

Appendix A. Databases and key words searched

Electronic Databases:

Centre for Reviews and Dissemination (www.york.ac.uk/inst/crd/)
CINAHL (EBSCO)
Cochrane Library (Wiley)
ComDisDome (CSA)
Communication & Mass Media Complete (EBSCO)
CSA Neurosciences Abstracts
CSA Social Services Abstracts
EBM Guidelines (Wiley)
Education Research Complete (EBSCO)
ERIC (CSA)
GoogleScholar (<http://scholar.google.com/>)
Health Information Resources formerly National Library for Health
(www.library.nhs.uk/Default.aspx)
Health Source: Nursing/Academic Edition (EBSCO)
HighWire Press
ISI Web of Knowledge
Latin American and Caribbean Center on Health Sciences Information (LILACS)
(www.bireme.br/php/index.php?lang=en)
LLBA (CSA)
Psychology and Behavioral Sciences Collection (EBSCO)
PubMed (www.ncbi.nlm.nih.gov/pubmed/)
REHABDATA (www.naric.com/research/rehab/)
ScienceDirect
speechBITE (www.speechbite.com/)
SUMSearch (<http://sumsearch.uthscsa.edu/>)
TRIPDatabase (www.tripdatabase.com/)

Keywords:

Auditory neuropathy
Auditory neuropathies
Auditory neuropathy spectrum disorder
Auditory dys-synchrony OR auditory dyssynchrony
Auditory synaptopathy

Hearing aids OR cochlear implants OR auditory device OR frequency modulated device

Speech perception
Language therapy
Speech
Hearing
Educational status
Achievement

Receptive
Expressive
Pragmatic*
Education*
Academic*

Expanded Search Terms:

Limit: Humans, English, All Child (0-18)

"Hearing Aids"[Mesh] AND ("Hearing Loss, Mixed Conductive-Sensorineural"[Mesh] OR "Hearing Loss, Sensorineural"[Mesh] OR neuropath* OR dyssynchron* OR dys-synchron* OR synaptopath* OR "Auditory Diseases, Central"[Mesh]) AND ("Language Therapy"[Mesh] OR "Auditory Perception"[Mesh] OR "Educational Status"[Mesh] OR "Achievement"[Mesh] OR "Educational Measurement"[Mesh])

"Hearing Aids"[Mesh] AND ("Hearing Loss, Mixed Conductive-Sensorineural"[Mesh] OR "Hearing Loss, Sensorineural"[Mesh] OR neuropath* OR dyssynchron* OR dys-synchron* OR synaptopath* OR "Auditory Diseases, Central"[Mesh])

"Hearing Aids"[Mesh] AND (auditory neuropath*)

"Hearing Aids"[Mesh] AND (auditory dyssynchron* OR dys-synchron* OR synaptopath*)

"Hearing Aids"[Mesh] AND ("Hearing Loss, Mixed Conductive-Sensorineural"[Mesh] OR "Hearing Loss, Sensorineural"[Mesh] OR neuropath* OR dyssynchron* OR dys-synchron* OR synaptopath* OR "Auditory Diseases, Central"[Mesh]) AND ("Linguistics"[Mesh] OR "Social Behavior"[Mesh] OR "Verbal Behavior"[Mesh] OR "Speech Discrimination Tests"[Mesh] OR receptive OR expressive OR pragmatic* OR education* OR academic*)

"Cochlear Implantation"[Mesh] AND ("Hearing Loss, Mixed Conductive-Sensorineural"[Mesh] OR "Hearing Loss, Sensorineural"[Mesh] OR neuropath* OR dyssynchron* OR dys-synchron* OR synaptopath* OR "Auditory Diseases, Central"[Mesh])

("Vestibulocochlear Nerve Diseases"[Mesh] OR "Vestibulocochlear Nerve"[Mesh] OR "Cochlear Nerve"[Mesh] OR "Peripheral Nervous System Diseases"[Mesh] OR "Cochlear Diseases"[Mesh]) AND ("Audiometry, Pure-Tone"[Mesh] OR "Audiometry, Evoked Response"[Mesh] OR "Evoked Potentials, Auditory, Brain Stem"[Mesh] OR "Otoacoustic Emissions, Spontaneous"[Mesh])

"auditory neuropathy"

("Cochlea"[Mesh] OR "Cochlear Implants"[Mesh] OR "Cochlear Nerve"[Mesh] OR "Cochlear Implantation"[Mesh] OR "Cochlear Microphonic Potentials"[Mesh] OR "Cochlear Diseases"[Mesh] OR "Hearing Aids"[Mesh] OR "Electrodes, Implanted"[Mesh] OR "Auditory

Brain Stem Implants"[Mesh] OR "Auditory Brain Stem Implantation"[Mesh] OR
"Vestibulocochlear Nerve Diseases"[Mesh] OR "Auditory Perceptual Disorders"[Mesh] OR
"Peripheral Nervous System Diseases"[Mesh] OR "Cranial Nerve Diseases"[Mesh]) AND (auditory
AND (neuropath* OR dys-synchron* OR dyssynchron* OR synaptopath*))

(auditory AND (neuropath* OR dys-synchron* OR dyssynchron* OR synaptopath*))

((DE "HEARING DISORDERS" AND PT "ACADEMIC JOURNAL") OR (DE "HEARING
DISORDERS --*" AND PT "ACADEMIC JOURNAL")) AND (neuropathy OR neuropathies OR
dys-synchron* OR dyssynchron* OR synaptopath*)

((DE="evoked potentials auditory brain stem") and((DE="hearing aids") or(DE="cochlear
implants"))) NOT DE="animals") and (DE="speech perception" or DE="treatment outcome")

(DE="auditory perception 05800" and DE="auditory stimulation 05950") and(DE="speech
perception 82700")