

# balanceback™ – THE LEADER IN FALL PREVENTION

*Allowing all physicians to perform in-office balance testing*

The device developed by **balanceback™** is the intuitive Videonystamography– iVNG™, which has been used clinically for more than eleven years and is a patented technology. Validation of the iVNG™ system's accuracy and reproducibility have been documented through many clinical settings; including at Yale University, University of Miami, University of Kentucky, Georgetown University, and many other prestigious institutions.

The patented iVNG™ technology is a standardized, recognized quantifiable diagnostic tool which is necessary to differentiate between peripheral vertigo or CNS vertigo. It also assists in identifying which side of the vestibular system is abnormal in peripheral vertigo cases. It represents the next generation of testing, has many advantages over other VNG and ENG systems, and has been granted several 510k clearances. The iVNG™ device has also been used worldwide which gives an idea of its broad applicability, with units in China, India, South America, Europe and the Middle East, as well as the USA and Canada.

## Physician's experiences

Howard T. Mango, Au.D., Ph.D. is Founder and Executive Director of the Newport-Mesa Audiology Balance and Ear Institute in Newport Beach, CA. He has worked with ENG/VNG devices since the 1970's and was one of the early adopters of the iVNG™ unit ten years ago. He commented that before this was available, previous VNG devices were not very user-friendly and the software was difficult to navigate. "The iVNG™ cameras offer significantly greater resolution", he says, "which provides more detailed analyses and higher quality images. There is nothing better!"

While there are many conditions that can be diagnosed with iVNG™ (see Table 1) one in particular that has been helped by the use of iVNG™ is Benign Paroxysmal Positional Vertigo (BPPV) according to Dr. Mango. As a result of using the iVNG™ for this and other conditions, he says "Overall, we do a much better job of obtaining the data and interpreting the data for our patients. The whole high tech appearance helps our image and the doctors that refer us patients like that reports are more comprehensive."

Salvatore Gruttadauria, Au.D., CCC, Sp/A, CEO, Diversified Hearing Services, Buffalo, NY has used **balanceback™** to diagnose patients' complaints of dizziness and related problems. He considers iVNG™ to be the gold standard in its field, with the ability to provide a diagnosis based on a number of sub-tests that form part of the overall testing protocol. What he feels is especially useful is the software package that provides a detailed report of the outcome of all the tests that are performed. Dr. Gruttadauria suggests that this does not constitute the final diagnosis but it guides the clinician to focus on those aspects which are far more likely to be the root cause of the problem.

The lightweight goggles are another feature that Dr. Gruttadauria likes. He says that these are especially appealing for use on older patients and with an aging population, this is important; not just in the US, but around the world. Overall, he is very impressed with how the iVNG™ functions.

## Conclusion

The iVNG™ device from **balanceback™** offers cutting-edge technology to ensure a correct diagnosis is made, and has been an invaluable tool for those

who use it. The result is reduced hospital re-admissions, lower costs and improved patient care.

For more information, please contact:

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**Howard T. Mango, Au.D., Ph.D.**

Central Nervous System Disorders	Vestibular Disorders	Other Conditions
<ul style="list-style-type: none"> <li>√ Migraine-Associated Vertigo</li> <li>√ Basilar Invagination</li> <li>√ Multiple Sclerosis</li> <li>√ Tumor</li> <li>√ Trauma</li> <li>√ Stroke</li> </ul>	<ul style="list-style-type: none"> <li>√ Benign Paroxysmal Positional Vertigo (BPPV)</li> <li>√ Menier’s Disease</li> <li>√ Labyrinthitis</li> <li>√ Ototoxic Vestibulopathy</li> <li>√ Vestibular Neuritis</li> </ul>	<ul style="list-style-type: none"> <li>√ Acoustic Neuromas</li> <li>√ Viral Infections of the Inner Ear</li> <li>√ Cerebellopontine Angle (CPA) Tumors</li> </ul>

Table 1. Conditions which iVNG™ may help to identify

