**Supplemental Table 40. Priotioritized Topic List for Sleep Group**

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| **Answer Options** | **Rating Average** |
| Factors affecting/disrupting sleep - environmental (noise, light, pt care etc) | 5.00 |
| Strategies to improve sleep | 5.00 |
| Objective measurement (ie. processed EEG, PSG) | 4.67 |
| Characteristics of ICU sleep - quality (e.g. efficiency, fragment'n, circadian rhythm) | 4.67 |
| Factors affecting/disrupting sleep - medications | 4.67 |
| Characteristics of ICU sleep - quantity | 4.50 |
| Factors affecting/disrupting sleep - sepsis/critical illness | 4.50 |
| Impact of sleep alterations on cognitive function ( e.g., delirium, memory) | 4.50 |
| Factors affecting/disrupting sleep - intrinsic factors (illness, pain, OSA, RLS/PLMS, age, psych hx) | 4.33 |
| Factors affecting/disruption sleep - mech. vent'n, NIV, vent mode | 4.33 |
| Subjective measurement (ie. questionnaire, observation) | 4.00 |
| Duration/Length of measurement (ie, 24h) | 4.00 |
| Sleep following critical illness - long term consequences | 4.00 |
| Impact of sleep alterations on mortality | 3.83 |
| Sleep disordered breathing in the ICU (e.g. OSA, CSA, Cheynes-Stokes etc) | 3.83 |
| Impact of sleep alterations on mood (e.g. depression) | 3.67 |
| Impact of sleep alterations on muscle endurance/vent. weaning | 3.67 |
| Relationship between sleep alterations and immune function (e.g. cytokines) | 3.50 |
| Impact of pre-ICU sleep history on sleep in the ICU | 3.33 |
| Sleep biomarkers (e.g., urinary melatonin) | 3.17 |
| Sleep, especially REM deprivation, is an adaptive response to critical illness | 2.67 |
| Differences in sleep between different ICU populations (e.g. med vs surg vs neuro) | 2.00 |