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Somatosensory Reflexes Neurophysiology of Benign Paroxysmal Positional Vertigo; Higher-Level Vestibular Processing; Velocity Storage; Internal Estimation-Going Beyond Reflexes; Higher Level Problems of the Vestibular System; Compensation for Overload; Vestibular Ambiguity; Motion Sickness; Repair; Summary; Chapter 2 Vestibulo-ocular Reflex Adaptation; Role of Vision and Head Motion in Adaptation-Overview; Critical Evidence of VOR Adaptation in Animals; Consolidation of VOR Learning; Role of the Peripheral End Organ in VOR Adaptation; Brainstem versus Cerebellar Site of Adaptation  
Unique Neuroplasticity Dependent on Lesion Type Critical Evidence of VOR Adaptation in Human; Short-term VOR Adaptation in Normal Function; VOR Gain Retention; VOR Adaptation in Unilateral Vestibular Hypofunction; Summary; Chapter 3 The Role of the Vestibular System in Postural Control; Perceiving Position and Self-Motion; Sensory Orientation; Orienting the Body to Vertical; Postural Alignment; Weighting Sensory Information; Controlling Center of Mass- Postural Responses; Triggering Automatic Postural Responses; Selection of Postural Strategies; Stabilizing the Head and the Trunk  
Clinical Implications Summary; Section Two: Fundamentals of Dysfunction; Chapter 4 Vestibular System Disorders; Benign Paroxysmal Positional Vertigo; Vestibular Neuritis; Meniere's Disease and Endolymphatic Hydrops; Perilymphatic Fistula; Vestibular Paroxysmia (Disabling Positional Vertigo); Bilateral Vestibular Disorders; Summary; Chapter 5 Vestibular Lesions of the Central Vestibular Pathways; Clinical Classification of Central Vestibular Disorders; Vestibular Disorders in (Frontal) Roll Plane; Etiology; Natural Course and Management  
Thalamic and Cortical Astasia Associated with Subjective Visual Vertical Tilts

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Sommario/riassunto

Recognized as two of the world's leading authorities on the subject, Susan Herdman and Richard Clendaniel, joined by a team of expert contributors, deliver the 4th Edition of the field's definitive text on the management of vestibular diseases and disorders. From assessment through therapy, they present the scientific and clinical knowledge you need to distinguish between vestibular and non-vestibular dizziness and to plan and implement the appropriate treatments

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