Use of Virtual Reality-Based Games to Improve Balance and Gait of Children and Adolescents with Sensorineural Hearing Loss: A Systematic Review and Meta-Analysis

Search Strategies

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EMBASE

('adolescent'/exp OR 'adolescent' OR 'teenager' OR 'child'/exp OR 'child' OR 'children' OR 'infant'/exp OR 'infant') AND ('hearing impairment'/exp OR 'auditory defect' OR 'bilateral deafness' OR 'deaf' OR 'deafness' OR 'deafness, bilateral' OR 'hearing damage' OR 'hearing defect' OR 'hearing impairment' OR 'hearing loss' OR 'hearing loss, bilateral' OR 'hearing loss, central' OR 'hearing loss, high frequency' OR 'impaired hearing' OR 'perception deafness'/exp OR 'deafness, sensorineural' OR 'neurosensory deafness' OR 'neurosensory hearing impairment' OR 'neurosensory hearing loss' OR 'sensori-neural hearing impairment' OR 'sensori-neural hearing loss' OR 'sensorineural deafness' OR 'sensorineural hearing impairment' OR 'vestibular disorder'/exp OR 'disorder, vestibular' OR 'vestibular diseases' OR 'vestibular disease' OR 'vestibular disturbance' OR 'vestibular dysfunction' OR 'vestibular impairment' OR 'vestibulopathy') AND

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CENTRAL

(pediatr*[tiab] OR child[mh] OR children[tiab] OR Adolescent[mh] OR Adolescent*[tiab] OR teen*[tiab] OR teenager[tiab] OR child*[tiab] OR infant[tiab]) AND ("hearing impairment"[mh] OR "hearing impairment"[tiab] OR "impaired hearing"[tiab] OR "auditory defect"[tiab] OR "hearing damage"[tiab] OR "hearing defect"[tiab] OR "bilateral deafness"[tiab] OR "deaf"[tiab] OR "deafness"[tiab] OR "hearing loss"[tiab] OR "perception deafness"[tiab] OR "deafness sensorineural"[tiab] OR "hearing loss sensorineural"[tiab] OR "neurosensory deafness"[tiab] OR "neurosensory hearing impairment"[tiab] OR "neurosensory hearing loss"[tiab] OR "sensori-neural deafness"[tiab] OR "sensori-neural hearing impairment"[tiab] OR "sensori-neural hearing loss"[tiab] OR "sensorineural deafness"[tiab] OR "sensorineural hearing impairment"[tiab] OR "sensorineural hearing loss"[tiab] OR "vestibular disorder"[tiab] OR "disorder vestibular"[tiab] OR "vestibular diseases"[mh] OR "vestibular disease"[tiab] OR "vestibular disorder"[tiab] OR "vestibular disturbance"[tiab] OR "vestibular dysfunction"[tiab] OR "vestibular impairment"[tiab] OR "vestibulopathy"[tiab]) AND ("Track and Field"[mh] OR "Track and Field"[tiab] OR "Racquet Sports"[mh] OR "Racquet Sports"[tiab] OR Basketball[mh] OR "Basket

ball"[tiab] OR Basketball[tiab] OR boxing[tiab] OR boxing[mh] OR "aquatic sports"[tiab] OR "aquatic sport"[tiab] OR "water sports"[tiab] OR watersport*[tiab] OR Bicycling[mh] OR Bicycling[tiab] OR cycling[tiab] OR "fencing (sport)"[tiab] OR "fencing sport"[tiab] OR soccer[mh] OR soccer[tiab] OR "artistic gymnastics"[tiab] OR "rhythmic gymnastics"[tiab] OR Golf[mh] OR Golf[tiab] OR handball[tiab] OR equestrian[tiab] OR Hockey[mh] OR Hockey[tiab] OR icehockey[tiab] OR "Martial Arts"[tiab] OR "Martial Arts"[mh] OR "martial art"[tiab] OR "martial sport"[tiab] OR "Weight Lifting"[mh] OR "Weight Lifting"[tiab] OR Wrestling[mh] OR Wrestling[tiab] OR Swimming[mh] OR Swimming[tiab] OR "Water Sports"[mh] OR "Water Sports"[tiab] OR "Water Sport"[tiab] OR pentatl*[tiab] OR football[mh] OR football[tiab] OR rugby[tiab] OR taekwondo[tiab] OR "taekwon-do"[tiab] OR "tae kwon do"[tiab] OR "pistol sport"[tiab] OR Tennis[mh] OR Tennis[tiab] OR "ping-pong"[tiab] OR triatlon[tiab] OR triathlon[tiab] OR Volleyball[mh] OR Volleyball[tiab] OR bobsleigh[tiab] OR bobsled[tiab] OR bobsledge[tiab] OR biathlon[tiab] OR curling[tiab] OR "alpine ski"[tiab] OR "cross-country"[tiab] OR ski[tiab] OR Hockey[tiab] OR luge[tiab] OR "ice skating"[tiab] OR "speed skating"[tiab] OR "Ski jumping"[tiab] OR skeleton[tiab] OR Skiing[mh] OR Skiing[tiab] OR Snowboarding[tiab] OR Dancing[mh] OR ballet[tiab] OR dancing[tiab] OR Slacklining[tiab] OR Slackline[tiab] OR Exergames[tiab] OR Virtual Reality[tiab] OR Virtual Reality Exposure Therapy[tiab] OR capoeira[tiab] OR "rope skipping"[tiab] OR bike[tiab] OR bicycle[tiab] OR "Roller skating"[tiab] OR rollerskating[tiab] OR skateboard[tiab] OR skateboarding[tiab] OR skating[mh] OR skating[tiab] OR surf[tiab] OR sport[majr])

CINAHL

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"martial sport" OR "Weight Lifting" OR "Wrestling" OR "Swimming" OR "Water Sports" OR "Water Sport" OR pentatl* OR "football" OR "rugby" OR "taekwondo" OR "taekwon-do" OR "tae kwon do" OR "pistol sport" OR "Tennis" OR "ping-pong" OR "triathlon" OR "triathlon" OR "Volleyball" OR "bobsleigh" OR "bobsled" OR "bobsledge" OR "biathlon" OR "curling" OR "alpine ski" OR "cross-country" OR "ski" OR "Hockey" OR "luge" OR "ice skating" OR "speed skating" OR "Ski jumping" OR "skeleton" OR "Skiing" OR "Snowboarding" OR "ballet" OR "dancing" OR "Slacklining" OR "Slackline" OR "Exergames" OR "Virtual Reality" OR "Virtual Reality Exposure Therapy" OR "capoeira" OR "rope skipping" OR "bike" OR "bicycle" OR "Roller skating" OR "rollerskating" OR "skateboard" OR "skateboarding" OR "skating" OR "surf")

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PEDro

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(("sports" OR "motor activity" OR "exergames" OR "virtual reality" OR "virtual reality exposure therapy") AND ("child" OR "adolescent") AND ("vestibular diseases" OR "hearing impairment"))