

**SUPPLEMENTARY TABLE 1.** Confusion Assessment Method (CAM).

Feature	Description	Diagnostic criteria
Acute onset and fluctuating course	Sudden change in mental status with fluctuations over the day	Required
Inattention	Difficulty focusing, shifting, or sustaining attention	Required
Disorganized thinking	Illogical or incoherent ideas, rambling	Either this or altered consciousness
Altered level of consciousness	Any level other than alert (e.g., lethargic, stuporous)	Either this or disorganized thinking

Diagnosis requires the presence of features (1) and (2), plus either (3) or (4).

**SUPPLEMENTARY TABLE 2.** Delirium Rating Scale-Revised-98 (DRS-R-98).

Item	Domain	Score range
1	Sleep–wake cycle disturbance	0–3
2	Perceptual disturbances/hallucinations	0–3
3	Delusions	0–3
4	Lability of affect	0–3
5	Language abnormalities	0–3
6	Thought process abnormalities	0–3
7	Orientation	0–3
8	Attention	0–3
9	Short-term memory	0–3
10	Long-term memory	0–3
11	Visuospatial ability	0–3
12	Psychomotor behavior	0–3
13	Temporal onset of symptoms	0–3
14	Fluctuation of symptoms	0–3
15	Physical disorder present	0–3
16	Overall severity	0–3

Total score ranges from 0 to 46. Higher scores indicate more severe delirium.

**SUPPLEMENTARY TABLE 3.** Memorial Delirium Assessment Scale (MDAS)

Item	Domain	Score range
1	Level of consciousness	0–3
2	Orientation	0–3
3	Short-term memory	0–3
4	Attention	0–3
5	Thinking process	0–3
6	Thought content (delusions)	0–3
7	Perceptual disturbances (hallucinations)	0–3
8	Organization of thinking	0–3
9	Psychomotor activity	0–3
10	Mood/affect	0–3

Total score ranges from 0 to 30. A score  $\geq 13$  is suggestive of delirium.

The following supplementary tables provide detailed information on the assessment tools used for the diagnosis and evaluation of delirium in this study. Table S1 summarizes the diagnostic features of the Confusion Assessment Method (CAM), which is a widely used bedside tool for identifying delirium. Table S2 outlines the items and scoring system of the Delirium Rating Scale-Revised-98 (DRS-R-98), which assesses both severity and diagnostic domains of delirium. Table S3 presents the Memorial Delirium Assessment Scale (MDAS), including its itemized structure, scoring range, and diagnostic threshold. Together, these tables ensure transparency and reproducibility in the assessment methodology adopted in this study.