

History of Pupillometrics

- Darwin
- Hess
- Janisse

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Mechanism

- Pupil's diameter
- Antagonistic Muscles in the Iris
- Pupillary Unrest or "hippus"

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Measuring Activity

- o Infrared Imaging
- o Photographic Recording
- o Electronic Scanning

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Eye Blinks

- Voluntary Closing of the Eyelids
- Reflex Blinking
- Periodic Blinking
- Amplitude, Closure Duration , Frequency

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Eye Movements

- Visual Process and Eye Muscles
- Electrooculogram (EOG)
- Lateral/Vertical Eye Movements
- Saccadic Eye Movements
- Smooth Pursuit Movements
- Smooth Compensatory Movements
- Physiological Nystagmus
- Rapid Eye Movements (REM)
- Conjugate, Convergence, Divergence

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Psychophysiological Studies

- Pattern of activation/Emotional Valence
- Mental Effort
- Rapid Eye Movement (REM)
- Abnormal Psychology
- Reading
- Illusions
- Startle Response

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