1. ﻿Initial identification of relevant articles from February 2015 through March 2019

**PubMed- 528 results** = February 13, 2019

((“Vestibule, Labyrinth”[MeSH] OR “Vestibular Nerve”[MeSH] OR “Vestibular Nucleus, Lateral”[MeSH] OR “Vestibular Diseases”[MeSH] OR “Vestibular Neuronitis”[MeSH] OR vestibular nucleus[tiab] OR vestibulocochlear nerve[tiab] OR inner ear[tiab] OR labyrinth disease[tiab] OR vestibular disease[tiab] OR Labyrinth Vestibule[tiab] OR Vestibulum Auris[tiab] OR Ear Vestibule[tiab] OR Vestibular Apparatus[tiab] OR Saccule[tiab] OR Utricle[tiab] OR otolith[tiab] OR Visual-vestibular interaction[tiab] OR (Peripheral vestibular[tiab] AND hypofunction[tiab]) OR (Peripheral vestibular[tiab] AND loss[tiab]) OR vestibular labyrinth[tiab] OR Vestibular nervous system[tiab] OR vestibular nerve[tiab] OR Vestibular system[tiab])

AND (“Rehabilitation”[Mesh] OR Rehabilitation[tiab] OR exercise[tiab] OR exercises[tiab] OR “Physical Stimulation”[mesh] OR “Exercise Therapy”[mesh] OR “Exercise Movement Techniques”[mesh])

NOT ("case reports"[Publication Type] OR "editorial"[Publication Type] OR "comment"[Publication Type] OR "letter"[Publication Type] OR "webcasts"[Publication Type] OR "news"[Publication Type]))

AND ("2015/02/01"[Date - Publication] : "2019/12/31"[Date - Publication])

AND "english"[Language]

**CINAHL February 19, 2019 – 279 hits**

Limiters - Published Date: 20150201-; English Language; Peer Reviewed; Publication Type: Journal Article

**View Results (279)** View Details Edit

S9

S7 AND S8

View Results (4,262) View Details Edit

**S8**

TX rehabilitation OR TX exercise\* OR TX “Physical Stimulation” OR TX “Exercise Therapy” OR TX “Exercise Movement Techniques” OR MH (MH "Therapeutic Exercise+") OR MH (MH "Exercise+") OR MH (MH "Rehabilitation+")

View Results (712,883) View Details Edit

**S7**

S4 OR S5 OR S6

View Results (16,284) View Details Edit

**S6**

MH (MH "Vestibulocochlear Nerve+") OR MH (MH "Ear, Inner+") OR MH (MH "Labyrinth Diseases+")

View Results (10,204) View Details Edit

**S5**

TX Utricle OR TX otolith OR TX Visual-vestibular interaction OR TX ( “Peripheral vestibular” AND hypofunction ) OR TX ( (“Peripheral vestibular” AND loss ) OR TX vestibular labyrinth OR TX Vestibular nervous system OR TX vestibular nerve OR TX vestibular system OR MH (MH "Vestibule, Labyrinth+") OR MH (MH Vestibular Nerve") OR MH (MH "Vestibular Diseases+")

View Results (7,952) View Details Edit

**S4**

TX Vestibular Nerve OR TX Lateral Vestibular Nucleus OR TX Vestibular Disease\* OR TX Vestibular Neuronitis OR TX vestibular nucleus OR TX vestibulocochlear nerve OR TX inner ear OR TX labyrinth disease OR TX Labyrinth Vestibule OR TX Vestibulum Auris OR TX Ear Vestibule OR TX Saccule

**Web of Science- February 20, 2019- 148 hits**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # 3 | [**148**](about:blank) | (#2 AND #1) *AND***LANGUAGE:** (English)  *Indexes=SCI-EXPANDED, SSCI Timespan=2015-2019* | [Edit](about:blank) |  |  |
| https://images.webofknowledge.com/WOKRS532JR5/images/spacer.gif | | | | | |
| # 2 | [**247,303**](about:blank) | ((TS=Rehabilitation OR TS= Rehabilitation OR TS=exercise OR TS=exercises OR TS=Physical Stimulation OR TS=Exercise Therapy OR TS= Exercise Movement Techniques)) *AND***LANGUAGE:** (English) *AND* **DOCUMENT TYPES:** (Article)  *Indexes=SCI-EXPANDED, SSCI Timespan=2005-2019* |  |  |  |
| https://images.webofknowledge.com/WOKRS532JR5/images/spacer.gif | | | | | |
| # 1 | [**16,403**](about:blank) | (((TS= “Vestibular Nerve” OR TS= “Lateral Vestibular Nucleus” OR TS= “Vestibular Diseases” OR TS= “Vestibular Neuronitis” OR TS= “vestibular nucleus” OR TS= “vestibulocochlear nerve” OR TS= “inner ear” OR TS= “labyrinth disease” OR TS= “vestibular disease” OR TS= “Labyrinth Vestibule” OR TS= “Vestibulum Auris” OR TS= “Ear Vestibule” OR TS= Saccule OR TS= Utricle OR TS= otolith OR TS= “Visual-vestibular interaction” OR ( TS= “Peripheral vestibular” AND TS= hypofunction ) OR (TS= “Peripheral vestibular” AND TS= loss) OR TS= “vestibular labyrinth” OR TS= “Vestibular nervous system” OR TS= “vestibular nerve” OR TS= “Vestibular system” ))) *AND***LANGUAGE:** (English) *AND* **DOCUMENT TYPES:** (Article)  *Indexes=SCI-EXPANDED, SSCI Timespan=2005-2019* |  |  |  |

**Cochrane CENTRAL- February 25, 2019- 39 Hits**

Rehabilitation OR Exercise\* OR “Physical Stimulation” OR “Exercise Therapy” OR “Exercise Movement Techniques” OR "Therapeutic Exercise" OR "Exercise" OR "Rehabilitation" AND

"Vestibulocochlear Nerve" OR “Inner Ear" OR “ Labyrinth Diseases" OR TX Utricle OR otolith OR “Visual-vestibular interaction” OR (“Peripheral vestibular” AND hypofunction ) OR ((“Peripheral vestibular” AND loss ) OR vestibular labyrinth OR “Vestibular nervous system” OR “vestibular nerve” OR “vestibular system” OR “Labyrinth Vestibule” OR“Ear Vestibule” OR "Vestibular Diseases") OR “Lateral Vestibular Nucleus” OR “Vestibular Disease” OR “Vestibular Neuronitis” OR “vestibular nucleus” OR “labyrinth disease” OR “Vestibulum Auris” OR Saccule

Date range: 2005-2019

2) Identification of additional relevant articles through March 2020

**PubMed-**  **March 26, 2020 -**  **81 Hits**

Search: (("Vestibule, Labyrinth"[MeSH] OR "Vestibular Nerve"[MeSH] OR "Vestibular Nucleus, Lateral"[MeSH] OR "Vestibular Diseases"[MeSH] OR "Vestibular Neuronitis"[MeSH] OR vestibular nucleus[tiab] OR vestibulocochlear nerve[tiab] OR inner ear[tiab] OR labyrinth disease[tiab] OR vestibular disease[tiab] OR Labyrinth Vestibule[tiab] OR Vestibulum Auris[tiab] OR Ear Vestibule[tiab] OR Vestibular Apparatus[tiab] OR Saccule[tiab] OR Utricle[tiab] OR otolith[tiab] OR Visual-vestibular interaction[tiab] OR (Peripheral vestibular[tiab] AND hypofunction[tiab]) OR (Peripheral vestibular[tiab] AND loss[tiab]) OR vestibular labyrinth[tiab] OR Vestibular nervous system[tiab] OR vestibular nerve[tiab] OR Vestibular system[tiab]) AND ("Rehabilitation"[Mesh] OR Rehabilitation[tiab] OR exercise[tiab] OR exercises[tiab] OR "Physical Stimulation"[mesh] OR "Exercise Therapy"[mesh] OR "Exercise Movement Techniques"[mesh]) NOT ("case reports"[Publication Type] OR "editorial"[Publication Type] OR "comment"[Publication Type] OR "letter"[Publication Type] OR "webcasts"[Publication Type] OR "news"[Publication Type])) AND (("2019/02/15"[PDat] : "3000/12/31"[PDat]) AND English[lang])

**CINAHL- March 25, 2020** - **33 Hits** 

|  |  |
| --- | --- |
| **Search Terms** | **Search Options** |
| S9 | (S7) NOT (PT case study) | [**Results**](about:blank) (32) |
|  |  |  |
| S7 | S4 AND S5 | [**Results**](about:blank) (33) |
| S6 | S4 AND S5 | [**Results**](about:blank) (5,306) |
| S5 | TX rehabilitation OR TX exercise\* OR TX “Physical Stimulation” OR TX “Exercise Therapy” OR TX “Exercise Movement Techniques” OR MH (MH "Therapeutic Exercise+") OR MH (MH "Exercise+") OR MH (MH "Rehabilitation+") | [**Results**](about:blank) (874,966) |
| S4 | S1 OR S2 OR S3 | [**Results**](about:blank) (20,090) |
| S3 | MH (MH "Vestibulocochlear Nerve+") OR MH (MH "Ear, Inner+") OR MH (MH "Labyrinth Diseases+") | [**Results**](about:blank) (12,500) |
| S2 | TX Utricle OR TX otolith OR TX Visual-vestibular interaction OR TX ( “Peripheral vestibular” AND hypofunction ) OR TX ( (“Peripheral vestibular” AND loss ) OR TX vestibular labyrinth OR TX Vestibular nervous system OR TX vestibular nerve OR TX vestibular system OR MH (MH "Vestibule, Labyrinth+") OR MH (MH “Vestibular Nerve") OR MH (MH "Vestibular Diseases+") | [**Results**](about:blank) (9,905) |
| S1 | TX Vestibular Nerve OR TX Lateral Vestibular Nucleus OR TX Vestibular Disease\* OR TX Vestibular Neuronitis OR TX vestibular nucleus OR TX vestibulocochlear nerve OR TX inner ear OR TX labyrinth disease OR TX Labyrinth Vestibule OR TX Vestibulum Auris OR TX Ear Vestibule OR TX Saccule |  |

**Limiters** - Published Date: 20190201-; English Language; Peer Reviewed; Publication Type: Journal Article

**Web of Science-** **March 25, 2020**- **63 hits**

(#2 AND #1) AND LANGUAGE: (English)Indexes=SCI-EXPANDED, SSCI Timespan=2019-2020

((TS=Rehabilitation OR TS= Rehabilitation OR TS=exercise OR TS=exercises OR TS=Physical Stimulation OR TS=Exercise Therapy OR TS= Exercise Movement Techniques)) AND LANGUAGE: (English) AND DOCUMENT TYPES: (Article)Indexes=SCI-EXPANDED, SSCI Timespan=2019-2020

(((TS= “Vestibular Nerve” OR TS= “Lateral Vestibular Nucleus” OR TS= “Vestibular Diseases” OR TS= “Vestibular Neuronitis” OR TS= “vestibular nucleus” OR TS= “vestibulocochlear nerve” OR TS= “inner ear” OR TS= “labyrinth disease” OR TS= “vestibular disease” OR TS= “Labyrinth Vestibule” OR TS= “Vestibulum Auris” OR TS= “Ear Vestibule” OR TS= Saccule OR TS= Utricle OR TS= otolith OR TS= “Visual-vestibular interaction” OR ( TS= “Peripheral vestibular” AND TS= hypofunction ) OR (TS= “Peripheral vestibular” AND TS= loss) OR TS= “vestibular labyrinth” OR TS= “Vestibular nervous system” OR TS= “vestibular nerve” OR TS= “Vestibular system” ))) AND LANGUAGE: (English) AND DOCUMENT TYPES: (Article)Indexes=SCI-EXPANDED, SSCI Timespan=2019-2020

**Cochrane CENTRAL-** **March 25, 2020-** **8 Hits**

Rehabilitation OR  Exercise\* OR  “Physical Stimulation” OR  “Exercise Therapy” OR  “Exercise Movement Techniques” OR "Therapeutic Exercise" OR  "Exercise" OR "Rehabilitation"

AND "Vestibulocochlear Nerve" OR  "Inner Ear" OR  "Labyrinth Diseases" OR    Utricle OR  otolith OR  “Visual-vestibular interaction” OR  (“Peripheral vestibular” AND hypofunction ) OR   (“Peripheral vestibular” AND loss ) OR  vestibular labyrinth OR  “Vestibular nervous system” OR  “vestibular nerve” OR  “vestibular system” OR “Labyrinth Vestibule” OR  “Ear Vestibule” OR  "Vestibular Diseases" OR  “Lateral Vestibular Nucleus” OR  “Vestibular Disease” OR  “Vestibular Neuronitis” OR  “vestibular nucleus” OR   “labyrinth disease” OR   “Vestibulum Auris” OR  Saccule  Date limit: 02/15/2019-  Searched TX (text) all terms

3) Identification of additional relevant articles from 2015 through June 2020 based on broader search terms

**PubMed** WAS SEARCHED using a combination of Mesh terms and terms tagged with [tia]b which is title/abstract. It was limited to English and from February 2015 to the present. The search was run on June 2, 2020. Case reports, editorials, comments, letters, webcasts, and news were all excluded. The exact search is as follows. It produced **1,131hits.**

(("Vestibule, Labyrinth"[MeSH] OR "Vestibular Nerve"[MeSH] OR "Vestibular Nucleus, Lateral"[MeSH] OR "Vestibular Diseases"[MeSH] OR "Vestibular Neuronitis"[MeSH] OR vestibular nucleus[tiab] OR "**vestibular**" [tiab] OR "**vestibular disorders**" OR vestibulocochlear nerve[tiab] OR inner ear[tiab] OR labyrinth disease[tiab] OR vestibular disease[tiab] OR Labyrinth Vestibule[tiab] OR Vestibulum Auris[tiab] OR Ear Vestibule[tiab] OR Vestibular Apparatus[tiab] OR Saccule[tiab] OR Utricle[tiab] OR otolith[tiab] OR Visual-vestibular interaction[tiab] OR (Peripheral vestibular[tiab]

AND hypofunction[tiab]) OR (Peripheral vestibular[tiab] AND loss[tiab]) OR vestibular labyrinth[tiab] OR Vestibular nervous system[tiab] OR vestibular nerve[tiab] OR Vestibular system[tiab]) AND ("Rehabilitation"[Mesh] OR Rehabilitation[tiab] OR exercise[tiab] OR exercises[tiab] OR "Physical Stimulation"[mesh] OR "Exercise Therapy"[mesh] OR "Exercise Movement Techniques"[mesh]) NOT ("case reports"[Publication Type] OR "editorial"[Publication Type] OR "comment"[Publication Type] OR "letter"[Publication Type] OR "webcasts"[Publication Type] OR "news"[Publication Type])) AND ((**"2015/02/15"**[PDat] : "3000/12/31"[PDat]) AND English[lang])

**CINAHL** was searched on June 2, 2020 using the EBSCO platform. The search resulted in **480 hits.** The search was a combination of text words and CINAHL subject headings. Limits were by date from February 2019 to the present (June 2, 2020), English language only, “peer reviewed”, publication type “Journal article”, and NOT publication type “case study” to match the PubMed search. The search was like the PubMed search except all Mesh tags and other Medline syntax were removed and replaced with appropriate CINAHL syntax.

The actual search was:

|  |  |  |  |
| --- | --- | --- | --- |
| S9 | (S7) NOT (PT case study) [Results](about:blank) (480) |  |  |
|  |  |  |  |
| S7 | S4 AND S5 - Limiters - Published Date: **20150201**-; English Language;  Peer Reviewed; Publication Type: Journal Article [Results](about:blank) (505) |  |  |
| S6 | S4 AND S5  [Results](about:blank) (8,645) |  |  |
| S5 | TX rehabilitation OR TX exercise\* OR TX “Physical Stimulation” OR  TX “Exercise Therapy” OR TX “Exercise Movement Techniques” OR  MH (MH "Therapeutic Exercise+") OR MH (MH "Exercise+") OR MH  (MH "Rehabilitation+")  [Results](about:blank) (882,461) |  |  |
| S4 | S1 OR S2 OR S3 [Results](about:blank) (27,234) |  |  |
| S3 | MH (MH "Vestibulocochlear Nerve+") OR MH (MH "Ear, Inner+") OR  MH (MH "Labyrinth Diseases+")  [Results](about:blank) (12,630) |  |  |
| S2 | TX Utricle OR TX otolith OR TX Visual-vestibular interaction OR  (TX “Peripheral vestibular” AND TX hypofunction) OR (TX “Peripheral  vestibular” AND TX loss) OR TX vestibular labyrinth OR TX Vestibular nervous system OR TX vestibular nerve OR TX vestibular system OR MH "Vestibule,  Labyrinth+" OR MH “Vestibular Nerve" OR MH "Vestibular  Diseases+"  [Results](about:blank)  (9,992 |  |  |
| S1 | TX Vestibular Nerve OR TX Lateral Vestibular Nucleus OR TX Vestibular  Disease\* OR TX Vestibular Neuronitis OR TX vestibular nucleus OR TX  vestibulocochlear nerve OR TX inner ear OR TX labyrinth disease OR TX  Labyrinth Vestibule OR TX Vestibulum Auris OR TX Ear Vestibule OR TX  Saccule  OR TX **vestibular disorders**" OR TX "**vestibular disorder**" OR TX **vestibular**  Results (22,472} |  |  |

**Web of Science** was searched June 2, 2020. It produced **778 hits.** It was searched in the advanced search using topic tags (TS). The limits were English language and the years 2015-2020. “Articles” were the limit used for publication type. It is also like the terminology used in the PubMed search.

The exact search was:

# 3 778 hits #2 AND #1 Indexes=SCI-EXPANDED, SSCI, ESCI Timespan=2019-2020

# 2 154,255 hits (((TS=Rehabilitation OR TS= Rehabilitation OR TS=exercise OR TS=exercises OR TS=Physical Stimulation OR TS=Exercise Therapy OR TS= Exercise Movement Techniques))) AND LANGUAGE: (English) AND DOCUMENT TYPES: (Article) Indexes=SCI-EXPANDED, SSCI, ESCI Timespan=2015-2020

# 1 11,853 hits ((((TS= “Vestibular Nerve” OR TS= “Lateral Vestibular Nucleus” OR TS= “Vestibular Diseases” OR TS= “Vestibular Neuronitis” OR TS= “vestibular nucleus” OR TS= “vestibulocochlear nerve” OR TS= “inner ear” OR TS= “labyrinth disease” OR TS= “vestibular disease” OR TS= “**vestibular disorders**" OR TS= "**vestibular disorder**" OR TS= **vestibular**

OR TS= “Labyrinth Vestibule” OR TS= “Vestibulum Auris” OR TS= “Ear Vestibule” OR TS= Saccule OR TS= Utricle OR TS= otolith OR TS= “Visual-vestibular interaction” OR ( TS= “Peripheral vestibular” AND TS= hypofunction ) OR (TS= “Peripheral vestibular” AND TS= loss) OR TS= “vestibular labyrinth” OR TS= “Vestibular nervous system” OR TS= “vestibular nerve” OR TS= “Vestibular system” )))) AND LANGUAGE: (English) AND DOCUMENT TYPES: (Article) Indexes=SCI-EXPANDED, SSCI, ESCI Timespan=2015-2020

**Cochrane CENTRAL** was searched on June 2, 2020 using the EBSCO platform. All terms were qualified as text terms in the search and the range of date was February 2015 through June 2, 2020. It was limited to English. The exact search is below. It produced **234 hits.**

S1 AND S2 Limiters - Published Date: **20150201-;** Language: English

Results (234)

S3 S1 AND S2

Results (762)

S2 TX "Vestibulocochlear Nerve" OR TX "Inner Ear" OR TX "Labyrinth Diseases" OR TX Utricle OR TX otolith OR TX “Visual-vestibular interaction” OR (TX “Peripheral vestibular” AND TX hypofunction) OR (TX “Peripheral vestibular” AND TX loss ) OR TX vestibular labyrinth OR TX “Vestibular nervous system” OR TX “vestibular nerve” OR TX “vestibular system” OR TX “Labyrinth Vestibule” OR TX “Ear Vestibule” OR TX "Vestibular Diseases" OR TX “Lateral Vestibular Nucleus” OR TX “Vestibular Disease” OR TX “Vestibular Neuronitis” OR TX “vestibular nucleus” OR TX “labyrinth disease” OR TX “Vestibulum Auris” OR TX Saccule OR TX “**vestibular disorders**" OR TX "**vestibular disorder**" OR TX **vestibular**

Results (2,631)

S1 TX rehabilitation OR TX exercise\* OR TX “Physical Stimulation” OR TX “Exercise Therapy” OR TX “Exercise Movement Techniques” OR TX "Therapeutic Exercise" OR TX "Exercise" OR TX "Rehabilitation"

Results (150,260)

**PEDRO**

Pedro was searched using the term “vestibular” and resulted in **91 hits.** It was limited from

**2015-2020.**

**EMBASE** was searched using the search strategy below June 2020 and produced **1,115 hits.**

