

PENTAX Medical Phonatory Aerodynamic System (PAS)

*Providing key aerodynamic measures in support of an
evidence-based clinical practice*

PENTAX
MEDICAL

Assessment of key airflow
and pressure measures

Supplies estimate of
laryngeal resistance

Complements laryngeal imaging and
acoustic measures



The Phonatory Aerodynamic System (PAS) provides airflow and pressure measurements for comprehensive laryngeal function studies

Designed with input from clinicians and voice scientists, the PAS is one of several PENTAX Medical speech and voice assessment tools currently used in leading voice clinics around the world.

Designed for Clinical Efficiency

Provides functionality that enables the clinician to capture data consistently to minimize variability during application and facilitate accurate results.

- An ergonomic dual-handle design helps stabilize positioning during data acquisition
- Convenient protocols for common phonatory aerodynamic tasks including:
 - Vital Capacity
 - Air Pressure Screening
 - Comfortable Sustained Phonation
 - Voicing Efficiency (provides intraoral pressure and laryngeal resistance)
 - Running Speech analysis
- Graphical and quantitative data for reporting and monitoring of patient performance

Improves Clinical Understanding

Features measurements of aerodynamic parameters and available normative data to support the clinician's understanding of phonatory behaviors.

- Pre- and post-treatment comparisons of airflow, intraoral pressure, and vocal efficiency complement imaging and acoustic data, supporting an evidence based clinical practice
- Normative data for adults and children are available and software selectable, providing a reference for interpreting results

Pre-loaded normative data sources:

- Weinrich B, Brehm SB, Knudsen C, McBride S, Hughes M. Pediatric normative data for the KayPENTAX phonatory aerodynamic system model 6600. J Voice. 2013 Jan;27(1):46-56.
- Zraick RI, Smith-Olinde L, Shotts LL. Adult normative data for the KayPENTAX Phonatory Aerodynamic System Model 6600. J Voice. 2012 Mar;26(2):164-76.



- Assessment of key airflow and pressure measures
- Supplies estimate of laryngeal resistance
- Complements laryngeal imaging and acoustic measures
- Provides objective data for an evidence-based practice

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