

Academy CEU Program

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Questions refer to Jacobson et al, “Significant Vestibular System Impairment Is Common in a Cohort of Elderly Patients Referred for Assessment of Falls Risk,” pp. 799–807.

Learner Outcomes

Each reader of this article should be able to

- Explain the effectiveness of “bedside” tests of vestibular system function.
 - Name three measures of the vestibular system that offer quantitative evidence of the risk of falls.
 - Identify the percentage of elderly that die within one year of sustaining a hip fracture.
1. What percent of patients who sustain hip fractures due to falls will die within 12 months of the injury?
 - a. 10%
 - b. 20%
 - c. 40%
 - d. 60%
 2. The authors report that “bedside” tests of vestibular system function are sensitive to asymmetries only if the asymmetries exceed:
 - a. 10%
 - b. 20%
 - c. 30%
 - d. 50%
 3. Which assessment is not included in the multifactorial risk of falls assessment?
 - a. depression
 - b. somesthesia
 - c. vestibular
 - d. manual dexterity
 4. What level of handicap on the Dizziness Handicap Inventory (DHI) did falls risk patients report on average?
 - a. none
 - b. mild
 - c. moderate
 - d. severe
 5. In this investigation, what percent of the falls risk cohort demonstrated evidence of vestibular system impairment?
 - a. 25%
 - b. 33%
 - c. 47%
 - d. 73%
 6. The percent asymmetry (unilateral weakness %) demonstrated in the falls risk cohort was:
 - a. 22–37%
 - b. 40–46%
 - c. 62–77%
 - d. 81–85%
 7. Kristinsdottir et al (2000, 2001) have reported that hip and wrist fractures resulting from falls occur:
 - a. on the same side as the ear with unilateral vestibular hypofunction
 - b. on the side opposite the ear with unilateral vestibular hypofunction
 - c. more toward the left side
 - d. with no predictable relationship
 8. What percent of the study sample only demonstrated an impairment in one of the three interdependent senses for balance and orientation?
 - a. 10%
 - b. 13%
 - c. 53%
 - d. 73%
 9. What percent of the study sample demonstrated impairments in all three interdependent senses for balance and orientation?
 - a. 19%
 - b. 32%
 - c. 47%
 - d. 75%
 10. The term coined by Drachman and Hart (1972) to describe reductions in the sensitivity of all three of the supporting senses is:
 - a. multisensory system impairment
 - b. Drachman/Hart syndrome
 - c. geriatric syndrome of dizziness
 - d. peripheral neuropathy