 11 | 41.9 (13.5) | 23-75 |
|  | |  | High dose | 29 | 57.0 (19.5) | 25-100 |
|  | | Semimembranosus | Total | 47 | 36.9 (23.1) | 6-100 |
|  | |  | Low dose | 14 | 13.4 (3.5) | 6-22 |
|  | |  | Mid dose | 9 | 39.2 (18.7) | 19-75 |
|  | |  | High dose | 24 | 49.8 (20.6) | 25-100 |
|  | | Biceps femoris | Total | 52 | 43.0 (27.4) | 6-100 |
|  | |  | Low dose | 17 | 16.8 (5.8) | 6-25 |
|  | |  | Mid dose | 8 | 43.6 (20.4) | 19-75 |
|  | |  | High dose | 27 | 59.4 (24.7) | 25-100 |
|  | | Gracilis | Total | 13 | 36.3 (15.5) | 13-56 |
|  | |  | Low dose | 3 | 13.3 (1.4) | 13-15 |
|  | |  | Mid dose | 5 | 41.3 (8.4) | 38-56 |
|  | |  | High dose | 5 | 45.0 (11.2) | 25-50 |
| **Adducted thigh** | | Total | Total | 25 | 127.3 (54.7) | 19-200 |
|  | |  | Low dose | 5 | 42.5 (13.5) | 19-50 |
|  | |  | Mid dose | 8 | 124.2 (19.9) | 94-150 |
|  | |  | High dose | 12 | 164.6 (37.6) | 125-200 |
|  | | Gracilis | Total | 18 | 28.5 (14.6) | 0-50 |
|  | |  | Low dose | 3 | 12.5 (0.0) | 13-13 |
|  | |  | Mid dose | 7 | 24.4 (12.0) | 0-38 |
|  | |  | High dose | 8 | 38.1 (12.8) | 25-50 |
|  | | Adductor longus/brevis | Total | 25 | 68.6 (28.6) | 13-100 |
|  | |  | Low dose | 5 | 24.4 (8.9) | 13-38 |
|  | |  | Mid dose | 8 | 62.8 (13.6) | 38-75 |
|  | |  | High dose | 12 | 90.8 (13.8) | 65-100 |
|  | | Adductor magnus | Total | 23 | 41.5 (25.9) | 6-100 |
|  | |  | Low dose | 4 | 13.3 (6.4) | 6-22 |
|  | |  | Mid dose | 8 | 40.1 (22.1) | 19-75 |
|  | |  | High dose | 11 | 52.7 (25.6) | 25-100 |
| **Second Injection Cycle** | | | | | | |
|  | Total | |  | 287 | 219.5 (113.2) | 38-400 |
|  |  | | Low dose | 73 | 74.6 (22.2) | 38-100 |
|  |  | | Mid dose | 71 | 226.7 (64.1) | 113-300 |
|  |  | | High dose | 143 | 289.9 (87.9) | 150-400 |
|  |  | |  |  |  |  |
| **Pes equinus** | Total | |  | 287 | 187.4 (107.3) | 25-400 |
|  |  | | Low dose | 73 | 62.8 (23.1 ) | 25-100 |
|  |  | | Mid dose | 71 | 193.9 (68.8) | 75-300 |
|  |  | | High dose | 143 | 247.7 (94.3) | 75-400 |
|  |  | |  |  |  |  |
|  | Gastrocnemius  (medial and lateral) | |  |  |  |  |
|  |  | | Total | 287 | 109.8 (68.9) | 13-300 |
|  |  | | Low dose | 73 | 37.1 (16.3) | 13-75 |
|  |  | | Mid dose | 71 | 113.4 (50.8) | 38-225 |
|  |  | | High dose | 143 | 145.2 (64.6) | 50-300 |
|  | Soleus | | Total | 285 | 57.0 (36.8) | 6-200 |
|  |  | | Low dose | 73 | 18.9 (8.6) | 6-50 |
|  |  | | Mid dose | 70 | 60.6 (27.3) | 19-150 |
|  |  | | High dose | 142 | 74.9 (35.2) | 25-200 |
|  | Tibialis posterior | | Total | 126 | 42.9 (26.2) | 6-100 |
|  |  | | Low dose | 30 | 13.9 (6.3) | 6-25 |
|  |  | | Mid dose | 30 | 41.7 (16.9) | 19-75 |
|  |  | | High dose | 66 | 56.6 (24.4) | 25-100 |
|  | Flexor digitorum longus | | Total | 8 | 30.8 (15.8) | 10-50 |
|  |  | | Low dose | 2 | 11.1 (2.1) | 10-13 |
|  |  | | Mid dose | 3 | 31.3 (10.8) | 19-38 |
|  |  | | High dose | 3 | 43.3 (11.5) | 30-50 |
|  | Flexor hallucis longus | | Total | 11 | 31.0 (16.8) | 10-56 |
|  |  | | Low dose | 4 | 12.5 (2.2) | 10-15 |
|  |  | | Mid dose | 3 | 43.8 (10.7) | 38-56 |
|  |  | | High dose | 4 | 40.0 (11.5) | 30-50 |
| **Flexed knee** | Total | | Total | 53 | 117.7 (61.4) | 31-200 |
|  |  | | Low dose | 16 | 43.4 (7.7) | 31-50 |
|  |  | | Mid dose | 10 | 129.4 (29.9) | 75-150 |
|  |  | | High dose | 27 | 157.4 (45.9) | 75-200 |
|  | Semitendinosus | | Total | 52 | 41.6 (23.0) | 10-100 |
|  |  | | Low dose | 16 | 15.4 (4.6) | 10-25 |
|  |  | | Mid dose | 10 | 42.4 (14.2) | 23-75 |
|  |  | | High dose | 26 | 57.4 (17.1) | 25-100 |
|  | Semimembranosus | | Total | 44 | 37.6 (23.7) | 6-100 |
|  |  | | Low dose | 13 | 12.2 (3.2) | 6-19 |
|  |  | | Mid dose | 8 | 41.7 (18.2) | 19-75 |
|  |  | | High dose | 23 | 50.5 (20.6) | 25-100 |
|  | Biceps femoris | | Total | 47 | 42.8 (27.5) | 6-100 |
|  |  | | Low dose | 16 | 16.3 (5.6) | 6-25 |
|  |  | | Mid dose | 7 | 47.2 (22.1) | 19-75 |
|  |  | | High dose | 24 | 59.2 (24.3) | 25-100 |
|  | Gracilis | | Total | 11 | 37.2 (14.5) | 13-56 |
|  |  | | Low dose | 2 | 13.8 (1.8) | 13-15 |
|  |  | | Mid dose | 5 | 41.3 (8.4) | 38-56 |
|  |  | | High dose | 4 | 43.8 (12.5) | 25-50 |
| **Adducted thigh** | Total | | Total | 23 | 129.4 (52.0) | 25-200 |
|  |  | | Low dose | 4 | 42.2 (11.8) | 25-50 |
|  |  | | Mid dose | 8 | 128.9 (21.1) | 94-150 |
|  |  | | High dose | 11 | 161.4 (37.7) | 125-200 |
|  | Gracilis | | Total | 16 | 31.3 (12.8) | 13-50 |
|  |  | | Low dose | 2 | 12.5 (0.0) | 13-13 |
|  |  | | Mid dose | 6 | 28.4 (6.0) | 19-38 |
|  |  | | High dose | 8 | 38.1 (12.8) | 25-50 |
|  | Adductor longus/brevis | | Total | 23 | 70.9 (26.5) | 16-100 |
|  |  | | Low dose | 4 | 25.0 (9.2) | 16-38 |
|  |  | | Mid dose | 8 | 67.5 (9.4) | 56-75 |
|  |  | | High dose | 11 | 90.0 (14.1) | 65-100 |
|  | Adductor magnus | | Total | 21 | 40.2 (22.6) | 9-100 |
|  |  | | Low dose | 3 | 14.6 (6.5) | 9-22 |
|  |  | | Mid dose | 8 | 40.1 (22.1) | 19-75 |
|  |  | | High dose | 10 | 48.0 (21.4) | 25-100 |

LL, lower limb; U, units