



equicog

Cranio Oculo Graphy : VNG++

Real time head tracking along with eye tracking.





Highlights



Configurable positional protocols.



Playback recorded video in slow motion .



Velocity plots.



Head velocity tracing.

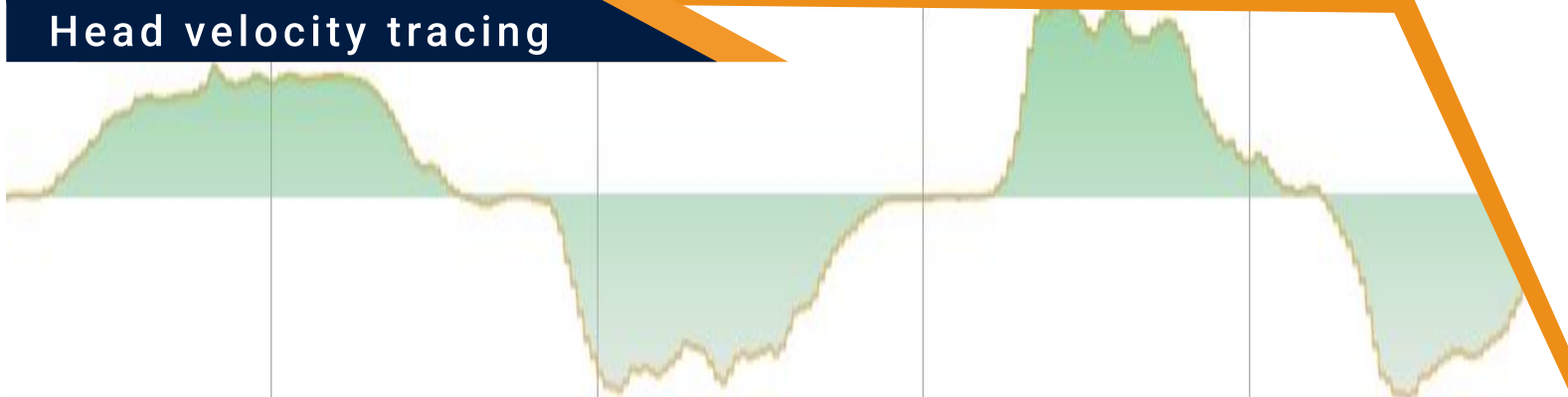


Eye video with simultaneous head orientation view.



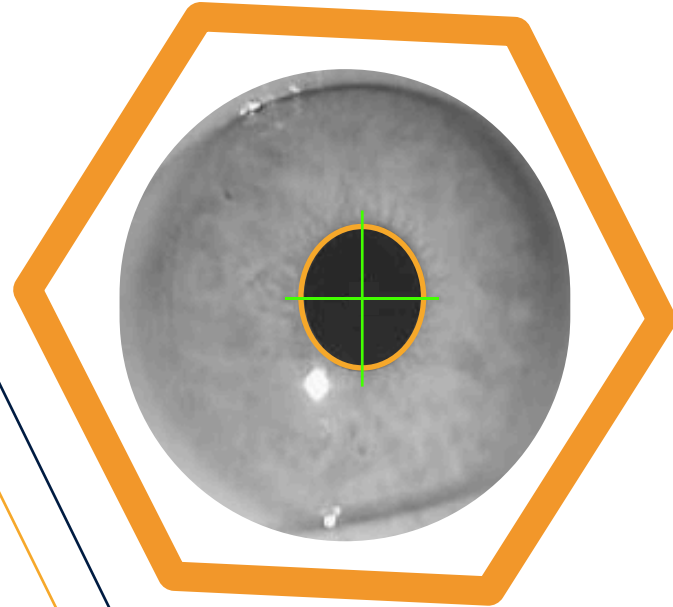
Upcoming step prompts during positional tests with real time feedback of head orientation.

Head velocity tracing





Features



Enhanced videonystagmography with simultaneous head orientation and movement tracking.

Each eye recorded at 100 fps and playback at slow motion.

Pupillometry test with bright white light.

Sleek and non intrusive design that allows all positional tests without being obtrusive.



Protocols

Ocular motor protocols



Saccades



Pursuit



Gaze



Optokinetic

Vestibular protocols



Nystagmus



Positional tests



Caloric test



Clinical chair rotation

Advanced protocols



Video Frenzel



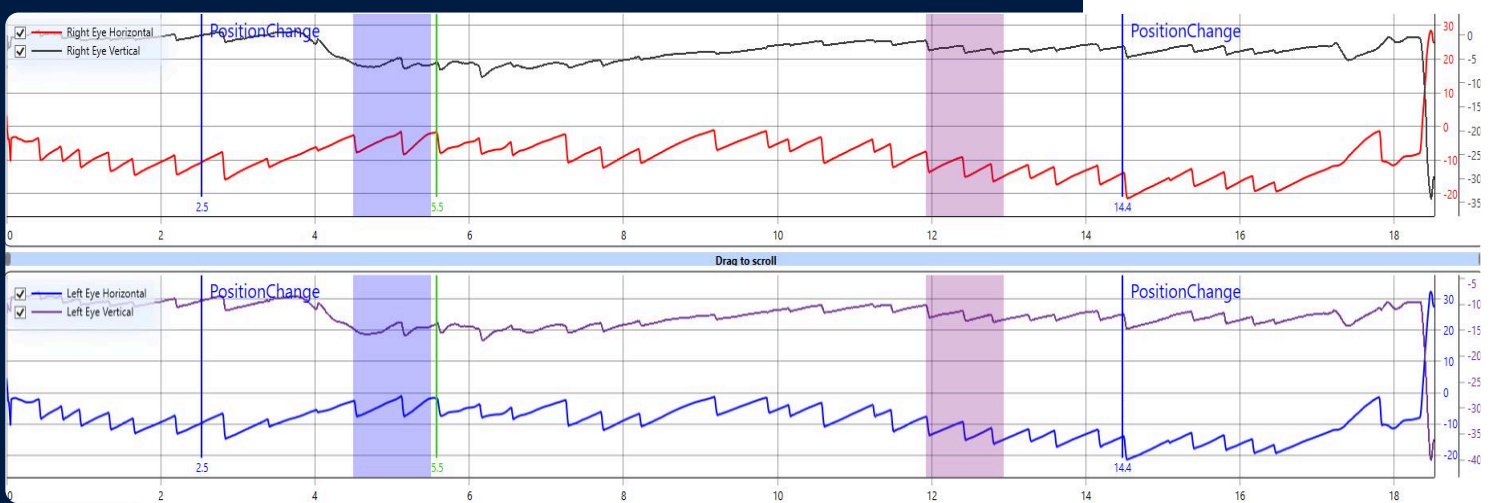
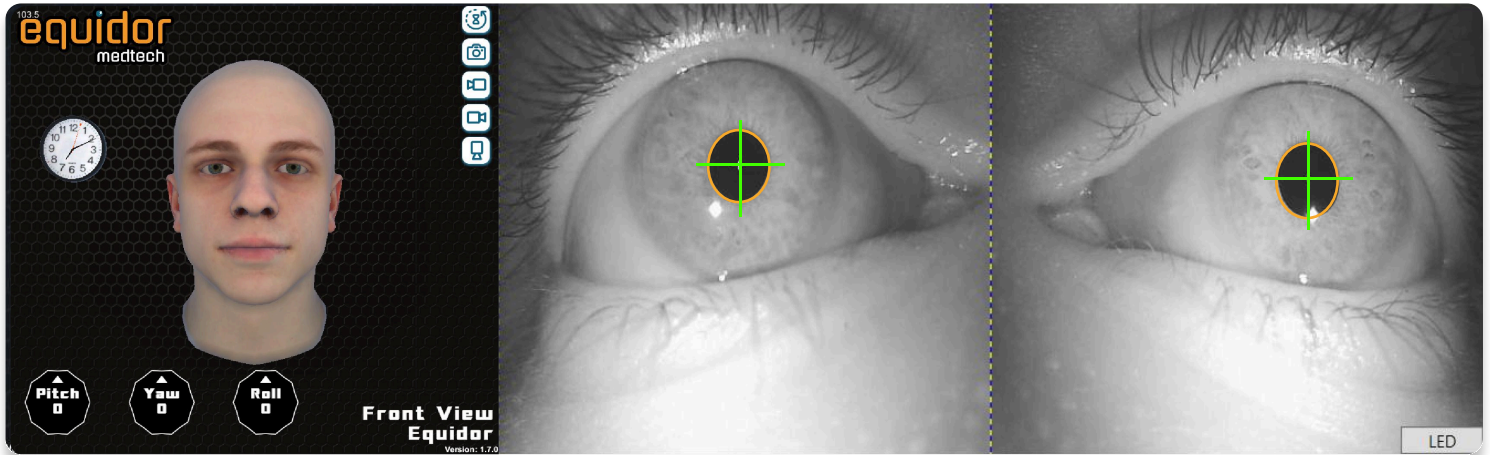
Advanced Pursuit



Pupillometry



Advanced Saccades



Results

Presenting for the first time in **Videonystagmography**: Rectangular grid position traces and velocity traces.

Horizontal, vertical eye & head velocity traces.

Horizontal slow phase velocity, vertical slow phase velocity, cumulative slow phase velocity.

Nystagmus direction in angles.

Nystagmus amplitude.

Velocity and latency of the Saccades



Product Objectives

EquiCOG redefines ocular motor and vestibular evaluation by bringing in highly desired features that were absent in conventional systems like head position and movement recording, nystagmus plotting and pupillometry.

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Disclaimer:

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