

**Table SI.** Search strategy.

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((heart failure) OR (chronic kidney disease) OR (critically ill) OR (critical illness) OR (multiple organ failure) OR (intensive care unit) OR (critical care) OR (ICU) OR (CCU) OR (intensive therapy unit) OR (ITU) OR (acute respiratory failure) OR (acute respiratory distress) OR (ARDS) OR (multiorgan failure) OR (mechanical ventilat\*) OR (mobili\*) OR (sepsis) OR (septic) OR (deep vein thrombosis) OR (DVT) OR (COPD) OR (COAD) OR (chronic obstruct\* pulmonary disease) OR (chronic obstruct\* airway disease) OR (chronic obstruct\* airflow disease) OR (chronic obstruct\* pulmonary disorder) OR (chronic obstruct\* airway disorder) OR (chronic obstruct\* airflow disorder) AND ((muscle strength) OR (muscle dysfunction) or (muscle atrophy) or (muscle degeneration) or (muscle deteriorate\*) OR (intensive care unit acquired weakness) OR (ICUAW)) AND ((electrical stimulation) OR (neuromusc\* stimulation) OR (function\* stimulation))

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