

Solutions for Gastrointestinal Lab

HOW ORPHEUS SOLVES GI WORKFLOW

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Efficient All-in-One Workflow for the GI Lab

The GI department is both a diagnostic and therapeutic lab. These procedures need to be well documented and centrally managed with a strong emphasis on ease of use and workflow efficiently. There are several types of procedures:

1. **Colonoscopy** – endoscopic examination of the large intestine providing visual diagnosis (ulceration, polyps) and an opportunity to take biopsies or removal of suspected colorectal cancer
2. **Sigmoidoscopy** – similar to Colonoscopy but uses a shorter scope and allows examination of the distal portion of the colon.
3. **ERCP (Endoscopic Retrograde Cholangiopancreatography)** – used in conjunction with fluoroscopy imaging to diagnose and treat problems in the biliary or pancreatic ductal systems.
4. **EGD (Esophagogastroduodenoscopy)** – endoscopic procedure that visualizes the upper part of the gastrointestinal tract up to the duodenum.
5. **EUS (Endoscopic Ultrasound)** – used in the upper digestive tract to screen for pancreatic cancer, esophageal cancer and gastric cancer. This can be combined with ERCP with the ultrasound as the imaging modality used to navigate to the bile duct.

Workflow in the GI Lab

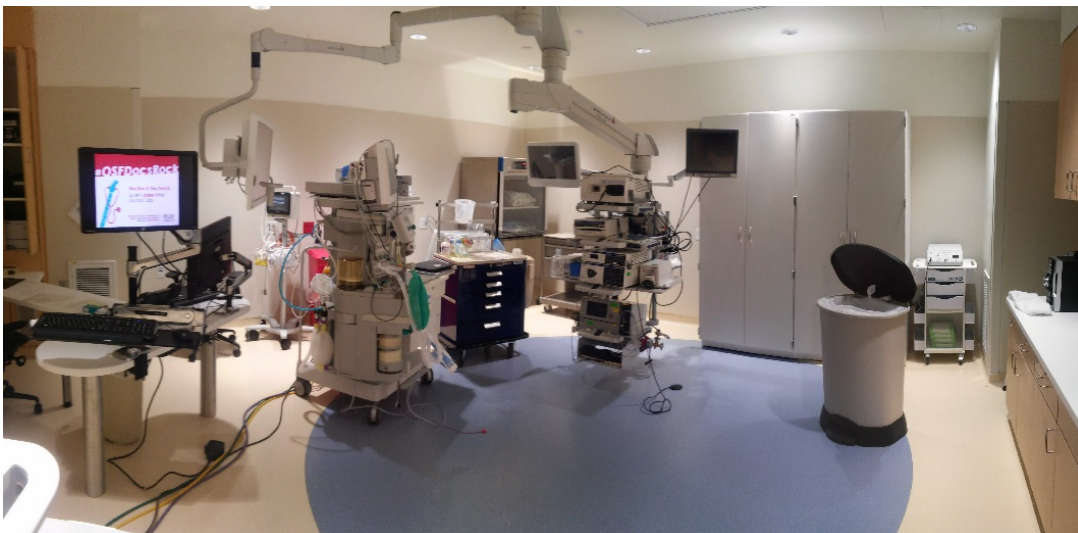
Whether it is a colonoscopy or EGD, the GI procedures involve recording videos and taking images for documentation. Also, several modalities may be used such as US or Fluoroscopy for image guidance of the tools.

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 that meet quality measures requirements.
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.

How Orpheus Improves GI Lab 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



Orpheus CAST installed on colonoscopy tower proves a superior workflow

management solution that provides tools for clinicians anywhere and anytime 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 GI 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.

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 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.



Physician performing a colonoscopy

Advantages of a Centralized Approach

The advantages of a centralized clinical media management platform include:

- Instant access from anywhere, anytime for uploading images and reviewing them.
- Standardized 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.

**Accurate
Documentation**

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**Focus Quality
Patient Care**

*Dr. Mezuman is a 30+ year experienced gastroenterologist. He is methodical and organized in how he plans and performs his GI studies. He takes the time to explain the patient the procedure but more importantly he takes the time to **properly document** his work.*

*An accurate and structured report **reflects on how his work is viewed by others**. It answers all questions regarding quality of care, the diagnosis and next steps in managing the patient's long term health.*

This also helped him during a malpractice suit when the expert could not find any flaw in his work as diligently documented with the video and images available for immediate retrieval from the Orpheus System.