

Nystagmus:

To and fro eye movements

Greek for head nodding

Normal and abnormal types

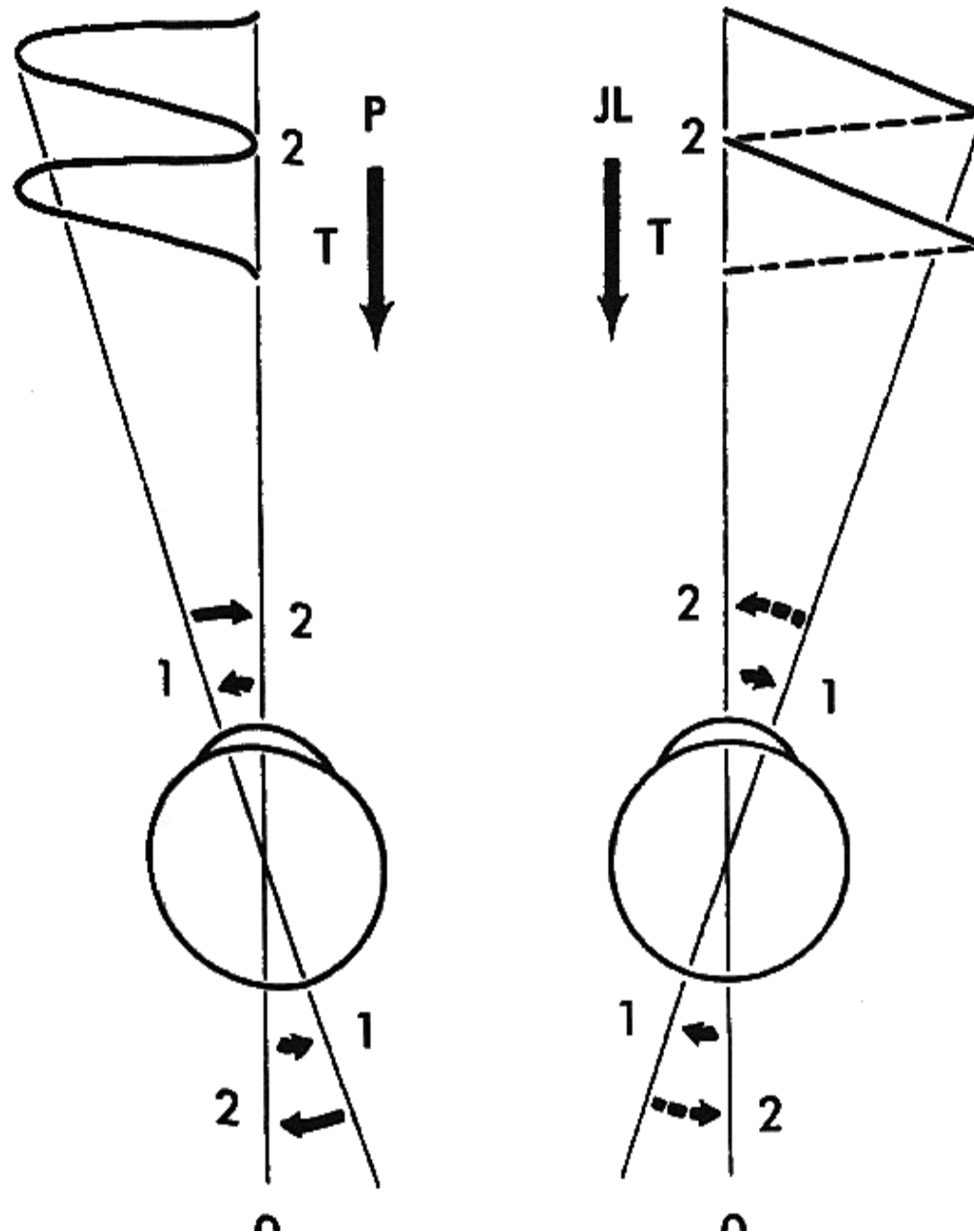
Classify by wave form and fast phase direction

Wave forms- pendular and jerk

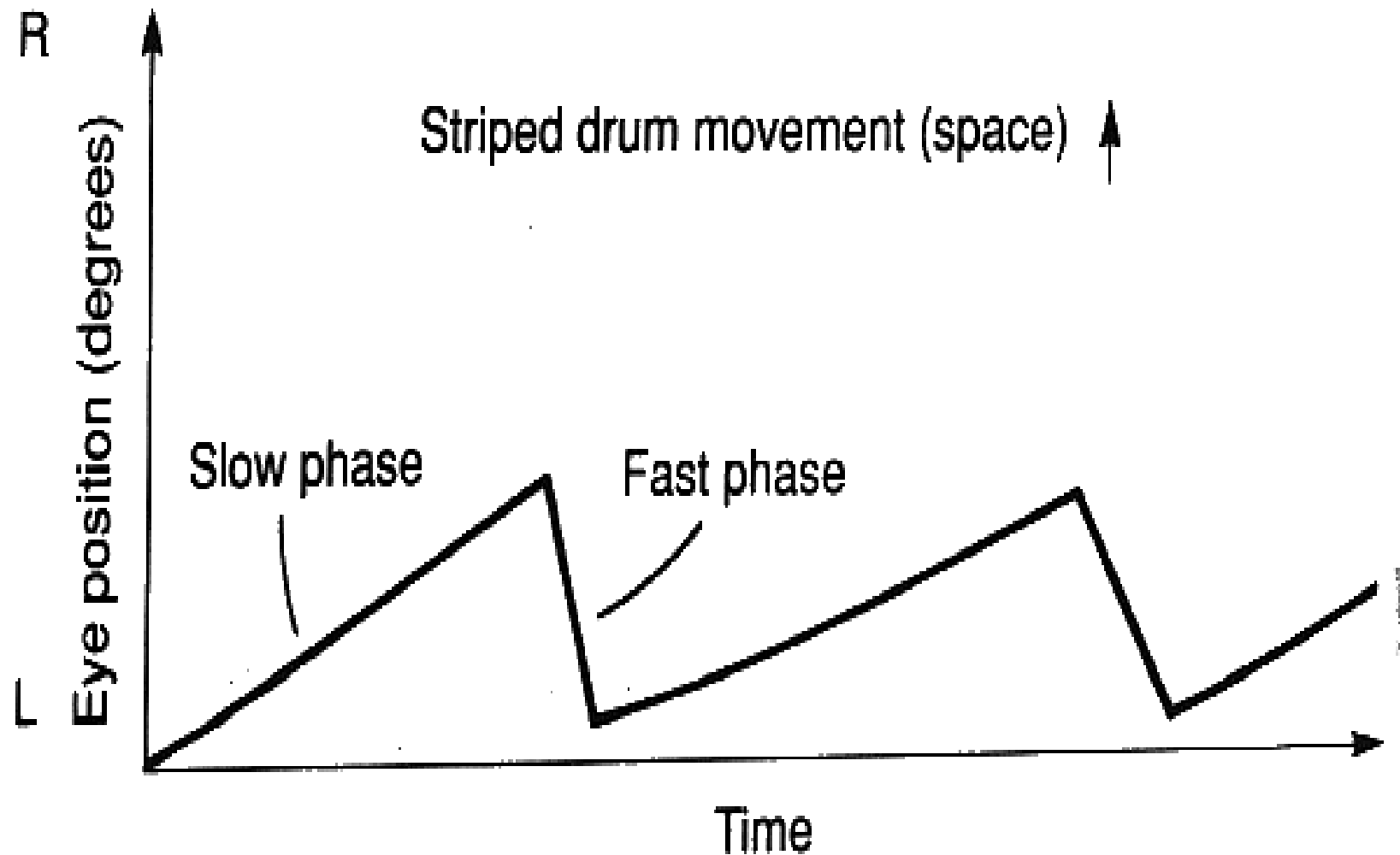
Directions (fast phase)

- horizontal, vertical and cyclo

Pendular and Jerk Nystagmus

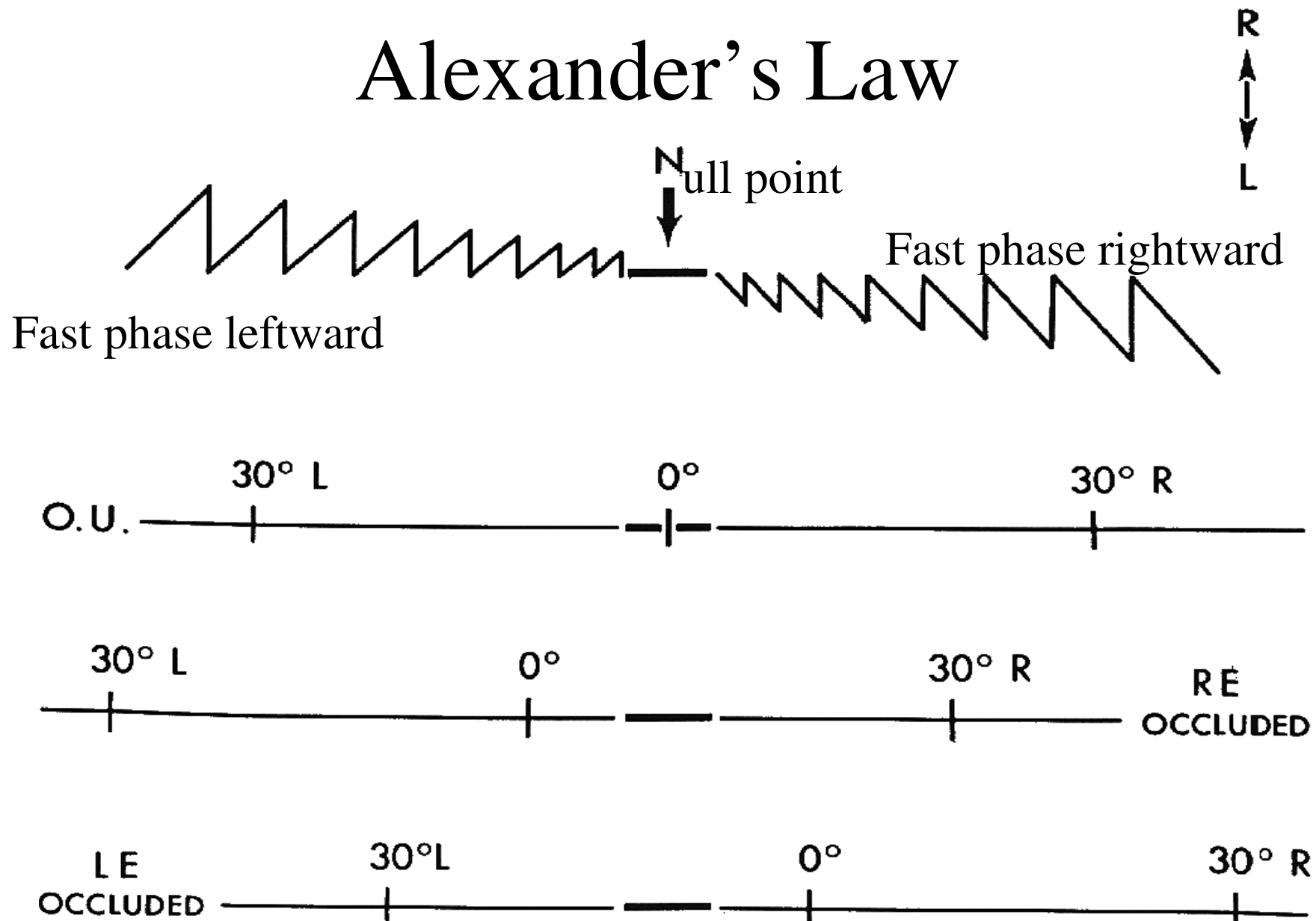


Slow and Fast phase of Jerk Nystagmus



Specify direction of nystagmus by fast phase direction- easier to see

Alexander's Law



Amplitude increases with gaze shift toward direction of fast phase.

Classify nystagmus as you do strabismus:

Congenital

Developmental

Acquired

Normal forms of nystagmus

OKN

VOR

Voluntary- back to back saccades

Voluntary Nystagmus



Congenital nystagmus

Associated with albinism and reduced VA

VA reduced by non-foveal images

Adopt head turn to find null-point & minimize with prisms

Nystagmus blocking syndrome- large esotropia

Follows Alexander's law- Amplitude increases with gaze shift toward direction of fast phase.

Congenital Nystagmus



Developmental Nystagmus:

Latent Nystagmus-

part of infantile strabismus syndrome

LN, DVD, asymmetric OKN

Spasmus Nutans- normally grow out of it.

R
↑
↓
L

Latent Nystagmus

BINOCULAR



LE OCCLUDED



RE OCCLUDED



Latent Nystagmus- Developmental



Spasmus Nutans



Acquired Nystagmus

Sudden onset.

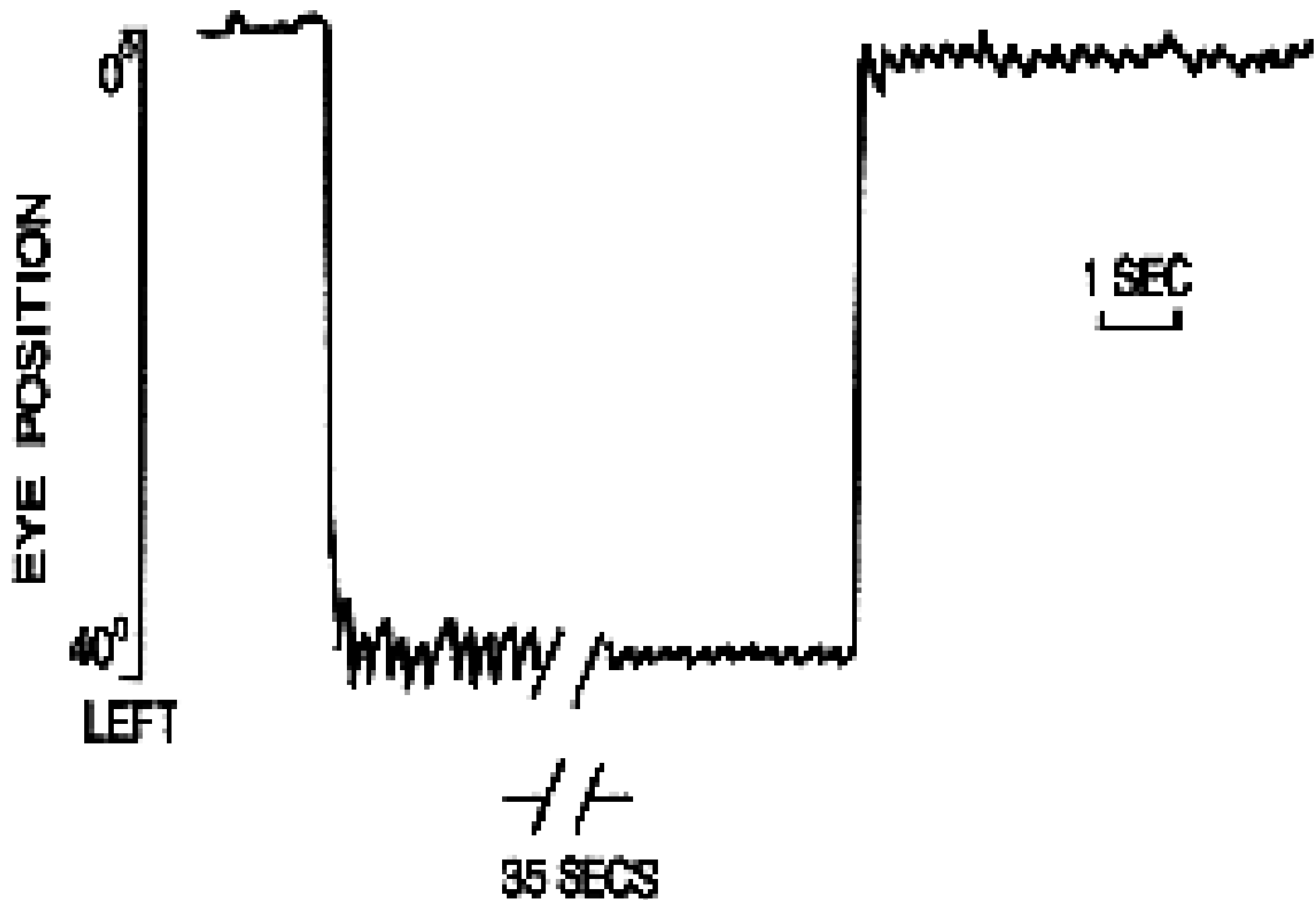
Acquired Nystagmus- pendular and jerk combo

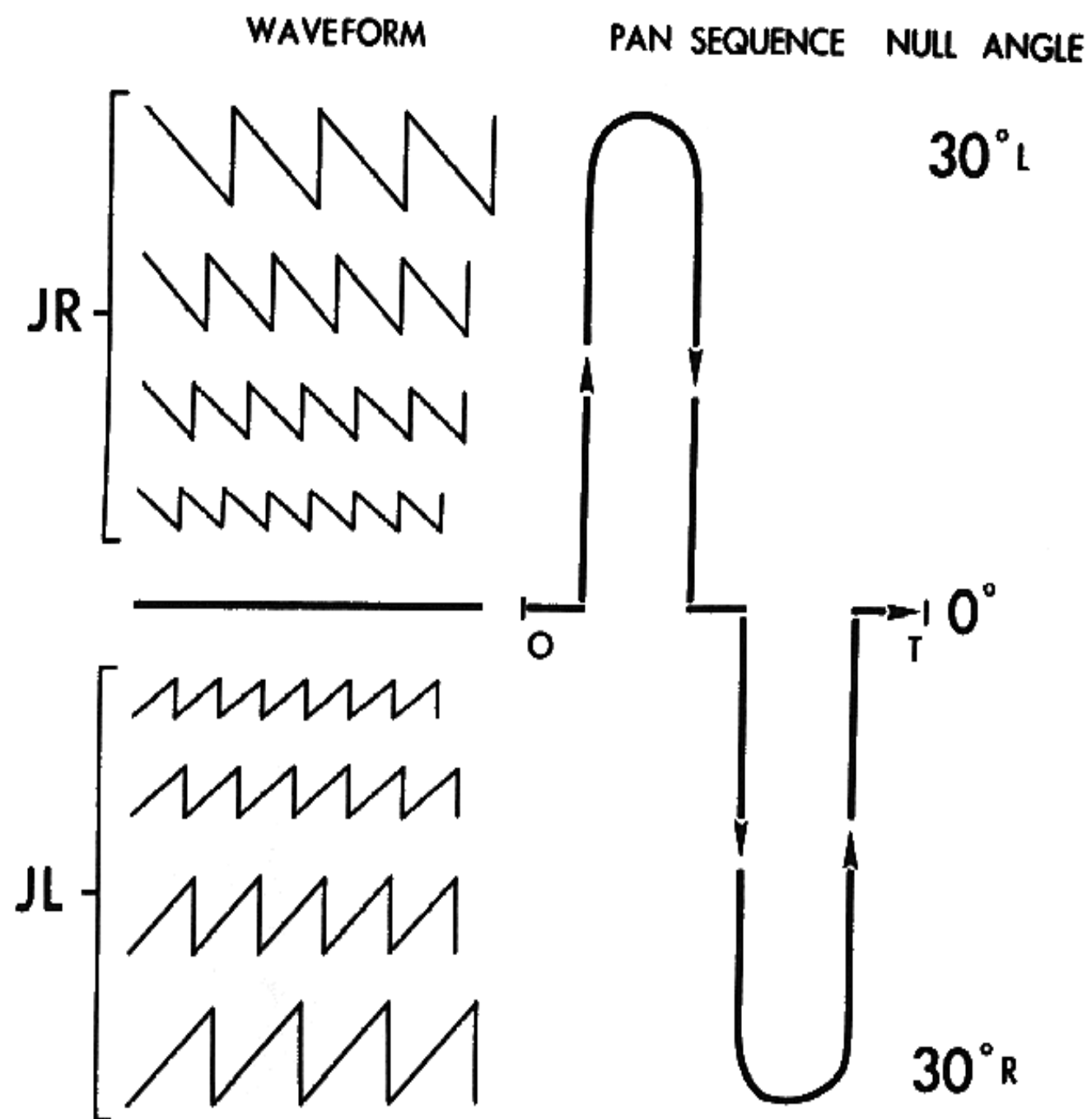


Oscillopsia- acquired nystagmus



Gaze evoked Endpoint Nystagmus





Periodic Alternating Nystagmus



Rebound Nystagmus – gaze right evoked with rebound



Rebound Nystagmus – gaze left evoked with rebound



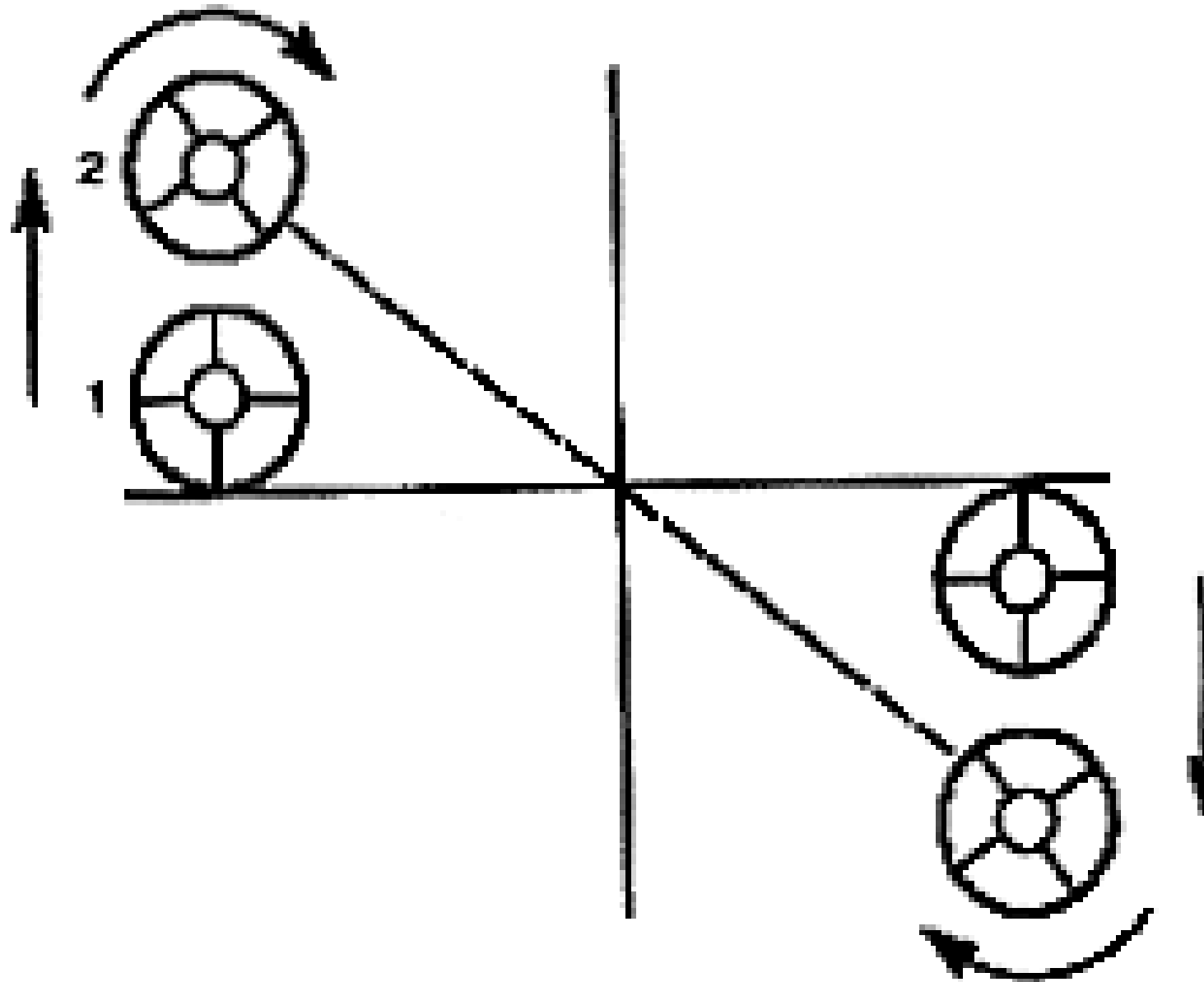
Hyperventilation Nystagmus



Vertical forms of nystagmus:

Cerebellar disorders

SeeSaw Nystagmus



SeeSaw Nystagmus



Downbeat Nystagmus



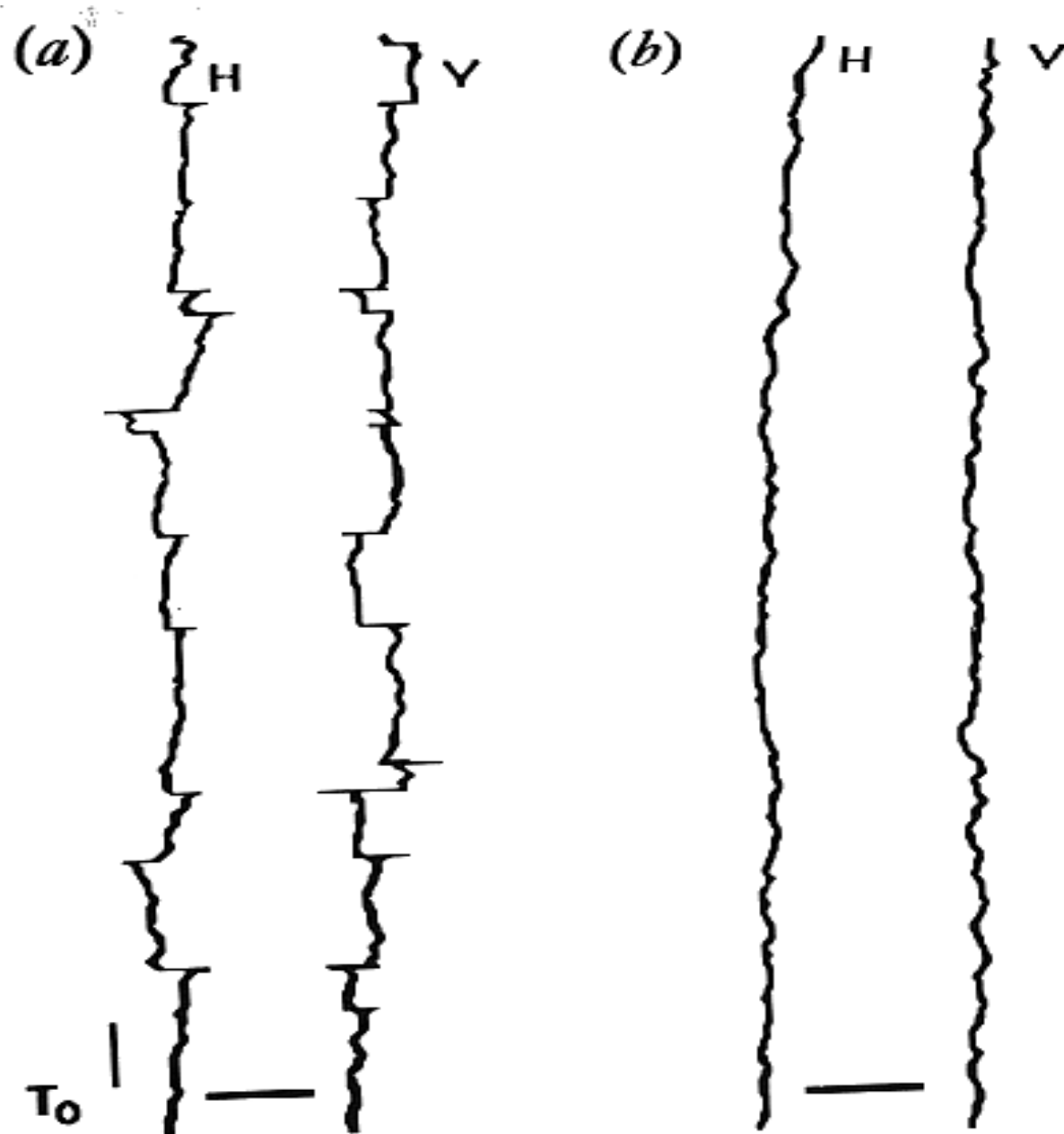
Upbeat Nystagmus

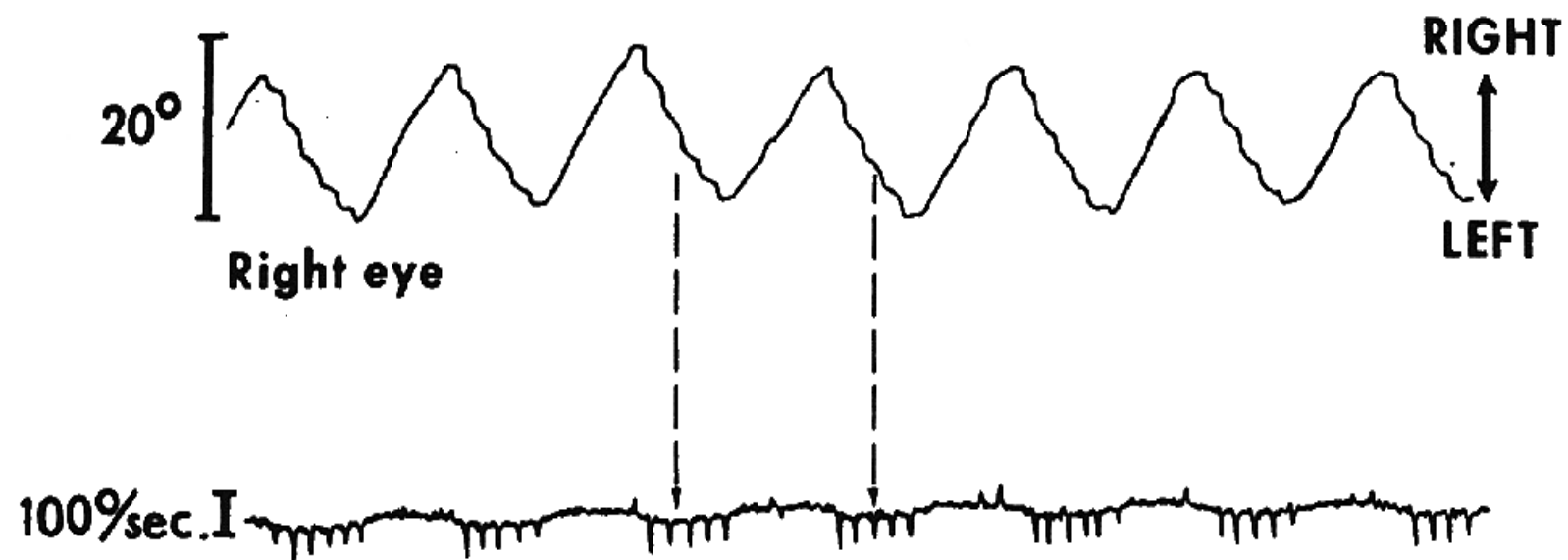


Ocular Bobbing



Slow Control





1 sec.



