**Appendix 1**

Embase search strategy:

'myotonic dystrophy'/exp OR 'myoton\* dystroph\*':ab,ti,kw OR 'myoton\* atrophica':ab,ti,kw OR 'steinert\* disease':ab,ti,kw

AND

'sleep disordered breathing'/exp OR 'sleep disordered breathing':ti,ab,kw OR 'respiratory failure'/exp OR 'apn\* sleep':ti,ab,kw OR 'nocturnal apn\*':ti,ab,kw OR 'obstructive apn\*':ti,ab,kw OR 'respiratory insufficiency':ti,ab,kw OR 'sleep apn\*':ti,ab,kw OR 'sleep hypopn\*':ti,ab,kw OR 'central apn\*':ti,ab,kw OR osa\*:ti,ab,kw OR hypercapn\*:ti,ab,kw OR hypoventilation:ti,ab,kw

AND

'artificial ventilation'/exp OR niv:ti,ab,kw OR hmv:ti,ab,kw OR 'bilevel positive airway pressure':ti,ab,kw OR 'ventilator\* support':ti,ab,kw OR 'positive pressure respiration':ti,ab,kw OR 'ventilator requirement':ti,ab,kw OR ventilation:ti,ab,kw OR bpap:ti,ab,kw

Pubmed search strategy:

("Myotonic Dystrophy"[Mesh] OR myotonic dystroph\*[tiab] OR myotonia atrophica[tiab] OR steinerts disease[tiab] OR steinert’s disease[tiab] OR steinert disease[tiab])

AND

("Respiratory Insufficiency"[Mesh] OR respiratory failure\*[tiab] OR respiratory insufficienc\*[tiab] OR "sleep apnea syndromes"[Mesh] OR sleep apn\*[tiab] OR sleep hypopn\*[tiab] OR sleep-disordered breathing[tiab] OR central apn\*[tiab] OR alveolar hypoventilation\*[tiab] OR obstructive apn\*[tiab] OR OSA\*[tiab] OR hypercapn\*[tiab] OR apn\*[tiab] OR hypoventilation[tiab])

AND

("Respiration, Artificial"[Mesh] OR artificial respiration\*[tiab] OR noninvasive ventilation[tiab] OR non-invasive ventilation[tiab] OR NIV[tiab] OR HMV[tiab] OR bilevel positive airway pressure[tiab] OR ventilator\* support[tiab] OR positive pressure respiration[tiab] OR ventilator requirement[tiab] OR ventilation[tiab])