

Supplementary Information for

## **Critical Period After Stroke Study (CPASS): A Phase II Clinical Trial Testing an Optimal Time for Motor Recovery After Stroke in Humans**

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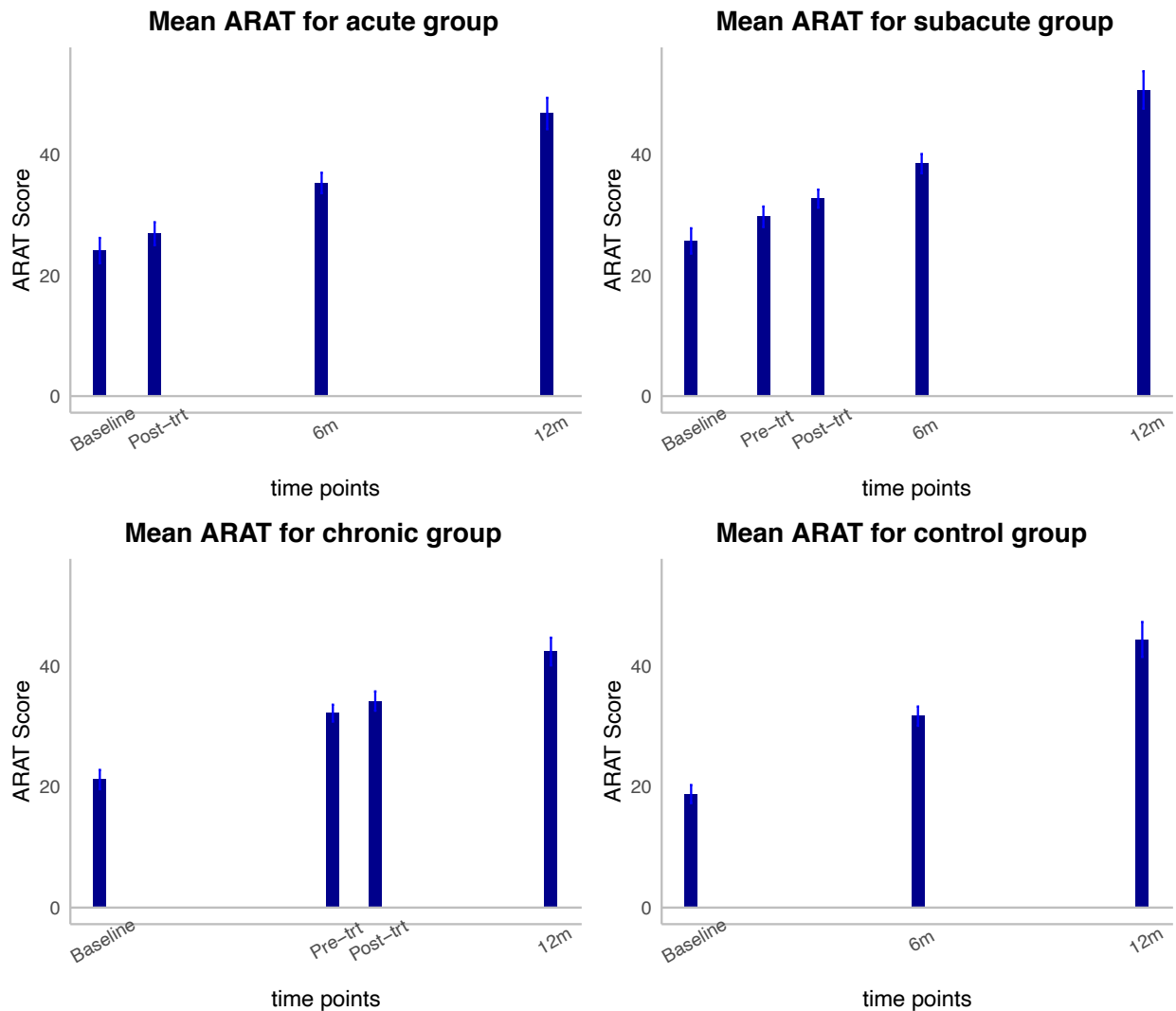
Figure S1  
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**Figure S1.** Mean ARAT scores (and standard errors) for each group at baseline, 6month, 12month, pre-treatment, and post-treatment, shown at the average time at which the assessments occurred for the group.



**Figure S1.** Mean ARAT scores (and standard errors) for each group at baseline, 6month, 12month, pre-treatment, and post-treatment assessments, shown at the average time at which the assessments occurred for the group. Baseline, 6-month, and 12-month assessments occurred at approximately the same time after stroke for all groups. The control group underwent assessments only at these three timepoints. However, because the groups differed in when their intervention was administered, each group underwent their pre- and post-intervention assessments at different time-points during the study period. Baseline and pre-intervention assessment were the same for the acute group; pre-intervention and 6-month assessment were the same for the chronic group. The mean ARAT scores (and standard errors) are plotted at the study group's average day of assessment at each time-point.

**Supplemental Table S1: Study measures and time points of administration**

| Measure   | Domain                                    | Baseline      | Pretreat | Post-Treat | 6 Months | 12 Months |
|---|---|---------------|----------|------------|----------|-----------|
| <i>Primary outcome and randomization</i>                |   |               |          |            |          |           |
| Action Research Arm Test (1, 2)                         | Motor function limitation (performance)   | x             | x        | x          | x        | x         |
| Age   | Covariate                                 | x             |          |            |          |           |
| Oxfordshire classification (3)                          | Covariate (lesion type)                   | x             |          |            |          |           |
| Edinburgh Inventory (4)                                 | Covariate (handedness)                    | x             |          |            |          |           |
| NIH Stroke Scale (5)                                    | Stroke severity                           | x             | x        | x          | x        | x         |
| <i>Inclusion/exclusion criteria</i>                     |   |               |          |            |          |           |
| Motor Assessment Scale (6)                              | UE Motor functional limitation            | x             |          |            |          |           |
| Manual Muscle Test (7)                                  | Muscle strength and function              | x             |          |            |          |           |
| Short Blessed Orientation Memory Concentration Test (8) | Dementia screen                           | x             |          |            |          |           |
| Mesulam Symbol Cancellation Test (9)                    | Visuospatial neglect                      | x             |          |            |          |           |
| Charlson Comorbidity Index (10)                         | Covariate (medical complexity)            | x             |          |            |          |           |
| <i>Motor (UE)</i>                                       |   |               |          |            |          |           |
| Nine-hole Peg Test (11)                                 | Motor functional limitation               | x             | x        | x          | x        | x         |
| Fugl-Meyer Upper Arm (12)                               | Motor functional limitation (performance) | x             |          |            |          | x         |
| Motricity Index (13)                                    | Measure of motor loss                     | x             | x        | x          | x        | x         |
| <i>Self-Report</i>                                      |   |               |          |            |          |           |
| Motor Activity Log (14)                                 | Motor disability (self-report)            |               | x        | x          | x        | x         |
| Stroke Impact Scale-perception of change (15)           | Stroke-specific quality of life           | x             | x        | x          |          | x         |
| Stroke Impact Scale Hand-Arm subscale (15)              | Stroke-specific quality of life           | x             | x        | x          |          | x         |
| <i>Handicap and ADL</i>                                 |   |               |          |            |          |           |
| Modified Rankin Scale (16)                              | Handicap/Global outcome                   | x (prestroke) | x        | x          |          | x         |
| Functional Independence Measure (17)                    | ADL disability                            | x             | x        | x          | x        | x         |
| Barthel Index (18)                                      | ADL disability                            | x             | x        | x          | x        | x         |
| <i>Participation</i>                                    |   |               |          |            |          |           |
| Activity Card Sort (19)                                 | Participation                             |               | x        | x          | x        | x         |
| Reintegration to Normal Living (20)                     | Participation                             |               |          | x          | x        | x         |
| <i>Other/covariate</i>                                  |   |               |          |            |          |           |
| Geriatric Depression Scale (21)                         | Depression screen/covariate               | x             | x        |            | x        | x         |
| Faces Scale (22)  | Pain (visual analogue)                    | x             | x        | x          | x        | x         |
| Medication Inventory (23)                               | Covariate (recovery-modifying drugs)      | x             | x        | x          | x        | x         |

**Table S1** presents the study measures, domain assessed, and timepoint administered. The table is organized to present measures first used for randomization and primary outcome, inclusion/exclusion criteria, UE motor assessment, self-report, assessment of ADL ability and global handicap, participation and other covariates. Reference numbers are presented with the measure name.

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