

Appendix 1 Search strategies

Pubmed

#1 "Respiration, Artificial"[Mesh]
 #2 Artificial Respiration* OR Mechanical Ventilation* [All Fields]
 #3 #1 OR #2
 #4 "Muscle Weakness"[Mesh]
 #5 muscle strength loss OR muscular insufficiency OR neuromuscular fatigue
 Muscle Weak* OR Muscular Weakness* [Title/Abstract]
 #6 #4 OR #5
 #7 "Intensive Care Units" [Mesh]
 #8 Intensive care OR Critical illness OR ICU OR close attention unit OR critical care unit OR intensive therapy unit OR intensive treatment unit OR respiratory care unit* OR special care unit [Title/Abstract]
 #9 #7 OR #8
 #10 #6 AND #9
 #11 intensive care unit acquired weak* OR Critically ill myopathy OR ICU-AW
 critical illness polyneuropathy [Title/Abstract]
 #12 #10 OR #11
 #13 Adrenal Cortex Hormones"[Mesh]
 #14 Corticosteroid* OR Corticoid* OR Adrenal Cortex Hormone* OR adrenal steroid OR dermocorticosteroid [All Fields]
 #15 #13 OR #14
 #16 #3 AND #12 AND #15

Cochrane Library

#1 MeSH descriptor: [Respiration, Artificial] explode all trees
 #2: (Artificial Respiration*):ti,ab,kw OR (Mechanical Ventilation*):ti,ab,kw
 #3: #1 OR #2
 #4 MeSH descriptor: [Muscle Weakness] explode all trees
 #5 muscle strength loss OR muscular insufficiency OR neuromuscular fatigue Muscle Weak* OR Muscular Weakness :ti,ab,kw
 #6 #4 OR #5
 #7 MeSH descriptor: [Intensive Care Units] explode all trees
 #8: Intensive care OR Critical illness OR ICU OR close attention unit OR critical care unit OR intensive therapy unit OR intensive treatment unit OR respiratory care unit* OR special care unit :ti,ab,kw
 #9 #7 OR #8
 #10 intensive care unit acquired weak* OR Critically ill myopathy OR ICU-AW
 critical illness polyneuropathy:ti,ab,kw
 #11 #6 AND #9
 #12 #11 OR #10
 #13 MeSH descriptor: [Adrenal Cortex Hormones] explode all trees
 #14 Corticosteroid* OR Corticoid* OR Adrenal Cortex Hormone* OR adrenal steroid OR dermocorticosteroid :ti,ab,kw
 #15 #13 OR #14
 #16 #3 AND #12 AND #15

Web of Science

#1 Artificial Respiration* (topic) OR Mechanical Ventilation* (topic) OR Mechanical
 #2 Muscle Weakn*(topic) OR muscle strength loss(topic) OR muscular insufficiency(topic) OR neuromuscular fatigue Muscle

Weak* (topic) OR Muscular Weakness(topic)

#3 Intensive Care Units(topic) OR Intensive care(topic) OR Critical illness (topic) OR ICU (topic) OR close attention unit (topic) OR critical care unit(topic) OR intensive therapy unit(topic) OR intensive treatment unit (topic) OR respiratory care unit* (topic) OR special care unit(topic)

#4 intensive care unit acquired weak*(topic) OR Critically ill myopathy(topic) OR ICU-AW(topic) OR critical illness polyneuropathy(topic)

#5 Adrenal Cortex Hormones(All Fields) OR Corticosteroid*(All Fields) OR Corticoid*(All Fields) OR Adrenal Cortex Hormone*(All Fields) OR adrenal steroid (All Fields)OR dermocorticosteroid(All Fields)

#6 #2 AND #3

#7 #6 OR #4

#8 #7 AND #1 AND #5

EMBASSE

#1‘Artificial Ventilation’/exp OR ‘Mechanical Ventilation’:ab,ti OR ‘Artificial respiration’:ab,ti

#2 ‘Muscle Weakness’/exp OR ‘muscle strength loss’:ab,ti OR ‘muscular insufficiency’:ab,ti OR ‘neuromuscular fatigue Muscle Weak* ’:ab,ti OR ‘Muscular Weakness’:ab,ti

#3 Intensive Care Unit’ /exp OR Intensive care’:ab,ti OR Critical illness’:ab,ti OR ICU ’:ab,ti OR close attention unit ’:ab,ti OR critical care unit’:ab,ti OR intensive therapy unit’:ab,ti OR intensive treatment unit ’:ab,ti OR respiratory care unit* ’:ab,ti OR special care unit’:ab,ti

#4 intensive care unit acquired weak* ’:ab,ti OR Critically ill myopathy ’:ab,ti OR ICU-AW ’:ab,ti OR critical illness polyneuropathy ’:ab,ti

#5 Corticosteroid’ /exp OR Corticoid*OR Adrenal Cortex Hormone* OR adrenal steroid OR dermocorticosteroid

#6 #2 AND #3

#7 #4 OR #6

#8 #1 AND #5 AND #7

VIP

（机械通气患者OR机械通气治疗OR机械通气支持年）AND（重症监护室获得性衰ORICU获得性衰OR ICU-AW OR获得性衰弱OR危重病性多发性神经病OR危重病性肌病）AND（（皮质类固醇 OR 糖皮质激素OR地塞米松 OR 泼尼松 OR 甲泼尼松）

CNKI

（全文：机械通气患者 + 机械通气治疗 + 机械通气支持(精确)）AND（篇文摘：重症监护室获得性衰弱 +ICU获得性衰弱 + ICU-AW + 获得性衰弱 + 危重病性多发性神经病 + 危重病性肌病 + (精确)）AND（全文：皮质类固醇 + 糖皮质激素 + 地塞米松 + 泼尼松 + 甲泼尼松）(精确)

Wanfang

（机械通气患者OR机械通气治疗OR机械通气支持）AND（重症监护室获得性衰弱ORICU获得性衰弱OR ICU-AW OR获得性衰弱OR危重病性多发性神经病OR危重病性肌病）AND（皮质类固醇 OR糖皮质激素 OR地塞米松 OR泼尼松 OR甲泼尼松）

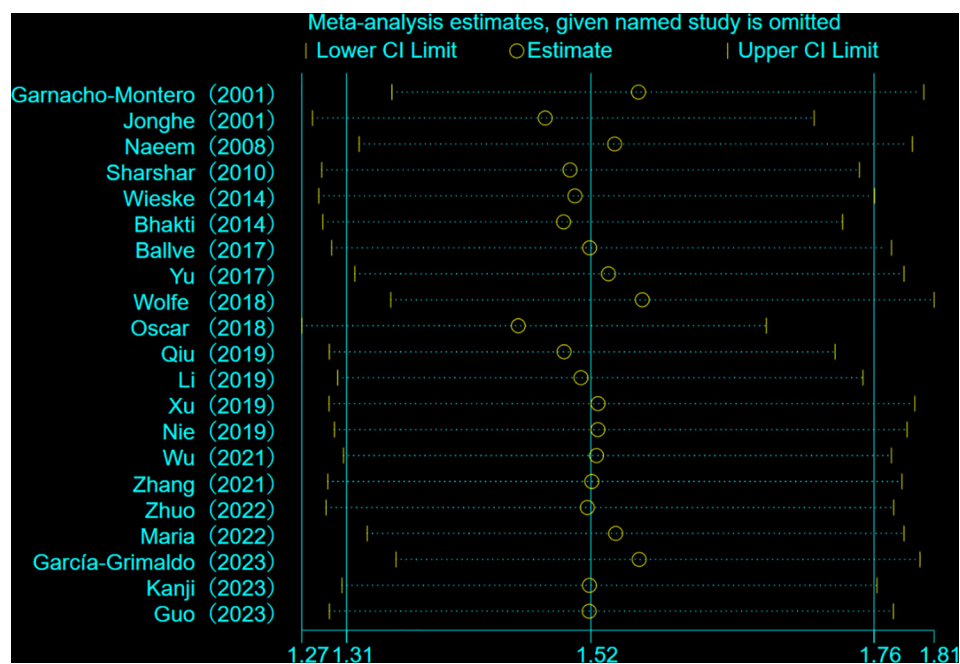


Figure S1 Sensitivity analysis.