

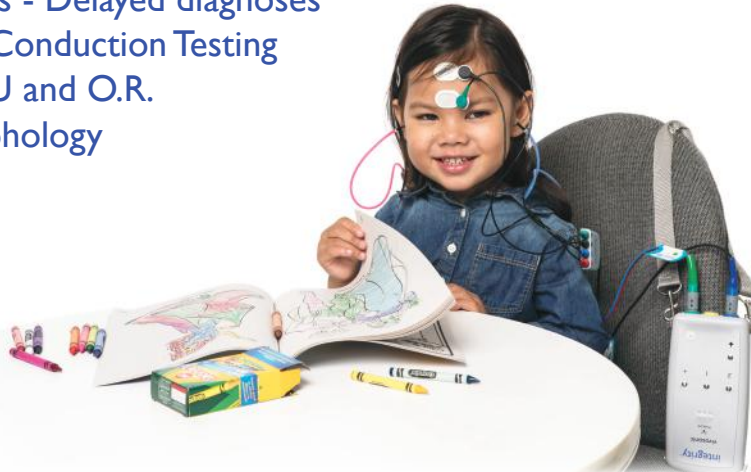
Which issues impact your clinic the most?

- Electromagnetic interference and myogenic artifacts
- Restricted patient movement and positioning
- Costs, inconvenience and risks of sedation
- Multiple appointments - Delayed diagnoses
- Difficulty with Bone Conduction Testing
- Inability to test in ICU and O.R.
- Poor waveform morphology
- Lack of portability
- Lengthy test times

integrity™ V500

Auditory Diagnostic System

Helps Solve Common Challenges



ADVANCED, WIRELESS, NOISE-REDUCTION TECHNOLOGY



- ▶ Significantly reduces myogenic and electromagnetic interference
- ▶ Enables testing in electrically “noisy” environments, e.g. ICU, O.R., MRI anteroom
- ▶ Unique, wireless technology allows child to play quietly during testing
- ▶ Clear, accurate, timely diagnostic assessments, typically in one visit
- ▶ Decreases loss to follow-up and delays in diagnosis (EHDI)
- ▶ Easier Bone Conduction Testing

AWAKE / NON-SEDATED ABR



- ▶ Fewer sedations required
- ▶ Reduces patient risk and care-giver anxiety
- ▶ Decreases re-scheduling and treatment delays
- ▶ Screens special needs populations

CLINICAL TOOLS & SUPPORT



- ▶ Simultaneous A/B waveform analysis for repeatability check
- ▶ Tone Burst norms for pediatrics; Broadband Chirp
- ▶ VivoCheck™ full system feedback check included
- ▶ Comprehensive library of instructional videos on desktop

FLEXIBLE CONFIGURATION



- ▶ Flexible configuration of different modalities, e.g. Automated ABR, ABR, ECochG, DPOAE, TEOAE, ASSR, 40-Hz ERP

With advanced noise-reduction technology and wireless convenience, Integrity™ V500 provides clear, reliable diagnostic assessments, typically in one visit, without the need for sedation.

UNIQUE ADVANTAGES OF INTEGRITY™ V500

- Based on patented Amplitrode® technology, the **VivoAmp™** provides the latest advances in amplification and prefiltering, which reduce negative contributions from EOG, ECG, EEG and RF in order to provide maximum noise reduction.
- SOAP™** Adaptive Processing, a patented noise-reducing algorithm, based on Kalman Weighted Averaging, cleans electrophysiological signals and ensures exceptional response detection.
- Unique, **VivoLink™ wireless** recording technology. provides freedom of movement and enables caregivers to comfort, hold and stroll with infants during testing.
- Time-saving, simultaneous display of two statistically independent waveforms and built-in statistical tools help to quickly evaluate **waveform repeatability** and residual noise.



INTEGRITY™ V500 Advanced Technology...Better Outcomes

Scan code to view our video:
Introduction to Vivosonic Integrity™ ABR
or contact us for a live demonstration.



IMPROVED CLINICAL EFFICIENCY

REDUCES THE
NEED FOR
SEDATION BY
66-92% ^{1,2}

REDUCES
HEALTHCARE
COSTS BY UP TO
\$5,000 USD PER
PATIENT ^{3,4}

AVERAGE
TIME FOR ABR
ASSESSMENT
REDUCED TO
1 HR. 20 MIN.
INSTEAD
OF 3 HR. ⁵

- Hall JW III, Sauter T (2010). Clinical Experience with New Technology For Recording Un-Sedated ABRs.
- Sebzda JM (2010). Pediatric ABR testing without sedation? Is it possible?
- Cone B, Norrix LW. University of Arizona. "Measuring the Advantage of Kalman-Weighted Averaging for Auditory Brainstem Response Hearing Evaluation in Infants". American Journal of Audiology, Newly Published on May 22, 2015. doi:10.1044/2015_AJA-14-0021, 2015.
- Cone B, Dean J, Norrix L, Velenovsky D (2013). Innovations in the Electrophysiologic Assessment of Infant Hearing: Cost Model.
- Walker B (2012). Clinical Significance of Advanced ABR Technology for Newborn Hearing Screening Programs.

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