

## Balance diagnostic made in Germany

Vertigo and dizziness are one of most complaints in clinical praxis.

Every 5th adult suffers from vertigo and dizziness. The causes of dizziness can be very different.

With the help of different test procedures, the origin of the dizziness can be diagnosed.

The main focus of diagnostics is on:

- Vestibular testing:
  - >> Video head impulse test (eHIT)
  - >> Bithermal caloric test (eVNG)
  - >> Vestibular evoked myogenic potentials (eVEMP)
  - >> Subjective visual vertical - SVV (eSUV)
- Oculomotor function:
  - >> Smooth pursuit test (eVNG)
  - >> Saccadic test (eVNG)
  - >> Optokinetic test (eVNG)
  - >> Fixation suppression (eVNG)
- Somatosensory testing:
  - >> Posturography (ePOSTURO)
  - >> Somatosensorisch evozierte Potentiale (SEP)
- Neurophysiology:
  - >> Somatosensory evoked potentials (SEP)
  - >> Motor evoked potentials (MEP)
  - >> Acoustic evoked potentials (eABR)

The BioMed Jena GmbH offers you all of this devices from one source.

All devices have been developed by us and are also produced at the Jena city.

### eHIT USB



The video head impulse test (vHIT) is a fast method and accurate method for objective examination of all 6 semicircular canals. The investigation carried out by the evaluation of the vestibular ocular reflex. [Read more ...](#)

### eVNG USB



The eVNG USB is THE Videonystagmography system with functionality, you will be impressed by. The stable binocular mask with built-in motion sensors convinced [... click](#)

## eSUV USB



Utricle function test with the subjective visual vertical and horizontal

The determination of the subjective visual vertical in static and dynamic way are valuable hints to the function of the otolith organs, specifically to the utricle [... click](#)

## eVEMP USB



Vestibular Evoked Myogenic Potentials (VEMP) are a reaction of the vestibular system to acoustic stimuli. cVEMP are used to selectively and side specific diagnostic of saccule. The first description of VEMP was performed by Colebatch and Halmagyi in 1992. With the eVEMP device both c- and oVEMP can be derived. [... Click](#).

## ePOSTURO



Posturography (Equilibrium Analysis) is a method for determining the functionality of the postural control under load of the lower extremities. Using position sensors, the weight shifts and the vibration behavior of the body is determined and recorded. The data on the vibration behavior are considered indicators of balance, stability and symmetry. The results of the measurements provide evidence for diagnosis and therapy. [More ....](#)

## eFRENZEL USB



The eFRENZEL - video frenzel goggles provides ideal conditions for fixation-free observation and recording of eye movements. Furthermore the stimulating maneuvers can also be recorded. At a glance, you can see the movements of the eyes resulting from the maneuver performed. You can create comments and notes for the individual videos.