

## Precision Podiatry: How Imaging Is Transforming Podiatry in the Clinic

By Mike Orthner, PhD

The Singh Foot and Ankle Healing Center’s goal is simple, to incorporate the latest research-based regenerative therapies and minimally-invasive foot and ankle surgeries to give patients a significantly higher quality of life—all in a boutique setting providing a high-end experience. The 1200 square-foot center located in Sterling, Virginia is a concierge practice where all patient diagnosis and treatment is performed in-house.

Performing Minimally Invasive Foot and Ankle Surgery (MIFAS) local anesthesia is used and often requires the use of dynamic imaging to provide image guidance and real-time surgeon feedback. For surgical imaging, the center is using the Turner Imaging Systems, Smart-C®.

*“The Smart-C® allows me to image, diagnose, and treat on the spot with unparalleled portability, image quality, and efficiency.”—Dr. Diltaj Singh*

The portability of Smart-C® enables point-of-care imaging that enhances the patient-physician relationship, facilitating informed decision-making. When podiatrists can display and explain real-time specifics about the patient’s pathology, it fosters a stronger doctor-patient relationship and empowers patients to better understand their conditions and treatment options. Treatment planning is a cornerstone of podiatric care and empowers podiatrists to plan interventions with a higher degree of accuracy. Whether it’s guiding injections, setting fractures, or preparing for minor surgical procedures, real-time fluoroscopic imaging helps podiatrists visualize the affected area, resulting in improved treatment outcomes and patient satisfaction.

The versatility of the Smart-C® is a significant advantage ranging from diagnosing fractures and dislocations to guiding injections and evaluating joint mobility using stress views. The applications are broad and cover a wide range of podiatric conditions.

The shift towards minimally invasive procedures is a defining trend in modern healthcare. The capabilities of the Smart-C® system align seamlessly with this approach, enabling Dr. Singh to perform a variety of minimally invasive interventions, including bunions and hammertoes, injections, foreign body removal, heel spurs, arthritic joints, and minor foot deformities. The dynamic imaging offered by fluoroscopy ensures precise needle placement and optimal

surgical outcomes while minimizing patient discomfort and recovery time.

Running any private practice involves financial considerations, and patient efficiency and revenue are crucial to operations. The Smart-C® has shown to have contributed significantly to streamlined workflows allowing patients to be imaged and treated in the exam rooms or even remotely in patient’s homes. Having a combined portable on-site diagnostic and surgical imaging solution eliminates the need to refer patients to external facilities for X-rays, reduces wait times, and accelerates the diagnostic and treatment process. This not only enhances patient satisfaction but is also a cost-effective investment in the long run. By eliminating the need to outsource imaging and treatment services, podiatrists can save on referral costs and generate additional revenue through reimbursement for diagnostic imaging and newly added procedures.

In today’s competitive healthcare landscape, providing advanced services sets podiatrists apart. Offering in-house fluoroscopy and surgical services gives private practice podiatrists a competitive edge by showcasing their commitment to cutting-edge technology and comprehensive patient care.

In conclusion, Smart-C® has ushered in a new era of diagnostic precision and patient-centered care for podiatrists in private offices and clinics. The advantages are manifold, ranging from enhanced diagnostics, planning and treatment to cost-effectiveness and versatility. As podiatrists continue to strive for excellence in their practice, embracing Smart-C® can undoubtedly contribute to elevated standards of patient care and practice success.

Contact Turner Imaging Systems for more information on the revolutionary Smart-C® Mini C-arm or click here.

[www.Turnerxray.com](http://www.Turnerxray.com) • [info@turnerxray.com](mailto:info@turnerxray.com)

