

Supplementary Table 1 Abstracted symptoms associated with the DSM-V criteria

DSM-V criteria	Abstracted symptoms
<p>A. The consciousness disorder and reduced ability to sustain, focus, or shift attention</p>	<p>Any verbatim comment e.g. "agitated", "drowsiness", "somnolent", "not alert", "sleep poorly", "fumbles", "pulls out urine probe", "tears of wound dressing" Any formal rating e.g. GCS, RASS</p>
<p>B. An additional disturbance in cognition (eg. memory deficit, disorientation, language, visuospatial ability, or perception).</p>	<p>Any comment e.g. "confused", "disorientated", "talking nonsense", "hallucinations"</p>
<p>C. The cognitive changes that can not be better interpreted as established, pre-existing, or evolving dementia</p>	<p>Any formal assessment e.g. GCS, RASS; any formal cognitive assessment e.g. AMT, MMSE. Any formal specialty assessment, e.g. neurology, geriatric medicine, liaison psychiatry. Any verbatim comment such as "more confused", "comatose", "no response at all"</p>
<p>D. This disturbance develops over a short period of time (hours to days) and fluctuates throughout the day</p>	<p>Any verbatim comment indicating a change in mental state which was recovered in short time after treatment.</p>
<p>E. The evidence from the physical examination, clinical history or laboratory findings indicates disturbance caused by a direct physiologic consequence of medication use, an intoxicating substance, a general medical condition, or more than one cause</p>	<p>General clinical vignette, including metabolic and laboratory parameters taken closest to date of prevalence study.</p>

Abbreviations: AMT: Abbreviated Mental Test

DSM-V: Diagnostic and Statistical Manual of Mental Disorders, 5th edition

GCS: Glasgow Coma Scale

MMSE Mini-Mental State Examination

RASS: Richmond Agitation-Sedation Scale

Supplementary Table 2 Multicollinearity analysis of related risk factors for POD

Collinear statistics		
Variables	Tolerance	Variance inflation factor
Age	0.934	1.070
ASA status ≥ 3	0.950	1.053
SUA/Cr ratio ≤ 3.3	0.985	1.015
Dexmedetomidine	0.980	1.021

Abbreviations: ASA: American Society of Anaesthesiologists

POD: Postoperative Delirium SUA/Cr ratio: Serum Uric Acid to Creatinine ratio