**Supplementary table 1** Decision-making tool associated with TOKS

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| **Decision-making tool** | | |
| **Score** | **Observation frequency and allowed score** | **Action** |
| 0 | Vital signs are measured 1 time every 24 hours | None |
| 1 | Vital signs are measured 3 times every 24 hours | Nurses optimize vital signs |
| 2 | Vital signs are measured again after 1 hour | Nurses optimize vital signs |
| 3-4 or a single score ≥ 2 | Doctor prescribes observation frequency and determines an individual threshold score that should lead to renewed doctor evaluation. | Nurses optimize vital signs and  contacts a junior doctor to evaluate the patient |
| ≥ 5 | Doctor prescribes observation frequency and determines an individual threshold score that should lead to renewed doctor evaluation. | Nurses optimize vital signs and contacts a senior doctor to evaluate the patient |