***Extended data*: File 1: Search strategy for all databases used**

### PubMed

|  |  |  |
| --- | --- | --- |
| # | Query | Results |
| #1 | Palliative care | 80,128  |
| #2 | "Palliative care"[Mesh]"  | 54,023 |
| #3 | Respiratory insufficiency  | 77,905 |
| #4 | "Respiratory insufficiency" [Mesh]  | 62,496 |
| #5 | Neuromuscular respiratory failure  | 2,797 |
| #6 | Muscular dystrophy  | 36,241 |
| #7 | "Muscular dystrophies"[Mesh]  | 26,629 |
| #8 | Muscular dystrophies  | 27,874 |
| #9 | Neuromuscular disorder  | 314,864 |
| #10 | "Neuromuscular diseases"[Mesh]  | 306,232 |
| #11 | Neuromuscular disorders  | 318,213  |
| #12 | Neuromuscular disease  | 319,272 |
| #13  | Neuromuscular diseases  | 313,125 |
| #14 | Motor neuron disease  | 33,281 |
| #15 | "Motor neuron disease"[Mesh]  | 27,750 |
| #16 | Motor neuron diseases  | 34,253 |
| #17 | Motoneuron disease  | 25,001 |
| #18 | Motoneuron diseases  | 25,001 |
| #19 | Metabolic myopathy  | 45,813 |
| #20 | Metabolic myopathies  | 45,813  |
| #21 | Congenital myopathy  | 8,948 |
| #22 | Congenital myopathies  | 8,948 |
| #23 | Congenital muscular disease  | 8,937 |
| #24 | Congenital muscular diseases  | 8,265 |
| #25 | Inherited myopathy  | 4,777 |
| #26 | Inherited myopathies  | 4,777 |
| #27 | Neuromuscular junction disorder  | 21,119 |
| #28 | Neuromuscular junction disorders  | 21,505 |
| #29 | Peripheral nervous system disease  | 163,126 |
| #30 | Peripheral nervous system diseases  | 156,981 |
| #31 | Guillain barre syndrome  | 10,405 |
| #32 | Guillain-barre syndrome"[Mesh]  | 5,073 |
| #33 | Miller Fisher syndrome  | 1,125 |
| #34 | "Miller Fisher syndrome"[Mesh]  | 613  |
| #35 | Duchenne muscular dystrophy  | 12,247 |
| #36 | "Muscular dystrophy, Duchenne"[Mesh]  | 5,446 |
| #37 | Duchenne muscular dystrophies  | 9,742 |
| #38 | Amyotrophic lateral sclerosis  | 27,472 |
| #39 | "Amyotrophic Lateral sclerosis"[Mesh]  | 18,821  |
| #40 | Lou Gehrig disease  | 27,494 |
| #41 | Lou Gehrig diseases  | 265  |
| #42 | Charcot disease  | 32,583 |
| #43 | Charcot-Marie-Tooth disease  | 5,009 |
| #44 | "Charcot-Marie-Tooth disease"[Mesh]  | 3,868 |
| #45 | Charcot-Marie-Tooth Diseases  | 5,093 |
| #46 | Multiple sclerosis  | 89,992 |
| #47 | "Multiple sclerosis"[Mesh]  | 58,721 |
| #48 | Myotonic dystrophy  | 6,904 |
| #49 | "Myotonic dystrophy"[Mesh]  | 5,199 |
| #50 | Myotonic dystrophies  | 6,978 |
| #51 | Steinert disease  | 7,167  |
| #52 | Steinert diseases  | 830 |
| #53 | Pompe disease  | 2,545 |
| #54 | Pompe diseases  | 1,907 |
| #55 | Huntington disease  | 20,939  |
| #56 | Huntington diseases  | 22,170 |
| #57 | Myasthenia gravis  | 18,557 |
| #58 | "Myasthenia Gravis"[Mesh]  | 15,463 |
| #59 | Poliomyelitis  | 23,224 |
| #60 | "Poliomyelitis"[Mesh] AND "Poliomyelitis, Bulbar"[Mesh] AND "Postpoliomyelitis Syndrome"[Mesh] | 8 |
| #61 | Dysautonomia, Familial  | 1,432 |
| #62 | "Dysautonomia, Familial[Mesh]  | 1,232 |
| #63  | (((((((((((((((((((((((((((((((((((((((((((((((((((((((((((((Palliative care) OR Respiratory Insufficiency) OR ""Respiratory Insufficiency""[Mesh]) OR Neuromuscular respiratory failure) OR Muscular dystrophy) OR ""Muscular Dystrophies""[Mesh]) OR muscular dystrophies) OR Neuromuscular disorder) OR ""Neuromuscular Diseases""[Mesh]) OR Neuromuscular disorders) OR Neuromuscular disease) OR Neuromuscular diseases) OR Motor Neuron Disease) OR ""Motor Neuron Disease""[Mesh]) OR Motor Neuron Diseases) OR motoneuron disease) OR motoneuron diseases) OR metabolic myopathy) OR metabolic myopathies) OR Congenital myopathy) OR congenital myopathies) OR Congenital Muscular Disease) OR Congenital Muscular Diseases) OR Inherited myopathy) OR inherited myopathies) OR Neuromuscular junction disorder) OR Neuromuscular junction disorders) OR Peripheral Nervous System Disease) OR Peripheral Nervous System Diseases) OR Guillain barre syndrome) OR ""Guillain-Barre Syndrome""[Mesh]) OR ""Palliative Care""[Mesh]) OR Miller Fisher Syndrome) OR ""Miller Fisher Syndrome""[Mesh]) OR Duchenne muscular dystrophy) OR ""Muscular Dystrophy, Duchenne""[Mesh]) OR Duchenne muscular dystrophies) OR Amyotrophic lateral sclerosis) OR ""Amyotrophic Lateral Sclerosis""[Mesh]) OR Lou Gehrig disease) OR Lou Gehrig diseases) OR Charcot disease) OR Charcot-Marie-Tooth Disease) OR ""Charcot-Marie-Tooth Disease""[Mesh]) OR Charcot-Marie-Tooth Diseases) OR Multiple sclerosis) OR ""Multiple Sclerosis""[Mesh]) OR Myotonic dystrophy) OR ""Myotonic Dystrophy""[Mesh]) OR Myotonic dystrophies) OR Steinert Disease) OR Steinert Diseases) OR Pompe disease) OR Pompe diseases) OR Huntington disease) OR Huntington diseases") OR Myasthenia gravis) OR ""Myasthenia Gravis""[Mesh]) OR Poliomyelitis) OR (""Poliomyelitis""[Mesh] AND ""Poliomyelitis, Bulbar""[Mesh] AND ""Postpoliomyelitis Syndrome""[Mesh])) OR Dysautonomia, Familial) OR ""Dysautonomia, Familial""[Mesh]) | 533,424 |
| #64 | High frequency percussive ventilation  | 141 |
| #65 | High-frequency percussive ventilation  | 151 |
| #66 | High frequency oscillatory ventilation  | 1,440 |
| #67 | High-frequency oscillatory ventilation  | 1,434 |
| #68 | High frequency oscillation  | 7,289 |
| #69 | High frequency oscillations  | 9,170 |
| #70 | High-frequency oscillation  | 7,289 |
| #71 | High-frequency oscillations  | 4,496 |
| #72 | High frequency chest wall oscillation  | 404 |
| #73 | High frequency chest wall oscillations  | 182 |
| #74 | High-frequency chest wall oscillations  | 168  |
| #75 | High-frequency chest wall oscillation  | 404 |
| #76 | Chest Wall Oscillation"[Mesh]  | 302 |
| #77 | High frequency chest wall compression  | 427  |
| #78 | High frequency chest wall compressions  | 83  |
| #79 | High-frequency chest wall compression  | 427 |
| #80 | High-frequency chest wall compressions  | 70  |
| #81 | External Chest Wall Oscillation  | 404 |
| #82 | Intrapulmonary percussive ventilation  | 85 |
| #83 | Intrapulmonary percussive ventilations  | 85 |
| #84 | Percussionaire  | 16 |
| #85 | Percussive ventilator  | 302 |
| #86 | Percussive ventilators  | 302 |
| #87 | Intrapulmonary Percussion  | 89 |
| #88 | Intrapulmonary Percussions  | 89 |
| #89 | High-Frequency Assisted Airway Clearance  | 30 |
| #90 | ((((((((((((((((((((((((((high frequency percussive ventilation) OR high-frequency percussive ventilation) OR high frequency oscillatory ventilation) OR high-frequency oscillatory ventilation) OR high frequency oscillation) OR high frequency oscillations) OR high-frequency oscillation) OR high-frequency oscillations) OR high frequency chest wall oscillation) OR high frequency chest wall oscillations) OR high-frequency chest wall oscillations) OR high-frequency chest wall oscillation) OR ""Chest Wall Oscillation""[Mesh]) OR high frequency chest wall compression) OR high frequency chest wall compressions) OR high-frequency chest wall compression) OR high-frequency chest wall compressions) OR External Chest Wall Oscillation) OR Intrapulmonary percussive ventilation) OR Intrapulmonary percussive ventilations) OR Percussionaire) OR percussive ventilator) OR percussive ventilators) OR Intrapulmonary Percussion) OR Intrapulmonary Percussions) OR High-Frequency Assisted Airway Clearance) OR Percussive Ventilation" | 13,769 |
| #91 | ((((((((((((((((((((((((((((high frequency percussive ventilation) OR high-frequency percussive ventilation) OR high frequency oscillatory ventilation) OR high-frequency oscillatory ventilation) OR high frequency oscillation) OR high frequency oscillations) OR high-frequency oscillation) OR high-frequency oscillations) OR high frequency chest wall oscillation) OR high frequency chest wall oscillations) OR high-frequency chest wall oscillations) OR high-frequency chest wall oscillation) OR ""Chest Wall Oscillation""[Mesh]) OR high frequency chest wall compression) OR high frequency chest wall compressions) OR high-frequency chest wall compression) OR high-frequency chest wall compressions) OR External Chest Wall Oscillation) OR Intrapulmonary percussive ventilation) OR Intrapulmonary percussive ventilations) OR Percussionaire) OR percussive ventilator) OR percussive ventilators) OR Intrapulmonary Percussion) OR Intrapulmonary Percussions) OR High-Frequency Assisted Airway Clearance) OR Percussive Ventilation)) AND ((((((((((((((((((((((((((((((((((((((((((((((((((((((((((((((Palliative care) OR Respiratory Insufficiency) OR ""Respiratory Insufficiency""[Mesh]) OR Neuromuscular respiratory failure) OR Muscular dystrophy) OR ""Muscular Dystrophies""[Mesh]) OR muscular dystrophies) OR Neuromuscular disorder) OR ""Neuromuscular Diseases""[Mesh]) OR Neuromuscular disorders) OR Neuromuscular disease) OR Neuromuscular diseases) OR Motor Neuron Disease) OR ""Motor Neuron Disease""[Mesh]) OR Motor Neuron Diseases) OR motoneuron disease) OR motoneuron diseases) OR metabolic myopathy) OR metabolic myopathies) OR Congenital myopathy) OR congenital myopathies) OR Congenital Muscular Disease) OR Congenital Muscular Diseases) OR Inherited myopathy) OR inherited myopathies) OR Neuromuscular junction disorder) OR Neuromuscular junction disorders) OR Peripheral Nervous System Disease) OR Peripheral Nervous System Diseases) OR Guillain barre syndrome) OR ""Guillain-Barre Syndrome""[Mesh]) OR ""Palliative Care""[Mesh]) OR Miller Fisher Syndrome) OR ""Miller Fisher Syndrome""[Mesh]) OR Duchenne muscular dystrophy) OR ""Muscular Dystrophy, Duchenne""[Mesh]) OR Duchenne muscular dystrophies) OR Amyotrophic lateral sclerosis) OR ""Amyotrophic Lateral Sclerosis""[Mesh]) OR Lou Gehrig disease) OR Lou Gehrig diseases) OR Charcot disease) OR Charcot-Marie-Tooth Disease) OR ""Charcot-Marie-Tooth Disease""[Mesh]) OR Charcot-Marie-Tooth Diseases) OR Multiple sclerosis) OR ""Multiple Sclerosis""[Mesh]) OR Myotonic dystrophy) OR ""Myotonic Dystrophy""[Mesh]) OR Myotonic dystrophies) OR Steinert Disease) OR Steinert Diseases) OR Pompe disease) OR Pompe diseases) OR Huntington disease) OR Huntington diseases )OR Myasthenia gravis) OR ""Myasthenia Gravis""[Mesh]) OR Poliomyelitis) OR (""Poliomyelitis""[Mesh] AND ""Poliomyelitis, Bulbar""[Mesh] AND ""Postpoliomyelitis Syndrome""[Mesh])) OR Dysautonomia, Familial) OR ""Dysautonomia, Familial""[Mesh])", | 932 |
| #92 | randomized controlled trial [pt]  | 510,731 |
| #93 | controlled clinical trial [pt]  | 599,639 |
| #94 | randomized [tiab]  | 526,082 |
| #95 | placebo [tiab]  | 214,947 |
| #96 | drug therapy [sh]  | 2,220,898 |
| #97 | randomly [tiab]  | 337,157 |
| #98 | trial [tiab]  | 603,751 |
| #99 | groups [tiab]  | 2,095,188 |
| #100 | #92 OR #93 OR #94 OR #95 OR #96 OR #97 OR #98 OR #99  | 4,812,047 |
| #102 | animals [mh] NOT humans [mh]  | 4,719,527 |
| #103 | #100 NOT #102 | 4,179,251 |
| #104 | #91 AND #103 | 161  |

### Embase

|  |  |  |
| --- | --- | --- |
| # | Query | Results |
| #1 | palliative AND care | 102,726 |
| #2 | 'palliative therapy'/exp | 111,617 |
| #3 | respiratory AND insufficiency | 22,808 |
| #4 | neuromuscular AND respiratory AND failure | 5,553 |
| #5 | 'respiratory failure'/exp OR 'muscular dystrophy' | 147,108 |
| #6 | 'muscular dystrophy'/exp/mj | 32,022 |
| #7 | muscular AND dystrophies | 5,261 |
| #8 | neuromuscular AND disorder | 18,294 |
| #9 | 'neuromuscular disease'/exp/mj | 125,187 |
| #10 | neuromuscular AND disorders | 24,292 |
| #11 | 'neuromuscular disease' | 22,285 |
| #12 | neuromuscular AND diseases | 20,427 |
| #13  | 'motor neuron disease' | 13,345 |
| #14 | motor AND neuron AND diseases | 7,068 |
| #15 | 'motor neuron disease'/exp/mj | 26,915 |
| #16 | motoneuron AND disease | 13,380 |
| #17 | motoneuron AND diseases | 4,250 |
| #18 | 'metabolic myopathy' | 700 |
| #19 | 'metabolic myopathy'/exp/mj | 72 |
| #20 | metabolic AND myopathies | 1,131 |
| #21 | 'congenital myopathy' | 1,270 |
| #22 | 'congenital myopathy'/exp/mj | 26 |
| #23 | congenital AND myopathies | 1,860 |
| #24 | congenital AND muscular AND disease | 7,032 |
| #25 | congenital AND muscular AND diseases | 2,484 |
| #26 | inherited AND myopathy | 2,179 |
| #27 | inherited AND myopathies | 706 |
| #28 | 'neuromuscular junction disorder' | 1,031 |
| #29 | 'neuromuscular junction disorder'/exp/mj | 22,249 |
| #30 | neuromuscular AND junction AND disorders | 2,262 |
| #31 | peripheral AND nervous AND system AND disease | 44,125 |
| #32 | peripheral AND nervous AND system AND diseases | 14,166 |
| #33 | 'guillain barre syndrome' | 18,360 |
| #34 | 'guillain barre syndrome'/exp/mj | 8,063 |
| #35 | 'duchenne muscular dystrophy' | 18,686 |
| #36 | 'duchenne muscular dystrophy'/exp/mj | 10,149 |
| #37 | duchenne AND muscular AND dystrophies | 1,705 |
| #38 | 'amyotrophic lateral sclerosis' | 45,598 |
| #39 | 'amyotrophic lateral sclerosis'/exp/mj | 22,520 |
| #40 | lou AND gehrig AND disease | 336 |
| #41 | lou AND gehrig AND diseases | 113 |
| #42 | charcot AND disease | 8,978 |
| #43 | 'charcot marie tooth' AND disease | 5,959 |
| #44 | 'charcot marie tooth' AND diseases | 1,593 |
| #45 | 'multiple sclerosis' OR 'multiple sclerosis'/exp/mj | 148,668 |
| #46 | 'myotonic dystrophy' OR 'myotonic dystrophy'/exp/mj | 10,061 |
| #47 | myotonic AND dystrophies | 709 |
| #48 | steinert AND disease | 1,095 |
| #49 | steinert AND diseases | 240 |
| #50 | pompe AND disease | 3,574 |
| #51 | pompe AND diseases | 1,196 |
| #52 | huntington AND disease | 39,673 |
| #53 | huntington AND diseases | 13,208 |
| #54 | 'huntington chorea'/exp/mj | 15,453 |
| #55 | myasthenia AND gravis | 26,060 |
| #56 | 'myasthenia gravis'/exp/mj | 16,541 |
| #57 | 'poliomyelitis' OR 'poliomyelitis'/exp/mj | 40,854 |
| #58 | familial AND dysautonomia | 995 |
| #59 | 'dysautonomia'/exp/mj | 1,514 |
| #60 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44 OR #45 OR #46 OR #47 OR #48 OR #49 OR #50 OR #51 OR #52 OR #53 OR #54 OR #55 OR #56 OR #57 OR #58 OR #59 | 731,467 |
| #61 | 'high frequency percussive ventilation' | 166 |
| #62 | high AND frequency AND percussive AND ventilation | 222 |
| #63  | 'high frequency' AND percussive AND ventilation | 217 |
| #64 | 'high frequency ventilation'/exp OR 'high frequency oscillatory ventilation' | 4,917 |
| #65 | high AND frequency AND oscillatory AND ventilation | 2,012 |
| #66 | 'high frequency' AND oscillatory AND ventilation | 1,997 |
| #67 | 'high frequency ventilation'/exp | 4,014 |
| #68 | 'high frequency oscillatory ventilation' | 1,816 |
| #69 | high AND frequency AND oscillatory AND ventilation | 2,012 |
| #70 | 'high frequency' AND oscillatory AND ventilation | 1,997 |
| #71 | high AND frequency AND oscillation | 8,848 |
| #72 | 'high frequency oscillation' | 3,864 |
| #73 | high AND frequency AND oscillations | 6,362 |
| #74 | 'high frequency' AND oscillation | 6,025 |
| #75 | 'high frequency' AND oscillations | 3,939 |
| #76 | high AND frequency AND chest AND wall AND oscillation | 284 |
| #77 | 'chest wall oscillation'/exp OR 'high frequency oscillation'/exp | 3,720 |
| #78 | high AND frequency AND chest AND wall AND oscillations | 45 |
| #79 | 'high frequency' AND chest AND wall AND oscillations | 38 |
| #80 | 'high frequency' AND chest AND wall AND oscillation | 273 |
| #81 | 'high frequency chest wall oscillation' | 207 |
| #82 | high AND frequency AND chest AND wall AND compression | 93 |
| #83 | high AND frequency AND chest AND wall AND compressions | 10 |
| #84 | 'high frequency' AND chest AND wall AND compression | 77 |
| #85 | 'high frequency' AND chest AND wall AND compressions | 9 |
| #86 | external AND chest AND wall AND oscillation | 24 |
| #87 | intrapulmonary AND percussive AND ventilation | 143 |
| #88 | 'intrapulmonary percussive ventilation' | 131 |
| #89 | 'intrapulmonary percussive ventilation'/exp | 54 |
| #90 | intrapulmonary AND percussive AND ventilations | 0 |
| #91 | Percussionaire | 71 |
| #92 | percussive AND ventilator | 133 |
| #93 | percussive AND ventilators | 10 |
| #94 | 'high frequency ventilator'/exp | 172 |
| #95 | intrapulmonary AND percussion | 52 |
| #96 | intrapulmonary AND percussions | 5 |
| #97 | 'high frequency' AND assisted AND airway AND clearance | 37 |
| #98 | percussive AND ventilation | 319 |
| #99 | #61 OR #62 OR #63 OR #64 OR #65 OR #66 OR #67 OR #68 OR #69 OR #70 OR #71 OR #72 OR #73 OR #74 OR #75 OR #76 OR #77 OR #78 OR #79 OR #80 OR #81 OR #82 OR #83 OR #84 OR #85 OR #86 OR #87 OR #88 OR #89 OR #90 OR #91 OR #92 OR #93 OR #94 OR #95 OR #96 OR #97 OR #98 | 15,110 |
| #100 | 'crossover procedure':de OR 'double-blind procedure':de OR 'randomized controlled trial':de OR 'single-blind procedure':de OR random\*:de,ab,ti OR factorial\*:de,ab,ti OR crossover\*:de,ab,ti OR ((cross NEXT/1 over\*):de,ab,ti) OR placebo\*:de,ab,ti OR ((doubl\* NEAR/1 blind\*):de,ab,ti) OR ((singl\* NEAR/1 blind\*):de,ab,ti) OR assign\*:de,ab,ti OR allocat\*:de,ab,ti OR volunteer\*:de,ab,ti | 2,582,046 |
| #101 | #60 AND #99 AND #100 | 229 |

### Cochrane

|  |  |  |
| --- | --- | --- |
| # | Query | Results |
| #1 | MeSH descriptor: [Palliative Care] explode all trees MeSH descriptor: [Palliative Care] explode all trees MeSH | 1574 |
| #2 | palliative Care | 5697 |
| #3 | respiratory insufficiency | 2733 |
| #4 | MeSH descriptor: [Respiratory Insufficiency] explode all trees MeSH descriptor: [Respiratory Insufficiency] explode all trees MeSH | 2678 |
| #5 | neuromuscular respiratory failure | 406 |
| #6 | muscular dystrophy | 978 |
| #7 | MeSH descriptor: [Muscular Dystrophies] explode all trees MeSH descriptor: [Muscular Dystrophies] explode all trees MeSH | 442 |
| #8 | muscular dystrophies | 292 |
| #9 | neuromuscular disorder | 616 |
| #10 | neuromuscular disorders | 1342 |
| #11 | neuromuscular disease | 2299 |
| #12 | neuromuscular diseases | 1493 |
| #13  | MeSH descriptor: [Neuromuscular Diseases] explode all trees MeSH descriptor: [Neuromuscular Diseases] explode all trees MeSH | 9781 |
| #14 | motor neuron disease | 643 |
| #15 | MeSH descriptor: [Motor Neuron Disease] explode all trees MeSH descriptor: [Motor Neuron Disease] explode all trees MeSH | 682 |
| #16 | motor neuron diseases | 252 |
| #17 | motoneuron disease | 104 |
| #18 | motoneuron diseases | 59 |
| #19 | metabolic myopathy | 97 |
| #20 | metabolic myopathies | 33 |
| #21 | congenital myopathy | 43 |
| #22 | congenital myopathies | 19 |
| #23 | congenital muscular disease | 154 |
| #24 | congenital muscular diseases | 160 |
| #25 | inherited myopathy | 30 |
| #26 | inherited myopathies | 17 |
| #27 | neuromuscular junction disorder | 54 |
| #28 | MeSH descriptor: [Neuromuscular Junction Diseases] explode all trees MeSH descriptor: [Neuromuscular Junction Diseases] explode all trees MeSH | 218 |
| #29 | neuromuscular junction disorders | 80 |
| #30 | peripheral nervous system disease | 1346 |
| #31 | MeSH descriptor: [Peripheral Nervous System Diseases] explode all trees MeSH descriptor: [Peripheral Nervous System Diseases] explode all trees MeSH | 5318 |
| #32 | peripheral nervous system diseases | 1710 |
| #33 | guillain barre syndrome | 382   |
| #34 | MeSH descriptor: [Guillain-Barre Syndrome] explode all trees MeSH descriptor: [Guillain-Barre Syndrome] explode all trees MeSH | 53 |
| #35 | duchenne muscular dystrophy | 718 |
| #36 | MeSH descriptor: [Muscular Dystrophy, Duchenne] explode all trees MeSH descriptor: [Muscular Dystrophy, Duchenne] explode all trees MeSH | 214 |
| #37 | duchenne muscular dystrophies | 204 |
| #38 | amyotrophic lateral sclerosis | 1337 |
| #39 | MeSH descriptor: [Amyotrophic Lateral Sclerosis] explode all trees MeSH descriptor: [Amyotrophic Lateral Sclerosis] explode all trees MeSH | 538 |
| #40 | lou gehrig disease | 32 |
| #41 | lou gehrig diseases | 24 |
| #42 | charcot disease | 231 |
| #43 | charcot-marie-tooth disease | 156 |
| #44 | MeSH descriptor: [Charcot-Marie-Tooth Disease] explode all trees MeSH descriptor: [Charcot-Marie-Tooth Disease] explode all trees MeSH | 66 |
| #45 | charcot-marie-tooth diseases | 65 |
| #46 | multiple sclerosis | 10356 |
| #47 | MeSH descriptor: [Multiple Sclerosis] explode all trees MeSH descriptor: [Multiple Sclerosis] explode all trees MeSH  | 3358 |
| #48 | myotonic dystrophy | 151 |
| #49 | MeSH descriptor: [Myotonic Dystrophy] explode all trees MeSH descriptor: [Myotonic Dystrophy] explode all trees MeSH | 72 |
| #50 | myotonic dystrophies | 15 |
| #51 | steinert disease | 25 |
| #52 | steinert diseases | 13 |
| #53 | pompe disease  | 136 |
| #54 | MeSH descriptor: [Glycogen Storage Disease Type II] explode all trees MeSH descriptor: [Glycogen Storage Disease Type II] explode all trees MeSH | 30 |
| #55 | pompe diseases | 75 |
| #56 | huntington disease | 838 |
| #57 | MeSH descriptor: [Huntington Disease] explode all trees MeSH descriptor: [Huntington Disease] explode all tree MeSH | 250 |
| #58 | huntington diseases | 223 |
| #59 | myasthenia gravis | 585 |
| #60 | MeSH descriptor: [Myasthenia Gravis] explode all trees MeSH descriptor: [Myasthenia Gravis] explode all trees MeSH | 186 |
| #61 | poliomyelitis | 833 |
| #62 | MeSH descriptor: [Poliomyelitis] explode all trees MeSH descriptor: [Poliomyelitis] explode all trees MeSH | 312 |
| #63  | familial dysautonomia | 23 |
| #64 | MeSH descriptor: [Dysautonomia, Familial] explode all trees MeSH descriptor: [Dysautonomia, Familial] explode all trees MeSH | 13 |
| #65 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44 OR #45 OR #46 OR #47 OR #48 OR #49 OR #50 OR #51 OR #52 OR #53 OR #54 OR #55 OR #56 OR #57 OR #58 OR #59 OR #60 OR #61 OR #62 OR #63 OR #64 | 36184 |
| #66 | high frequency percussive ventilation | 42 |
| #67 | high-frequency percussive ventilation | 40 |
| #68 | high frequency oscillatory ventilation | 279 |
| #69 | high-frequency oscillatory ventilation | 276 |
| #70 | MeSH descriptor: [High-Frequency Ventilation] explode all trees MeSH descriptor: [High-Frequency Ventilation] explode all trees MeSH | 196 |
| #71 | high frequency oscillation | 426 |
| #72 | high frequency oscillations | 187 |
| #73 | high-frequency oscillation | 355 |
| #74 | high-frequency oscillations | 121 |
| #75 | high frequency chest wall oscillation | 141 |
| #76 | MeSH descriptor: [Chest Wall Oscillation] explode all trees MeSH descriptor: [Chest Wall Oscillation] explode all trees MeSH  | 60 |
| #77 | high frequency chest wall oscillations | 18 |
| #78 | high-frequency chest wall oscillations  | 17 |
| #79 | high-frequency chest wall oscillation | 138 |
| #80 | high frequency chest wall oscillation | 141 |
| #81 | high frequency chest wall compressions | 8 |
| #82 | high frequency chest wall compression | 45 |
| #83 | high-frequency chest wall compression | 25 |
| #84 | high-frequency chest wall compressions | 5 |
| #85 | external chest wall oscillation | 31 |
| #86 | intrapulmonary percussive ventilation | 60 |
| #87 | percussionaire | 1 |
| #88 | percussive ventilator | 19 |
| #89 | percussive ventilators | 9 |
| #90 | intrapulmonary percussion | 21 |
| #91 | high-frequency assisted airway clearance | 19 |
| #92 | percussive ventilation | 77 |
| #93 | #66 OR #67 OR #68 OR #69 OR #70 OR #71 OR #72 OR #73 OR #74 OR #75 OR #76 OR #77 OR #78 OR #79 OR #80 OR #81 OR #82 OR #83 OR #84 OR #85 OR #86 OR #87 OR #88 OR #89 OR #90 OR #91 OR #92 | 918 |
| #94 | #93 AND #65 | 118 |

### Pedro

|  |  |  |
| --- | --- | --- |
| # | Query | Results |
| #1  | percussive ventilation  | 25 |
| #2 | high-frequency assisted airway clearance  | 1 |
| #3 | intrapulmonary percussions  | 0 |
| #4 | intrapulmonary percussion | 5 |
| #5  | percussive ventilators | 0 |
| #6 | percussive ventilator | 7 |
| #7 | percussionaire | 0 |
| #8  | intrapulmonary percussive ventilations  | 0 |
| #9  | intrapulmonary percussive ventilation  | 21 |
| #10  | external chest wall oscillation  | 1 |
| #11 | high-frequency chest wall compressions  | 2 |
| #12  | high-frequency chest wall compression  | 8 |
| #13  | high frequency chest wall compressions  | 2 |
| #14  | high frequency chest wall compression | 8 |
| #15  | high-frequency chest wall oscillation  | 31 |
| #16 | high-frequency chest wall oscillations  | 5 |
| #17 | high frequency chest wall oscillations  | 5 |
| #18  | high frequency chest wall oscillation | 31 |
| #19 | high-frequency oscillations  | 7 |
| #20 | high-frequency oscillation  | 44 |
| #21 | high frequency oscillations  | 7 |
| #22 | high frequency oscillation  | 44 |
| #23  | high-frequency oscillatory ventilation  | 21 |
| #24 | high frequency oscillatory ventilation | 21 |
| #25 | high-frequency percussive ventilation | 8 |
| #26 | high frequency percussive ventilation | 8 |

### CINAHL

|  |  |  |
| --- | --- | --- |
| # | Query | Results |
| S81 | (S58 OR S59 OR S60 OR S61 OR S62 OR S63 OR S64 OR S65 OR S66 OR S67 OR S68 OR S69 OR S70 OR S71 OR S72 OR S73 OR S74 OR S75 OR S76 OR S77 OR S78 OR S79) AND (S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S18 OR S19 OR S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR S31 OR S32 OR S33 OR S34 OR S35 OR S36 OR S37 OR S38 OR S39 OR S40 OR S41 OR S42 OR S43 OR S44 OR S45 OR S46 OR S47 OR S48 OR S49 OR S50 OR S51 OR S52 OR S53 OR S54 OR S55 OR S56) | 760 |
| S80 | S58 OR S59 OR S60 OR S61 OR S62 OR S63 OR S64 OR S65 OR S66 OR S67 OR S68 OR S69 OR S70 OR S71 OR S72 OR S73 OR S74 OR S75 OR S76 OR S77 OR S78 OR S79 | 10,544 |
| S79 | "percussive ventilation" | 148 |
| S78 | percussive ventilation | 153 |
| S77 | "intrapulmonary percussion" | 6 |
| S76 | high frequency assisted airway clearance | 5 |
| S75 | intrapulmonary percussion | 18 |
| S74 | (MH "Ventilator Patients") OR (MH "Ventilators, Mechanical") OR "percussive ventilator" OR (MH "Ventilation, High Frequency") | 6,425 |
| S73 | percussive ventilator | 50 |
| S72 | percussionaire | 11 |
| S71 | (MH "Ventilator Patients") OR (MH "Ventilators, Mechanical") OR "Intrapulmonary percussive ventilation" | 5,619 |
| S70 | intrapulmonary percussive ventilation | 63 |
| S69 | (MH "Chest Physical Therapy") OR "external chest wall oscillation" | 555 |
| S68 | external chest wall oscillation | 8 |
| S67 | "high frequency chest wall compression" | 17 |
| S66 | high frequency chest wall compression | 27 |
| S65 | "high frequency chest wall oscillation" | 113 |
| S64 | high frequency chest wall oscillation | 129 |
| S63 | "high frequency oscillation" | 952 |
| S62 | high frequency oscillation | 3,661 |
| S61 | "high frequency oscillatory ventilation" | 684 |
| S60 | high frequency oscillatory ventilation | 738 |
| S59 | (MH "Jet Ventilation, High Frequency") OR (MH "Ventilation, High Frequency") OR "high frequency percussive ventilation" | 1,237 |
| S58 | high frequency percussive ventilation | 109 |
| S57 | (S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S18 OR S19 OR S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR S31 OR S32 OR S33 OR S34 OR S35 OR S36 OR S37 OR S38 OR S39 OR S40 OR S41 OR S42 OR S43 OR S44 OR S45 OR S46 OR S47 OR S48 OR S49 OR S50 OR S51 OR S52 OR S53 OR S54 OR S55 OR S56) | 205,831 |
| S56 | "familial dysautonomia" | 357 |
| S55 | familial dysautonomia | 375 |
| S54 | (MH "Poliomyelitis") OR "poliomyelitis" OR (MH "Postpoliomyelitis Syndrome") | 7,855 |
| S53 | poliomyelitis | 7,331 |
| S52 | myasthenia(MH "Myasthenia Gravis") OR "myasthenia gravis" | 3,681 |
| S51 | myasthenia gravis | 3,686 |
| S50 | (MH "Huntington's Disease") OR "huntington disease" | 3,556 |
| S49 | huntington disease | 5,642 |
| S48 | "pompe disease" | 571 |
| S47 | pompe disease | 678 |
| S46 | (MH "Myotonic Dystrophy") OR "steinert disease" | 778 |
| S45 | steinert disease | 914 |
| S44 | (MH "Myotonic Dystrophy") OR "myotonic dystrophy" | 1,334 |
| S43 | myotonic dystrophy | 1,399 |
| S42 | (MH "Multiple Sclerosis") OR "multiple sclerosis" OR (MH "Amyotrophic Lateral Sclerosis") | 47,436 |
| S41 | multiple sclerosis | 42,352 |
| S40 | (MH "Charcot-Marie-Tooth Disease") OR "charcot-marie-tooth disease" OR (MH "Tooth Diseases") OR (MH "Spastic Paraplegia, Hereditary") | 4,142 |
| S39 | charcot-marie-tooth disease | 1,743 |
| S38 | (MH "Charcot-Marie-Tooth Disease") OR (MH "Spastic Paraplegia, Hereditary") OR (MH "Motor Neuron Diseases") OR "charcot disease" | 7,489 |
| S37 | charcot disease | 6,534 |
| S36 | (MH "Amyotrophic Lateral Sclerosis") OR (MH "Demyelinating Autoimmune Diseases, CNS") OR "lou gehrig disease" | 6,625 |
| S35 | lou gehrig disease | 6,061 |
| S34 | (MH "Amyotrophic Lateral Sclerosis") OR "amyotrophic lateral sclerosis" | 8,635 |
| S33 | amyotrophic lateral sclerosis | 8,638 |
| S32 | (MH "Muscular Dystrophy") OR "Duchenne muscular dystrophy" | 6,624 |
| S31 | duchenne muscular dystrophy | 4,338 |
| S30 | (MH "Guillain-Barre Syndrome") OR "guillain-barre syndrome" | 2,608 |
| S29 | guillain barre syndrome | 3,678 |
| S28 | (MH "Neurodegenerative Diseases") OR "peripheral nervous system diseases" | 10,993 |
| S27 | peripheral nervous system disease | 11,240 |
| S26 | (MH "Neuromuscular Junction") OR "neuromuscular junction disorder" | 1,471 |
| S25 | neuromuscular junction disorder | 449 |
| S24 | "Inherited myopathy" | 6 |
| S23 | inherited myopathy | 293 |
| S22 | (MH "Muscular Diseases") OR (MH "Charcot-Marie-Tooth Disease") OR "congenital muscular disease" OR (MH "Myotonic Dystrophy") | 5,961 |
| S21 | congenital muscular disease | 803 |
| S20 | "congenital myopathy" | 159 |
| S19 | congenital myopathy | 465 |
| S18 | metabolic myopathy | 480 |
| S17 | "Metabolic myopathy" | 88 |
| S16 | (MH "Motor Neuron Diseases") OR "motoneuron disease" | 2,082 |
| S15 | motoneuron disease | 524 |
| S14 | (MH "Motor Neuron Diseases") OR (MH "Motor Neurons") OR "motor neuron disease" | 5,387 |
| S13 | motor neuron disease | 5,980 |
| S12 | (MH "Neuromuscular Junction Diseases") OR (MH "Neuromuscular Diseases") OR (MH"Neuromuscular Manifestations") OR "neuromuscular disease" | 5,068 |
| S11 | neuromuscular disease | 9,889 |
| S10 | (MH "Neuromuscular Junction Diseases") OR (MH "Motor Skills Disorders") | 2,420 |
| S9 | neuromuscular disorder | 5,885 |
| S8 | (MH "Muscular Dystrophy") OR "muscular dystrophy" OR (MH "Muscular Dystrophy, Duchenne") OR (MH "Becker Muscular Dystrophy") OR (MH "Muscular Dystrophy, Facioscapulohumeral") OR (MH "Muscular Dystrophy, Oculopharyngeal") | 8,512 |
| S7 | muscular dystrophy | 8,798 |
| S6 | (MH "Respiratory Failure") OR "neuromuscular respiratory failure" | 8,472 |
| S5 | neuromuscular respiratory failure | 803 |
| S4 | "Respiratory Insufficiency" OR (MH "Respiratory Failure") | 10,631 |
| S3 | respiratory insufficiency | 10,888 |
| S2 | (MH "Palliative Care") OR "Palliative care" | 0 |
| S1 | Palliative care | 73,766 |