

DISOFT II



The most advance software platform for vestibular diagnostic.



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VNG/ENG

vHIT

Rhinomanometry

Stabilometry

Subjective Verticality

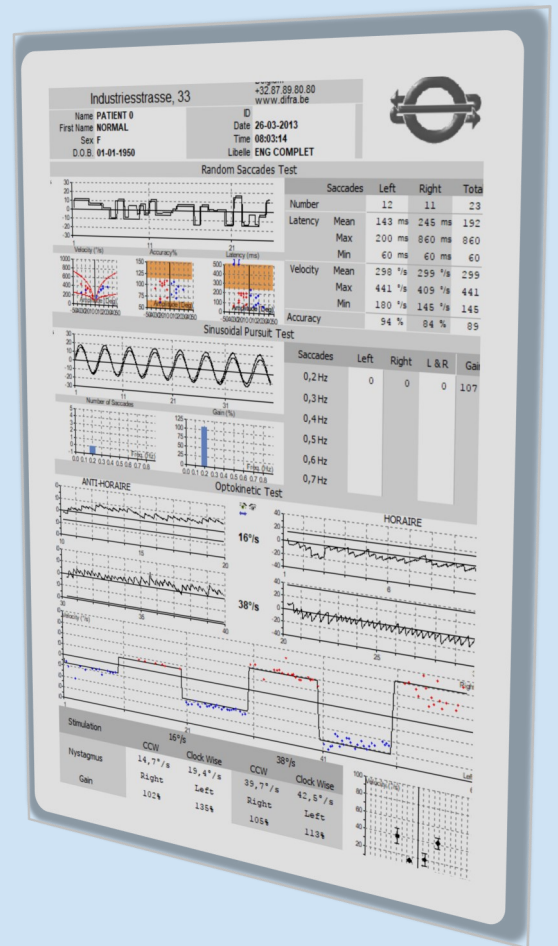
OCULOGRAPHY

With a TV or a beamer as display, oculography tests can be done in one step. Saccades or nystagmus are automatically detected and classified in graphs and numerical results.

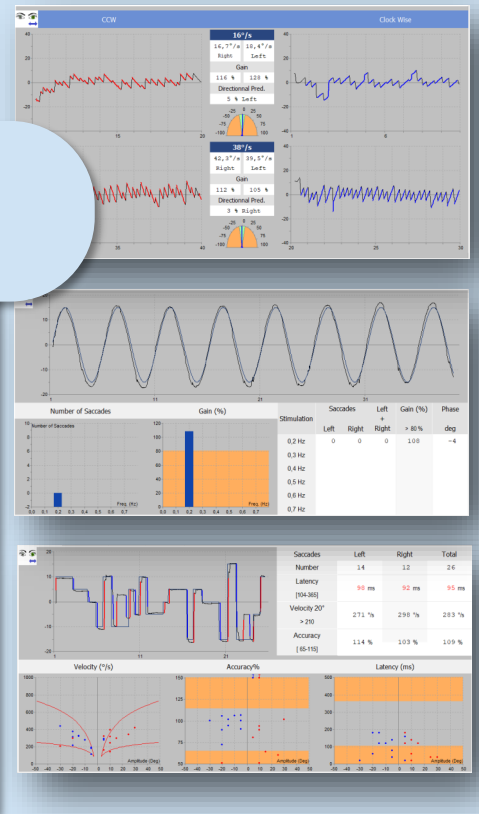
Anti-saccade tests are part of oculography family with easy instructions for patient using red or green dots as targets.

Available Tests

- Calibration tests with saccades or targets stimulation.
- Regular, Random and Anti- saccades with horizontal or vertical stimulation.
- Smooth pursuit with horizontal or vertical stimulation.
- Optokinetic with horizontal or vertical stimulation.



HD Visual Stimulation



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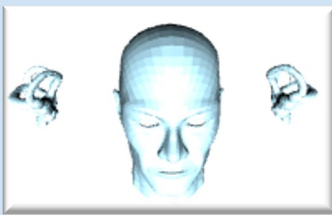
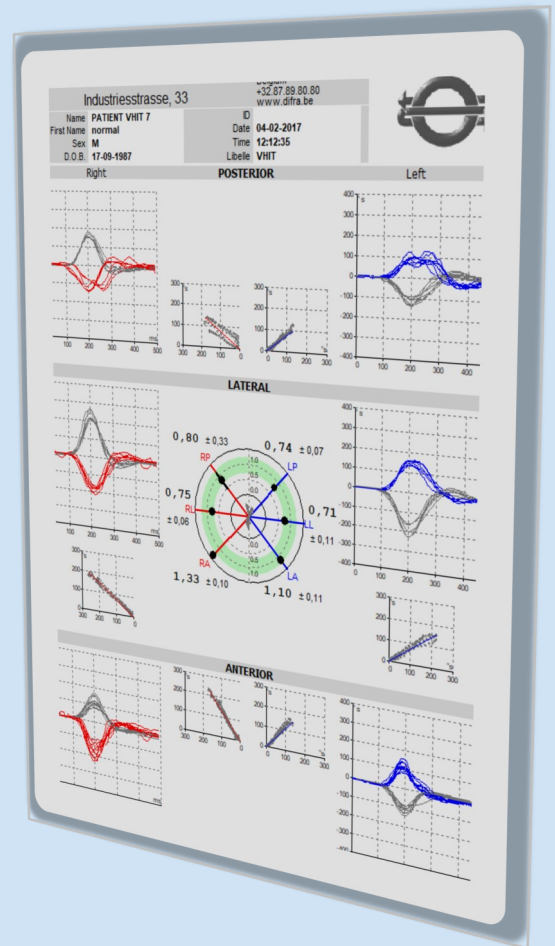
Subjective Verticality

With Difra VNG Headstar device, its high speed camera (up to 250Hz) and gyroscope, head and eye movements are recorded and analysed to calculate VOR gain during small amplitude head thrusts.

All six semicircular canals (lateral, anterior and posterior) can be assessed.

HIMP and SHIMP tests are available with the help of the built-in fixation light inside the goggle.

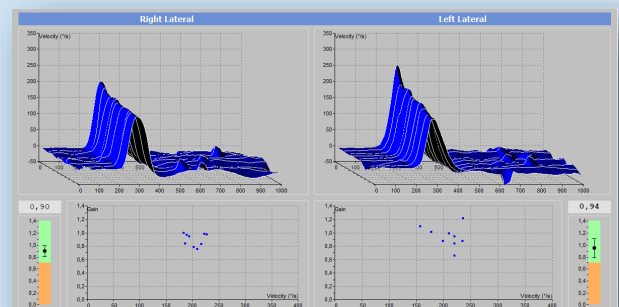
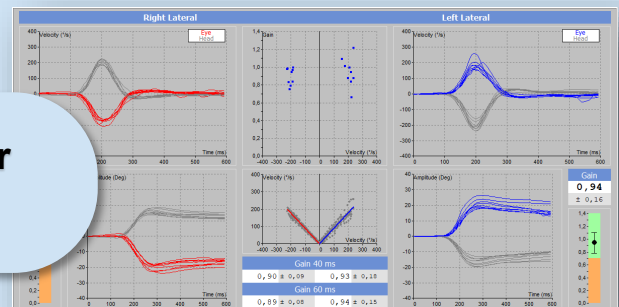
Results are available in 2D or 3D views. Overt and covert saccades detection allows proper diagnosis and rehabilitation recommendations.



Available Tests

- Lateral HIMP VHIT
- RALP and LARP HIMP VHIT
- Lateral SHIMP VHIT

3D Headstar sensor



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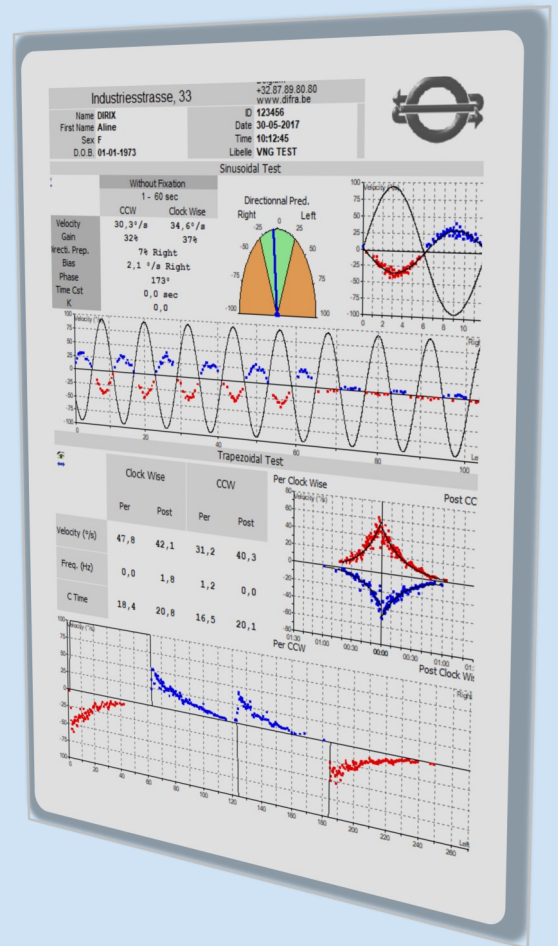
ROTATIONAL

Four models of chair are available: NanoTorque, MiniTorque, MegaTorque and GigaTorque. All allows to run standard Sinusoidal, SHAT and Start and stop tests (trapezoidal). Transfer function of VOR reflex is calculated for Sinusoidal tests and time decay function for Start and stop tests.

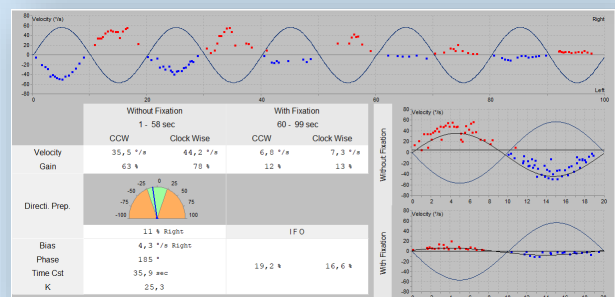
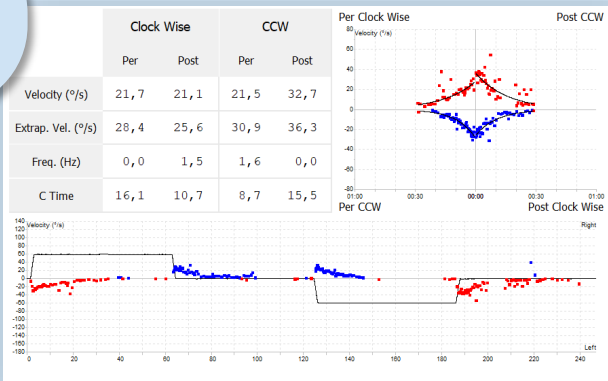
Vertical Off Axis Rotation (VOAR) and Mini-centrifuge stimulations are also available using our GigaTorque or MegaTorque chair.

Available Tests

- Sinusoidal test with configurable velocity and amplitude.
- SHAT test.
- Start and stop test.
- Mini-centrifuge and VOAR.



Nano Torque



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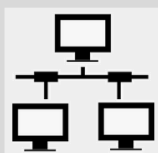


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SOFTWARE ABILITIES*



- Multiple Data-base engine compatibility : MS-SQL, MySQL, Firebird and MS-Access.



- Multiple stations working together on the same Data-base.
- Dedicated review application (network application).



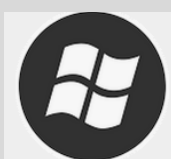
- Data Exchange using standard protocols (HL7, GDT, ...).
- PDF, RTF and XLS export.



- Touch-screen compatible: one finger list scroll, buttons.



- Create standard AVI video files and export to any other software.



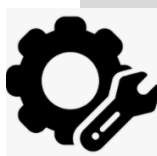
- Compatible Windows 7, 8, 10.



- Foot or hand remote control option : Start/ stop, fixation light On/Off. Repeat previous test.



- Dual screen possibilities: Patient eye(s) in full screen and/or visual stimulation for oculography.



- Unlimited tests settings and software customisation.
- Multiple predefined tests sequences.



- Powerful report layout editor, for a perfect report output. (PDF or paper).



- Easy way to modify or edit nystagmus detection. Directly on graphical results or in full screen raw signals.



- Multiple text files support : Anamnesis, test comment, final interpretation, ...
- Automatic tests results summary: main results and tests done.

| ENG / VNG | | SW | |
|--|---|------------------------------------|---|
| B Spontaneous and Gaze Test | Nyst. SPV and Freq (with and without fixation) | Verticality test, Staircase | Angle of Perceived Center |
| A Position and Positioning (Dix-Hallpike, ...) | Nyst. SPV and Freq | | |
| S Caloric Tests | Nyst. SPV and Freq, Directional Preponderance, Labyrinth Paresis. | RHINOMANOMETRY | |
| I | Fixation Index. | Anterior Left and Right | Flow, pressure and resistance. |
| C Rotational test | Nyst. SPV and Freq, Directional Preponderance, Gain, Fixation Index. | Posterior Left and Right | Broms' Angle., |
| | | Posterior Total | 4 Cycles Analyse (VR, Log VR, ER, LER, ...) |
| O Saccades and Random Saccades | Latency, accuracy, velocity | STABILO | |
| C Smooth Pursuit | Gain, saccades detection | LOS - Limit of Stability | Reaction Time, Velocity, End/Max Excursion, Direction Control |
| U Optokinetic | Nyst. SPV and Freq, Gain, Directional Preponderance | SOT - Sensory organisation test | Stability Index, Ellipse Surface, Length, Velocity |
| L | | FBK - Bio feedback rehabilitation. | SOM, VIS, VEST and REF index, Romberg index. |
| O | | DVA | |
| H Active Head Rotation | VOR Gain, Phase and Asymmetry by Frequency | Static | Log-Mar |
| E VHIT 6-axis | VOR Gain, presence of saccades (over / cover). | Dynamic, Dynamic on treadmill | Log-Mar / Head Velocity. |
| A VHIT SHIMP | | DB - Data Exchange | |
| D | | Use SQL DB | MS-SQL, MySQL, Firebird, MS-Access |
| T Sinusoidal | Gain, Bias, Phase, Time Cst. Directional Preponderance, Fixation Index. | Import / Export data | HL7, GDT, Report in PDF |
| O | | | |
| R Start and Stop | Peak velocity, Decay time constant | | |
| Q Micro-centrifugal / Tilt off-axis. | Excentration, torsional eye sinus fit. | | |

* Features and characteristics illustrated in this flyer can be bound to specific hardware or software purchase or configuration.



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