Fluoroscopy and Procedural Time during ERCP

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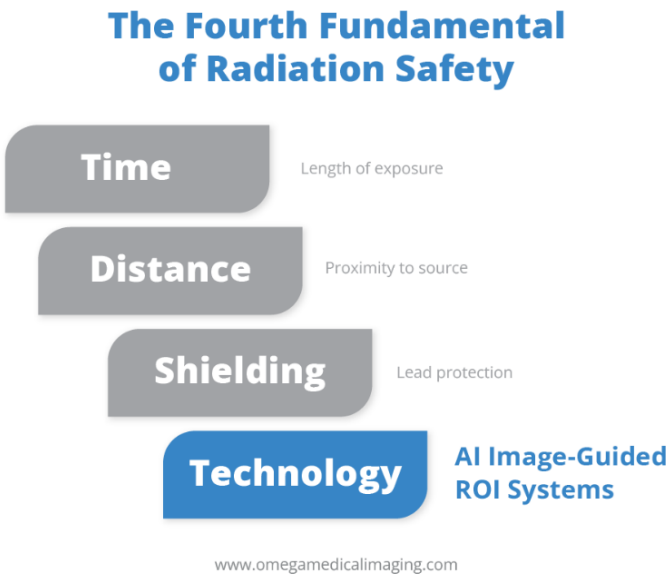
OMEGA Medical Imaging

In a recent paper presented to GIE, Mark M. Aloysius, MD, Ph.D. et al., explored the impact of training on the total procedural and fluoroscopy time during ERCP. If training does increase time, this would raise safety concerns with additional fluoroscopy use and, therefore, a greater risk of radiation exposure.

The doctors found that though training did result in significantly longer endoscope and total procedural times, training had no effect on the fluoroscopy time. As the doctors concluded, their findings might alleviate the concern of increased fluoroscopy time during ERCP training.

But what more can be done to reduce the risk of radiation exposure inherent in ERCP – with or without training?

The technology that provides a physician their "eyes" during an ERCP – the fluoroscopy – presents a risk of radiation exposure to the doctor, their staff, and their patient. The risks of radiation exposure are well documented. However, just as technology can improve procedures and the medical systems that are used to perform them, technology can help to reduce the risk that radiation exposure represents.



In a recent paper presented to the American Society for Gastrointestinal Endoscopy (ASGE), Karl Kwok, MD, FASGE, Nazia Hasan, MD, MPH, et al. examined the issue of radiation and fluoroscopy safety in gastrointestinal (GI) endoscopy. The doctors directly noted that new technology using artificial intelligence (AI) can further reduce exposure to the patient and staff.

A study presented to the American Journal of Gastroenterology (AJG) showed radiation exposure was significantly lower (59.4%) using an AI system when compared to a non-AI system. The doctors saw this as an important development in the field of GI endoscopy and radiation safety.

Omega has taken the idea of radiation safety to a new level with the introduction of FluoroShield™. This advanced AI-enabled technology creates a new modality in interventional imaging. Radiation reduction is achieved without changing existing workflow or adding additional devices – and it does so without sacrificing image quality.

The endoscopic fluoroscopy systems designed and built by Omega provide an automatic, hands-free solution to radiation reduction – delivering the benefit of consistent and repeatable radiation reduction to patients and staff beyond anything else in use today. Omega systems are also specifically designed with features exclusively developed for ERCP and image-guided endoscopic GI procedures.

Omega is the only fluoro system manufacturer with this technology built into their systems. Omega has created a new modality, a new standard of care that obsoletes non-AI/ROI systems that cannot match Omega's proven results in radiation reduction and safety.

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