**Table 3**. Results of factor analysis stratified by diagnosis group

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Symptom*** | ***Factor 1*** | ***Factor 2*** | ***Factor 3*** | ***Factor 4*** |
| ***MCI (49.4% explained variance)*** | | | | |
| Appetite/Eating  Apathy  Depression  Motor disturbance  Anxiety  Nighttime behaviors  Elation/Euphoria  Disinhibition  Agitation/Aggression  Irritability/Lability  Hallucinations  Delusions | 0.633  0.629  0.624  0.553  0.554  0.466  0.065  0.208  0.226  0.387  0.031  0.031 | 0.077  0.249  0.084  0.160  -0.036  0.238  0.723  0.717  0.589  0.516  0.001  0.428 | -0.046  0.144  0.363  -0.116  0.504  0.166  -0.149  0.118  0.322  0.285  0.770  0.646 |  |
| % explained variance | 30.5 | 9.7 | 9.1 |  |
| Cronbach’s alpha | 0.697 | 0.663 | 0.525 |  |
| ***Mild AD (47.7% explained variance)*** | | | | |
| Depression  Anxiety  Appetite/Eating  Apathy  Nighttime behaviors  Motor disturbance  Disinhibition  Elation/Euphoria  Irritability/Lability  Agitation/Aggression  Hallucinations  Delusions | 0.713  0.646  0.632  0.530  0.397  0.382  0.160  -0.097  0.349  0.332  0.086  0.135 | 0.100  0.142  -0.012  0.343  0.082  0.375  0.743  0.674  0.602  0.513  -0.013  0.287 | 0.119  0.132  0.088  -0.052  0.265  -0.024  0.163  0.010  0.134  0.353  0.829  0.733 |  |
| % explained variance | 29.1 | 9.3 | 9.2 |  |
| Cronbach’s alpha | 0.644 | 0.645 | 0.519 |  |
| ***Moderate/Severe AD (58.1 explained variance)*** | | | | |
| Disinhibition  Apathy  Agitation/Aggression  Appetite/Eating  Irritability/Lability  Nighttime behaviors  Hallucinations  Delusions  Depression  Anxiety  Elation/Euphoria  Motor disturbance | 0.673  0.634  0.629  0.581  0.554  0.414  -0.023  0.311  0.244  0.053  0.014  0.224 | 0.168  -0.005  0.419  -0.181  0.254  0.272  0.844  0.786  0.147  0.124  0.023  0.091 | -0.209  0.312  0.035  0.327  0.199  0.256  0.119  0.116  0.792  0.780  -0.030  0.271 | 0.200  0.037  -0.016  -0.046  0.256  0.110  0.127  -0.013  -0.010  0.192  0.877  0.554 |
| % explained variance | 29.6 | 10.5 | 9.1 | 8.9 |
| Cronbach’s alpha | 0.691 | 0.665 | 0.652 | 0.239 |