



Advancing Extremity Imaging Through Innovation and Service

Why the Fluoroscan[®] InSight[®] FD Mini C-arm system is the right choice when it comes to imaging extremities during orthopedic surgery

As an experienced orthopedic surgeon, Dr. Shin understands how essential fluoroscopic imaging is to ensure surgical efficacy and patient satisfaction for upper extremity cases. Prioritizing aspects such as superb imaging, low radiation and ease of use, he utilizes Hologic's Fluoroscan[®] InSight[®] FD mini C-arm system and relies on Hologic for support and success.



Alexander Y. Shin, MD
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The Importance of "Mini"

Modern day orthopedic practices rely on mini C-arm systems for a variety of cases and situations, especially those requiring maneuverability and real-time results. The systems generate fluoroscopic intraoperative images, providing clinicians with immediate feedback and allowing them to course correct during procedures. While early imaging systems were large and cumbersome to use, today's mini C-arm technology can make clinicians more effective and efficient.

"I prefer mini C-arms because they are small, compact and use a low radiation dose," said Dr. Shin. "My requirements for any type of C-arm are that it needs to be fast and efficient, and also allow me to document images and cases. The Hologic system does just that and is excellent for orthopedic extremity imaging. It is surgeon controlled, allowing for accuracy and agility."

"The other thing that's really important to me is the storage capacity, transport options and maneuverability of the Hologic mini C-arm system. It can be moved as well as brought in and out of the operative field very easily, no matter who is handling the device."

At the Mayo Clinic, Dr. Shin works with the Hologic Fluoroscan[®] InSight[®] FD mini C-arm system on a regular basis. The system has a solid state hard drive that can store up to 10,000 images or 500 per case.¹ Additionally, it is 60 percent faster when normalizing to reach the appropriate technique factors, when compared to OrthoScan FD Pulse.²

Ease of Use

During orthopedic procedures, clinicians encounter a number of different factors they must navigate. In this environment, the mini C-arm is meant to assist the clinician and help ensure proper patient care, rather than add another challenge or distraction to the process.

“The Hologic mini C-arm system is easy to use, giving me consistent images that are live, accurate and controlled by me, as the surgeon.”

"One thing that is really important to me is ease of use. The Hologic C-arm system is easy to use, giving me consistent images that are live, accurate and controlled by me, as the surgeon. It also has a touch screen with an intelligent and integrated design, enabling any room personnel to use it."

In addition to the 24" HD touchscreen, the Hologic Fluoroscan[®] InSight[®] FD mini C-arm system provides orbital, panning, horizontal and vertical travel capabilities.¹

A Mini C-arm for All Cases

Mini C-arm systems are designed to provide value for a wide range of procedural settings due to their flexibility and ergonomic design.

“I use the mini C-arm for almost every case that requires intraoperative radiographs,” said Dr. Shin. “In my practice, my indications for the system include the emergency room, reduction evaluation and clinic use, as well as intraoperatively to verify placement of hardware or reduction adequacy.”

Whether it be a scaphoid or distal radius fracture, or any other type of elective hardware placement, the Hologic Fluoroscanner[®] InSight[®] FD mini C-arm system is a primary part of Dr. Shin’s operating room.

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“The mini C-arm can easily be pulled in and out of the surgical field when needed, or even placed underneath the table so it is ready to go whenever I want an image. The maneuverability and size of the system allows for these placement options and flexibility.”

In his practice, Dr. Shin focuses primarily on the upper extremities, using his mini C-arm system to perform reductions and achieve stabilization. However, he’s seen the system utilized for other cases as well.

“As a hand surgeon, I don’t typically work with the lower extremities. However, I have colleagues who do use the mini C-arm system for their surgeries in these areas as well.”

Innovation with Impact

While most mini C-arm systems provide aspects such as flexibility and compact size, the Hologic Fluoroscanner[®] InSight[®] FD mini C-arm system offers clinicians a number of innovative features that can make a real difference for healthcare professionals and patients.

“The Hologic system has a number of different imaging modes, all with an excellent interface,” said Dr. Shin. “It gives you an excellent report in terms of factors such as how the machine is being used, what your total radiation exposure is, and how many images were viewed and saved.”

Most importantly, Dr. Shin values the system for its high-quality imaging and low radiation usage.

“The image quality is excellent and the system provides effective noise suppression, especially if there’s movement while imaging. In my opinion, the Hologic system has the largest primary image and highest resolution in a mini C-arm. Additionally, it uses less radiation compared to its competitors, allowing for a lower dose to the patient and less scatter radiation to OR staff.”

The Fluoroscanner[®] InSight[®] FD has the highest resolution image in the industry.²

Why Hologic

In today’s healthcare landscape, clinicians rely on the technology at their disposal to ensure surgical effectiveness and patient wellbeing. Mini C-arms have evolved over recent years, bringing high-quality

imaging and time-saving features to orthopedic practices. Utilizing the Hologic Fluoroscanner[®] InSight[®] FD mini C-arm system, Dr. Shin feels confident in his work and satisfied with the patient care he provides.



“I use the Hologic mini C-arm system to facilitate upper extremity surgery by making procedures go faster and by giving me a clear indication of what I’m doing,” said Dr. Shin. “It improves my efficiency and care of fractures, and it is safe for me and my team. But most importantly, it improves my patient care.”

In addition to the technological benefits that the system provides, Dr. Shin also values the support offered by the company itself.

“Because of the great team that Hologic has put together, the Company is truly the leader in extremity imaging. They have an excellent support staff and have been able to help me, my patients, as well as our fellows and residents be more efficient in the operating room and clinics.”

¹ InSight FD Data Sheet DS09521-Rev 002

² Claims Matrix MISC-05157 Rev 002