

전정증상의 국제적 분류와 이해



최 정 윤

분당서울대학교병원 신경과

Classification of Vestibular Symptoms

Jeong-Yoon Choi, MD, PhD

Department of Neurology, Seoul National University Bundang Hospital

CONTENTS

- I. What is the Vestibular Symptoms?
- II. International Classification of Vestibular Symptoms

SUBTITLE

- I. What is the Vestibular Symptoms?

“어지럽다”

What is the vestibular symptoms ?

Patients: 어지러워요!



어떻게 어지럽나요?



Doctors: 어지럽군요!

What is the vestibular symptoms ?



International Classification of Vestibular Symptoms

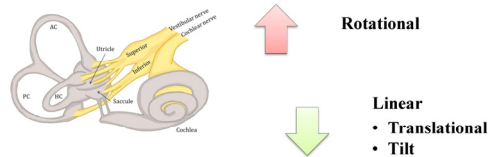
(Internal) vertigo

False motion sense at rest
Distorted motion sense during motion

Am I moving?

International Classification of Vestibular Symptoms

(Internal) vertigo



International Classification of Vestibular Symptoms

(Internal)
vertigo

Spontaneous vertigo

Triggered vertigo

Positional vertigo

Head-motion vertigo

Visually-induced vertigo

Sound induced vertigo

Valsalva induced vertigo

Orthostatic vertigo

Other-triggered vertigo

International Classification of Vestibular Symptoms

● Spontaneous vertigo:

Vertigo occurs in primary head position at rest.

Q) “가만히 앉아있는 자세에서도 어지럽습니까?”

International Classification of Vestibular Symptoms

● Triggered vertigo:

– Positional: changes of head position in relation to gravity direction

• Transient (paroxysmal): duration less than 1 min

• Persistent : duration more than 1 min

BPPV, CPPV, CPV

International Classification of Vestibular Symptoms

● Triggered vertigo:

– Head-motion:

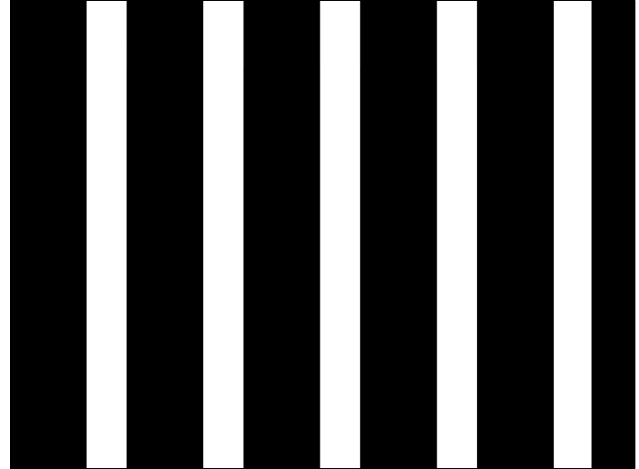
• occurring only during head motion (i.e., that is time-locked to the head movement).

• conceptualized as a distorted sensation of self-motion during actual self motion.

All conditions causing spontaneous vertigo

International Classification of Vestibular Symptoms

- Triggered vertigo:
 - Visual-induced:
 - triggered by a complex, distorted, large field or moving visual stimulus, including the relative motion of the visual surround associated with body movement.



International Classification of Vestibular Symptoms

- Triggered vertigo:
 - Visual-induced:

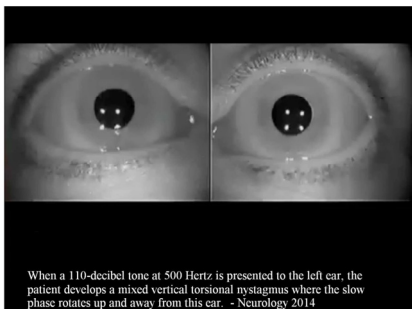
Physiologic conditions
Central dysfunction



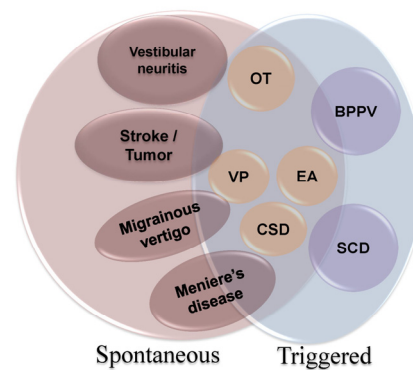
International Classification of Vestibular Symptoms

- Triggered vertigo:
 - Sound-induced: ex. Tullio phenomenon
SCD, Middle ear fistula, MD
 - Valsava-induced: ex. glottic Valsalva / nose-pinch Valsalva
SCD, Middle ear fistula, MD, Arnold-Chiari Malformation
 - Orthostatic: mostly attributed to O. Hypotension
O. HypoT
 - Other-triggered: ...

International Classification of Vestibular Symptoms



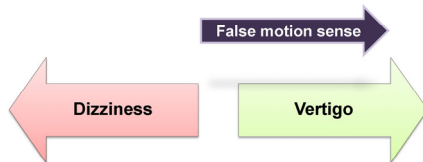
International Classification of Vestibular Symptoms



International Classification of Vestibular Symptoms

Dizziness

the sensation of disturbed or impaired spatial orientation without a false or distorted sense of motion.



International Classification of Vestibular Symptoms

Dizziness

Spontaneous dizziness

Triggered dizziness

Positional dizziness

Head-motion dizziness

Visually-induced dizziness

Sound induced dizziness

Valsalva induced dizziness

Orthostatic dizziness

Other-triggered dizziness

International Classification of Vestibular Symptoms

What is the difference between vertigo & dizziness ?

Intensity with temporal features
Location of lesions
Nystagmus

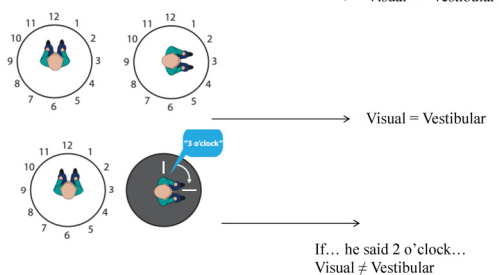


International Classification of Vestibular Symptoms

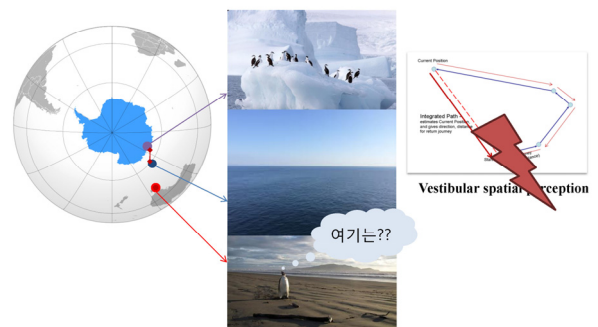
Where am I?

International Classification of Vestibular Symptoms

Spatial perception



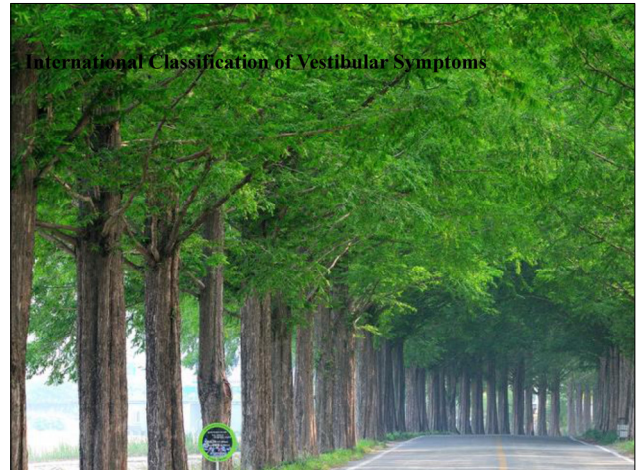
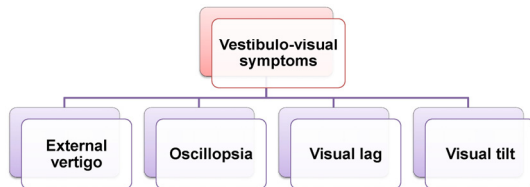
International Classification of Vestibular Symptoms



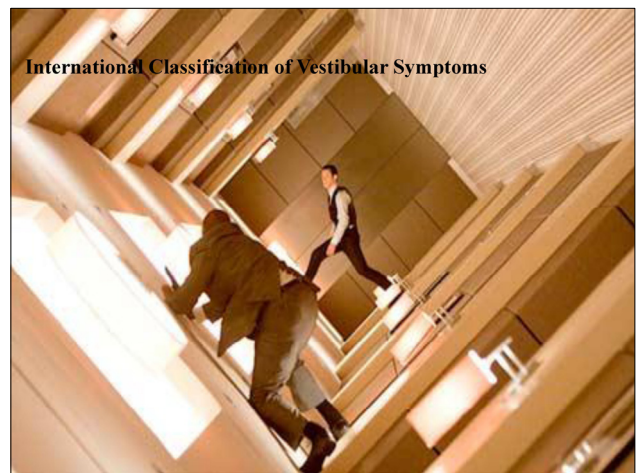
International Classification of Vestibular Symptoms

Vestibulo-visual symptoms

Visual symptoms that usually result from vestibular pathology or the interplay between visual and vestibular systems.



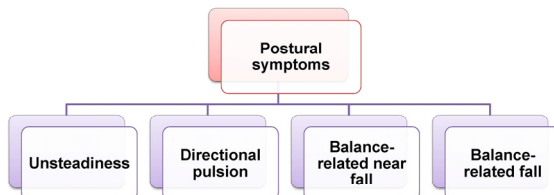
International Classification of Vestibular Symptoms



International Classification of Vestibular Symptoms

Postural symptoms

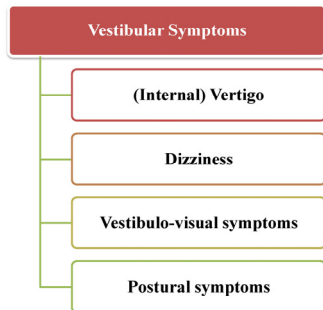
Balance symptoms related to maintenance of postural stability, occurring only while upright (seated, standing, or walking).



International Classification of Vestibular Symptoms



International Classification of Vestibular Symptoms



International Classification of Vestibular Symptoms



International Classification of Vestibular Symptoms

