

# Solutions for Ears, Nose & Throat

HOW ORPHEUS SOLVES ENT WORKFLOW

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# Efficient All-in-One Workflow for the ENT Department

The Ears, Nose and Throat (ENT) department is a high volume diagnostic and therapeutic lab. These procedures involve initial diagnosis as well as follow ups and interventions that need to be well documented and centrally managed with a strong emphasis on ease of use and workflow efficiently.

The ENT department covers a wide range of sub-specialties and conditions:

1. **Laryngology**- voice disorders, phonosurgery, swallowing disorders.
2. **Rhinology** – sinusitis, allergy, apnea and snoring, anterior skull base
3. **Otology and neurotology** – ear, hearing, balance disorders, dizziness, middle and inner ear issues, temporal bones and skull base.
4. **Head and neck oncology** – squamous cell carcinoma, oral cancer, surgical oncology, reconstruction, endocrine surgery and endoscopic surgery
5. **Pediatric otorhinolaryngology** – cleft lip and palate, velopalatine insufficiency, airway problems, vascular malformations and cochlear implants.
6. **Facial plastic and reconstructive surgery** – deviated septum, rhinoplasty (nose), face lift, cleft palate, drooping eyelids, hair loss and other ear deformities.



*Image of vocal chords taken during an endoscopic ENT procedure*

## Workflow for ENT Studies

Whether it is a stroboscope, a flexible rhinolaryngoscope or a rigid sinus endoscope, many of the ENT procedures involve recording videos and taking images for documentation.

Clinicians require a convenient way to:

1. Easily capture video and still images with hands-free controls.
2. Instant access, anywhere, to the video and images for annotations, tagging and review with patients.
3. Quickly report using a wide range of configurable structured templates.
4. Free up the scope tower and workstation for the next procedure and complete documentation anywhere and anytime.
5. Share reports, images and videos with hospital information systems and the patient.



*Otolaryngologist performing an endoscopic sinus surgical procedure*

## How Orpheus Improves ENT Documentation Workflow

The Orpheus System combines a state of the art video and image capture device that serves as the expert workflow and documentation workstation and a centralized image management solution that enables clinicians anywhere and anytime tools to complete their diagnostic reporting workflow.

### All-in-One Point of Care Workflow

The Orpheus CAST video and image capture solution combined with the Orpheus workflow software connected to the centralized Orpheus server empowers you with an all-in-one workstation for end-to-end ENT workflow.

- The Orpheus CAST is a scope vendor neutral solution that directly connects to any raw video source and displays it at high fidelity.
- The Orpheus CAST can serve as the only display monitor used during the procedure or alongside an existing display monitor.
- The Orpheus CAST is centrally connected and brings modality worklist at point of care modality for accurate and time saving patient and procedure identification.
- The Orpheus CAST provides intra-procedure documentation with customizable On Screen image tagging.
- The Orpheus CAST provides access to patient's prior images for comparison and post procedure image editing and procedure documentation.



*On screen image tagging on the Orpheus CAST saves time and ensures accurate documentation*

### Anywhere, Anytime Diagnostic Documentation

The Orpheus system provides web-enabled clinical documentation user interfaces accessible anywhere and anytime. This enables the clinician

to perform their diagnostic procedure documentation and increases room efficiency by freeing up the device for additional procedures.

With the Orpheus web-enabled user interface clinicians can:

- Review procedure images and videos
- Compare prior studies
- Create additional images
- Tag images and annotate with graphics and text on the image (report over the image)
- Create physician structured reports using templates, speech to text tools and multi-media images.
- Share images and reports with EMR, PACS and the referring physician.
- Create catalogs of cases and presentations for training, research and conferences.

### Advantages of a Centralized Approach

The advantages of a centralized clinical media management platform include:

- Instant access from anywhere, anytime both for uploading images and reviewing them.
- Standardized approach to documentation and accessibility for clinical diagnostics and reporting.
- Minimal ongoing costs to capture and store thousands of videos and images.
- Secure storage, access controls and auditing that enhance patient privacy.
- Single point of integration with enterprise systems such as electronic medical record (EMR) and PACS.