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Supplementary table 1: Study part 3 - Baseline psychomotor test *

| Variables | Group S |  | Group P |  | P value ${ }^{\text {\# }}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | Median | IQR | Median | IQR |  |
| Edinburgh <br> Handedness <br> Inventory scores | 90 | 14.5 | 90 | 19 | 0.29 |
| Card rotation <br> test score | $98 \%$ | 0 | $95 \%$ | 0 | 0.81 |
| Cube <br> comparison test <br> scores | $90 \%$ | 10 | 90 | 0 | 0.81 |
| Map planning <br> test scores | $97 \%$ | 0 | $97 \%$ | 0 | 0.61 |

*All parametric data were summarized as mean and standard deviation. All non-parametric data were summarized as median and inter-quartile range.

Supplementary table 2: Study part 3- Demographics, parity and type of delivery*

| Demographics |  |  | Group S | Group P P |  |  | $P$ value |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mean age in years (SD) |  |  | 31 (5) | $31(5)$ |  |  | 0.58** |
| Median weight in Kgs ( 25 th,75 th percentile) |  |  | $70(62,83)$ | 68(62,80) |  |  | 0.64*** |
| Median Height in cms (25 th,75 th percentile) |  |  | $164(160,169)$ | $164(161,169)$ |  |  | 0.85*** |
| Median BMI (25 th, 75 th percentile) |  |  | $26.7(23,29.7)$ | 25.1 (23,28.7) |  |  | 0.33*** |
| Groups | Para 0 (n) | Para 1 (n) | Para 2 (n) | Para 3 (n) |  | Para 4 (n) | $P$ value |
| Group S | 39 | 29 | 8 | 3 |  | 1 | 0.21 ${ }^{\text {\# }}$ |
| Group P | 35 | 12 | 10 | 3 |  | 0 |  |
| Groups | Normal delivery(n) |  | Instrumental delivery(n) |  | Caesarean section <br> (n) |  | $P$ value |
| Group S | 52 |  | 15 |  | 13 |  | 0.97\# |
| Group P | 38 |  | 12 |  | 10 |  |  |

*All parametric data were summarized as mean and standard deviation. All non-parametric data were summarized as median and inter-quartile range.

* *Students $t$ - test
*** Mann Whitney- U test

Supplementary table 3: Study part 3 - Video assessments*

| Variables | Group S | Group P |
| :--- | :--- | :--- |
| Number of videos | 1 | 11 |
| Mean number of <br> errors based on <br> metrics** | 16.5 | 4.3 |
| IRR | 0.96 | 0.96 |

*All parametric data were summarized as mean and standard deviation. All non-parametric data were summarized as median and inter-quartile range.
** As group S had only one participant, could not report SD.

