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Measures Associated With Early, Late, and Persistent Clinically Significant Symptoms of Depression 1 Year After Stroke in the AFFINITY Trial

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eTable 3. Risk ratio of stroke participants showing evidence of clinically significant symptoms of depression as determined by a PHQ-9 score ≥ 9 [‡] over a period of 52 weeks according to their baseline characteristics.

| | | Early depression N=237 RR (95%CI) [†] | Late depression N=48 RR (95%CI) | Persistent depression N=76 RR (95%CI) |
|--|-------------------------|--|---------------------------------------|---|
| Age in years | < 60 | 1 (Reference) | 1 (Reference) | 1 (Reference) |
| | 60-69 | 1.08 (0.75-1.56) | 1.35 (0.62-2.92) | 1.34 (0.70-2.57) |
| | ≥ 70 | 1.02 (0.69-1.52) | 1.58 (0.73-3.41) | 2.57 (1.37-4.82) |
| Female sex | | 1.35 (0.98-1.85) | 1.48 (0.80-2.75) | 1.04 (0.62-1.77) |
| Marital status not married or partnered | | 0.681 (0.43-1.10) | 0.92 (0.40-2.14) | 0.36 (0.14-0.93) |
| Living alone | | 1.50 (0.82-2.72) | 0.57 (0.17-1.85) | 0.93 (0.27-3.22) |
| Country | Vietnam | 1 (Reference) | 1 (Reference) | 1 (Reference) |
| | Australia / New Zealand | 1.91 (1.31-2.77) | 2.65 (1.30-5.39) | 1.58 (0.87-2.84) |
| Mild to moderate disability pre-stroke | | 1.99 (0.85-4.68) | 2.69 (0.73-9.95) | 1.18 (0.25-5.57) |
| Stroke classification | POCS | 1 (Reference) | 1 (Reference) | 1 (Reference) |
| | Haemorrhagic | 1.40 (0.81-2.39) | 1.05 (0.32-3.51) | 0.42 (0.16-1.11) |
| | LACS | 1.79 (1.08-2.95) | 1.89 (0.69-5.21) | 0.63 (0.26-1.50) |
| | PACS | 0.96 (0.61-1.52) | 1.60 (0.65-3.92) | 0.76 (0.39-1.46) |
| | TACS | 1.24 (0.62-2.48) | 0.84 (0.16-4.41) | 0.66 (0.23-1.86) |
| | Uncertain* | — | 7.73 (0.67-89.26) | 3.81 (0.34-42.41) |
| Doubling of NIHSS | | 2.05 (1.65-2.54) | 1.52 (1.03-2.24) | 2.82 (1.95-4.09) |
| Depression before stroke requiring treatment | | 2.48 (1.16-5.31) | 2.79 (0.86-9.06) | 5.00 (1.84-13.59) |
| Assigned treatment with placebo [#] | | 1.13 (0.84-1.53) | 1.24 (0.68-2.25) | 1.03 (0.63-1.68) |

[‡]Early depression indicated by a PHQ-9 ≥ 9 at baseline or weeks 4 or 12 only; late depression indicated by PHQ-9 ≥ 9 at weeks 26 or 52 only; persistent depression indicated by both PHQ-9 ≥ 9 before or at week 12 and again at week 26 or 52.

The analyses were limited to the 1159 participants who were alive and had not been lost by week 52.

[†]Risk ratio (RR) derived multinomial logistic regression. All listed measures were entered simultaneously in the model and the reported risk ratios indicate the main effect of the exposures. Bold print used to highlight statistically significant associations.

95%CI: 95% confidence interval.

mRS: Modified Rankin Scale.

LACS: Lacunar stroke; PACS: Partial Anterior Circulation stroke; POCS: Posterior Circulation stroke; TACS: Total Anterior Circulation stroke

*Uncertain includes 3 cases with unrecorded classification and 4 whose diagnosis of stroke was questionable.

[#]Participants were randomly assigned treatment with fluoxetine or placebo for 26 weeks (6 months).