The role of vestibular information beyond control of posture

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Introduction : Vestibular dysfunction is a common, diagnostically challenging condition. e importance of diagnosing and managing vestibular de cits is well established. ese de cits are associated with falls, morbidity, diminished autonomy, and increased health care costs, especially among elderly individuals who are at increased risk for gait disturbances, balan disorders and bone fracture. ere is absolutely no doubt about the existence of widespread cortical vestibular representations, interestingly, there is still a lack of knowledge about the functions these cortical vestibular networks are involved in and with what other networks they overlap.

Materials & Methods: A review of the literature was performed in three databases (PubMed, Google Scholar, and Science Direct). Article types included review articles, systematic reviews, randomized controlled trials, and case control series for human subjects, published in English. e search query included vestibular, pain, multisensory integration, body representation, body schema.

Results: e vestibular system is a multimodal sensory system that is involved in many functions including re exes and