

Additional file 3. Model 3 after stepwise variable selection in logistic regression

| Indicator | | Pre- imputation | Post- imputation | | | | | Pooled estimates ** OR (95% CI) |
|---|----------|---|---|---|---|---|---|------------------------------------|
| | | Complete case OR (95% CI) | 1 st imputation OR (95% CI) | 2 nd imputation OR (95% CI) | 3 rd imputation OR (95% CI) | 4 th imputation OR (95% CI) | 5 th imputation OR (95% CI) | |
| Ataxia of gait (walking) | No* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Yes | 6.55 (3.59-11.94) | 4.70 (2.75-8.04) | 5.84 (3.38-10.11) | 4.40 (2.64-7.33) | 5.24 (3.04-9.04) | 4.94 (2.93-8.33) | 5.00 (2.80-8.95) |
| Heel to shin ataxia | No* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Yes | 4.02 (2.17-7.46) | 3.34 (1.90-5.88) | 3.84 (2.16-6.83) | 3.28 (1.91-5.63) | 3.64 (2.06-6.45) | 3.17 (1.83-5.49) | 3.45 (1.92-6.19) |
| Grey to bluish discoloration of the oral cavity | No* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Yes | 4.61 (2.27-9.35) | 4.12 (2.16-7.85) | 4.42 (2.31-8.47) | 3.77 (2.05-6.93) | 4.49 (2.33-8.65) | 4.13 (2.22-7.69) | 4.18 (2.18-8.03) |
| Dysdiadochokin esis | No* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Yes | 5.69 (3.06-10.58) | 5.13 (2.93-8.97) | 4.58 (2.62-8.02) | 4.20 (2.49-7.09) | 4.49 (2.57-7.86) | 4.03 (2.37-6.87) | 4.47 (2.5-8) |
| Excessive salivation | No* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Yes | 16.8 (7.51-37.57) | 13.24 (6.50-26.99) | 13.52 (6.61-27.66) | 9.09 (4.70-17.56) | 11.68 (5.73-23.80) | 9.81 (5.02-19.17) | 11.33 (5.13-25.00) |
| Loss of hair | No* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Yes | 8.25 (3.49-19.53) | 5.94 (2.74-12.87) | 5.53 (2.55-12.02) | 4.47 (2.18-9.19) | 6.33 (2.9-13.83) | 4.99 (2.39-10.41) | 5.41 (2.4-12.21) |
| Matchbox- test | ≤17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | >17 | 4.10 (2.07-8.13) | 4.11 (2.18-7.73) | 3.81 (2.02-7.17) | 3.50 (1.92-6.38) | 3.98 (2.11-7.54) | 3.49 (1.90-6.41) | 3.77 (1.98-7.17) |
| Proteinuria | No* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Yes | 3.32 (1.49-7.40) | 3.60 (1.74-7.44) | 3.75 (1.80-7.81) | 4.10 (2.04-8.23) | 4.65 (2.22-9.75) | 4.12 (2.03-8.37) | 4.03 (1.90-8.55) |
| Sleep disturbances | No* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Yes | 3.76 (1.96-7.18) | 2.97 (1.64-5.40) | 3.08 (1.69-5.59) | 2.90 (1.63-5.13) | 2.87 (1.57-5.24) | 3.03 (1.70-5.40) | 2.97 (1.64-5.37) |
| Pencil tapping- test | ≤45 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | >45 | 4.02 (2.18-7.41) | 3.72 (2.13-6.50) | 3.75 (2.13-6.59) | 3.63 (2.13-6.20) | 3.56 (2.03-6.26) | 3.85 (2.23-6.65) | 3.7 (2.12-6.46) |
| Hg in urine (µg/l) | ≤ 7* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | >7 to | 2.21 (0.75-6.46) | 2.44 (0.96-6.24) | 1.51 (0.58-3.92) | 2.25 (0.91-5.55) | 3.01 (1.17-7.72) | 2.44 (0.98-6.06) | 2.28 (0.78-6.68) |
| | > 25 | 19.84 (5.45- 72.19) | 15.32 (4.88-48.14) | 10.96 (3.45-34.83) | 13.56 (4.48-41.04) | 19.06 (6-60.52) | 16.3 (5.31-50.07) | 14.79 (4.36-50.17) |
| Hg urine/crea (µg/g) | ≤5* | 1 | 1 | | 1 | 1 | 1 | 1 |
| | >5 to | 9.57 (3.06-29.91) | 5.92 (2.21-15.83) | 8.43 (3.05-23.32) | 4.12 (1.61-10.54) | 5.32 (1.98-14.26) | 3.78 (1.47-9.73) | 5.29 (1.61-17.38) |
| | >20 | 26.5 (6.8-102.73) | 14.78 (4.53-48.27) | 20.34 (5.97-69.38) | 9.59 (3.11-29.62) | 13.21 (4.04-43.26) | 9.17 (2.93-28.64) | 12.84 (3.27-50.47) |
| BIC | | 453.26 | 452.67 | 448.13 | 491.16 | 446.32 | 477.01 | 463.06 *** |
| * reference group | | ** calculated according to Rubin's rules | | *** averaged over five imputation datasets | | | | |

