CLOUDENDO: REVOLUTIONIZING ENDOSCOPIC WORKFLOW WITH AN ALL-IN-ONE, BROWSER-BASED IMAGING PLATFORM

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Objective of the Technology: CloudEndo is designed to transform the clinical workflow in endoscopic and medical imaging environments by offering an all-in-one, browser-based capture and management platform. It aims to streamline image and data handling, simplify storage, and improve accessibility without requiring dedicated hardware or extensive software installations.

Description of the Technology and Method of its Use or Application: CloudEndo is a browser-based endoscopic workflow solution that enables real-time capture, storage, and management of endoscopic images and videos directly in the web browser. The platform leverages secure cloud infrastructure to maintain data integrity and accessibility. By removing the need for local storage or client-installed applications, CloudEndo allows healthcare providers to streamline their workflows, centralizing data capture and management into a single, accessible platform. This is especially useful in settings where rapid, consistent access to images is essential, and where traditional workflows involving dedicated hardware and local storage can create bottlenecks.

Preliminary Results: Initial deployments of CloudEndo have demonstrated significant improvements in workflow efficiency. Clinical teams report a reduction in image capture and processing time, with real-time data available for immediate review and streamlined access to historical records. The reduction in hardware requirements has also led to cost savings and increased accessibility across multiple sites, allowing practitioners to provide faster and more coordinated patient care.

Conclusions / Future Directions: CloudEndo offers a novel approach to clinical workflow management, leveraging the accessibility and flexibility of browser-based technology. Future developments will focus on enhancing data integration with other medical imaging and record-keeping platforms to further streamline clinical workflows. Planned features include improved analytics for patient case trends, and expanded multi-user functionality, enabling collaborative review and annotation capabilities directly within the platform. As adoption grows, CloudEndo aims to establish itself as an essential tool for modern clinical environments seeking to optimize workflow efficiency and data accessibility.