

**Delirium Detection in Hospitalized Adults: The Performance of the 4 'A's Test and the modified Confusion Assessment Method for the Emergency Department. A Comparison Study.**

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*Table 6* Differences in delirium screening: List of algorithms and false-positive ratings of 4AT per participant

|                    | <b>Algorithm of the mCAM-ED and the 4AT</b> |      |           |   |                       |   |             |           |   |
|--------------------|---------------------------------------------|------|-----------|---|-----------------------|---|-------------|-----------|---|
|                    | mCAM-ED                                     |      | 4AT       |   | mCAM-ED               |   | 4AT         |           |   |
|                    | ED                                          |      | 4AT       |   | ED                    |   | 4AT         |           |   |
|                    | 1a                                          | 1b   | 4         | 2 | 3                     | 3 | 2           | 4         | 1 |
|                    | Acute onset or fluctuation                  |      | Attention |   | Disorganized thinking |   | Orientation | Alertness |   |
| <b>Participant</b> |                                             |      |           |   |                       |   |             |           |   |
| 17                 | 0                                           | 1    | 1         | 0 | 0                     | 0 | 0           | 1         | 1 |
| 42                 | 1                                           | 0    | 1         | 0 | 1                     | 0 | 1           | 0         | 0 |
| 48                 | n.a.                                        | 0    | 0         | 1 | 1                     | 0 | 1           | 1         | 1 |
| 102                | 1                                           | 0    | 1         | 0 | 0                     | 0 | 0           | 0         | 0 |
| 157                | 0                                           | n.a. | 0         | 1 | 1                     | 0 | 0           | 1         | 1 |
| 161                | 0                                           | 0    | 0         | 0 | 1                     | 0 | 0           | 1         | 1 |
| 175                | 0                                           | 1    | 1         | 0 | 0                     | 1 | 0           | 1         | 1 |
| 182                | 1                                           | 0    | 1         | 1 | 1                     | 0 | 1           | 0         | 0 |

0= not present; 1= present; n.a.= not assessable; the 4AT= the 4 'A's Test; the mCAM-ED= the modified Confusion Assessment Method for the Emergency Department.

The mCAM-ED algorithm: 1a= acute onset; 1b= fluctuations; 2= attention; 3= disorganized thinking; 4= alertness.

Delirium is considered to be given when: (1a or 1b) and 2 and (3 and/or 4) are present. The 4AT: 1= alertness, 2= orientation, 3= attention, 4= acute onset or fluctuations. The cumulative score is between 0-12. For items 1 and 4 either 0 or 4 points, and for item 2 and 3 either 0, 1 or 2 points. Delirium is likely at  $\geq 4$  points.