EOS edge

Imaging With
a VISION

Introducing EOSedge™

Innovative low dose, high-quality imaging platform powered by photon-counting technology

EOSedge delivers exceptional 2D/3D frontal and lateral full body, weight-bearing images using a low dose of radiation.

Designed to enable a higher standard of patient-centered diagnosis and treatment in musculoskeletal image-based solutions, EOSedge brings patients and providers one step closer to connecting imaging to care.

Reduced radiation exposure[1]

With new Flex Dose™ technology, EOSedge can deliver up to an 80% overall radiation reduction compared to same acquisition without Flex Dose.

- Micro Dose technology imparts just a week's worth of natural radiation during follow-up exams[3]
- Driven by the ALARA* principle, Flex Dose technology uses body morphology to modulate radiation during scans and deliver minimal exposure to patients

Powered by a high-resolution photon-counting detector

Up to
80%
dose cut with Flex Dose ON[2]

1:1
functional 2D/3D full body images

Unique high-resolution images support diagnostic capabilities

Exceptional clinical value

EOSedge is a general X-ray system powered by a high-resolution photon-counting detector, which provides optimal image quality for a broad range of patients.

- Capture 1:1 functional 2D/3D images in under 20 seconds—with no stitching—that support well-informed diagnoses and 3D surgical planning
- Generate precise 2D/3D measurements and patient-specific 3D models with simultaneous stereoradiographic acquisition
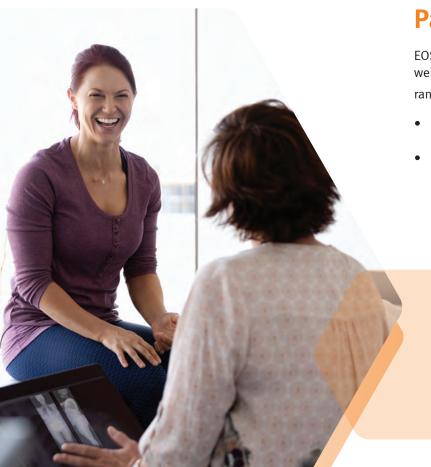
*As Low As Reasonably Achievable

Facility-wide efficiency

With the power to scan up to 150 patients a day[4] and deliver complex exams in less than 4 minutes, EOSedge has the potential to increase patient throughput and improve facility efficiency.

- Simultaneously capture frontal and lateral full body images in under 20 seconds for average adults and 15 seconds for children
- Accommodate a broad range of patients with EOSedge's large image acquisition zone

Attain frontal & lateral full spine images in under

8 seconds

Scan up to

150

patients a day[4]

Patient-centered experience

EOSedge's open cabin design makes capturing full body weight-bearing images fast, easy and safe for a broad range of patients.

- Motorized platform and accessible design enable easy patient entry and positioning
- Flex Dose modulating technology uses a radiation dose that is ALARA across patient morphology

See more, know more
EOS-EDGE.COM

Advanced Orthopedic Solutions

For a more confident orthopedic 3D surgical planning

With EOS 3DServices, EOSedge images can be translated into 3D spine and lower limb models, as well as automatically generated patient reports that provide valuable information to analyze patient abnormalities over the entire care pathway.

With EOSapps, our secure, web-based 3D surgical planning software, surgeons can use the combination of EOS images and 3D models to select and optimally position implants for spine, hip and knee surgeries, and seamlessly transition from planning to execution.

spineEOS

- Gain immediate understanding of 3D frontal and sagittal alignment and axial rotations
- Identify surgical target(s) with real-time automatic feedback
- Optimize surgical strategy by anticipating post-operative parameters
- Export patient specific report and associated rod templates in 2D or 3D format

hipEOS

- Evaluate patient's spino-pelvic mobility bewteen standing and seated positions
- Determine size, orientation and position of implants in 3D
- Optimize THA surgical strategy with leg length restoration, femoral offset and femoral torsion angle simulation
- Simulate 3D range of motion to optimize the choice and orientation of implants and minimize the risk of impingement

kneeEOS

- Assess patient's anatomical and mechanical knee alignment in 3D
- Visualize images of patient's knee alignment in 3D to remove conventional 2D bias
- Determine size and orientation of implants based on weight-bearing EOS images without complex radiological calibration protocols
- Optimize knee alignment and rotations in a functional position in 3D and in real-time

EOSlink™

Bringing 3D surgical planning into the operating room

Enabling the seamless integration of EOSapps pre-operative surgical planning software with intra-operative surgical solutions, such as navigation devices, robotics-based systems and custom spinal rod benders, EOSlink delivers the EOSapps patient-specific plan directly into the operating room for execution.

Innovative imaging systems. Multiple orthopedic applications.

EOS Images, 3DServices, EOSapps and EOSlink

As a healthcare provider, you are focused on improving patient outcomes. At EOS imaging, we help you obtain that goal.

Our EOS imaging platforms—EOSedge and EOS®—deliver unique and specific capabilities that are used in conjunction with our Advanced Orthopedic Solutions to generate highly accurate 3D representations of patient anatomy and enable a seamless surgical planning experience.

EOS imaging is committed to driving a more confident diagnosis and treatment plan—providing you with the fuller picture.

EOS

EOSedge

CONNECTING IMAGING TO CARE

EOS imaging was founded to champion a new standard of patient-specific care in musculoskeletal imaging and orthopedic care.

By pioneering low-dose 2D/3D full body, weight-bearing imaging, rapid 3D modeling, 3D surgical planning capabilities and surgical plan integration into the OR, EOS imaging is focused on improving patient outcomes and furthering our mission of connecting imaging to care.

EOS imaging

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Please read carefully the labeling provided with the devices.

Caution: US Federal law restricts these devices to sale by or on the order of a physician.

EOSedge is manufactured by EOS imaging.

EOSapps comprises hipEOS, spineEOS, kneeEOS and is manufactured by oneFIT Medical.

EOS 3DServices uses the FDA cleared sterEOS Workstation and does not provide diagnostic or treatment recommendations. The 3D information proposed by EOS 3DServices is limited to the intended use of the sterEOS Workstation.

sterEOS Workstation is manufactured by EOS imaging.

The sterEOS Workstation is intended for use in the fields of musculoskeletal radiology and orthopedics in both pediatric and adult populations as a general device for acceptance, transfer, display, storage, and digital processing of 2D X-ray images of the musculoskeletal system including interactive 2D measurement tools. When using 2D X-ray images obtained with the EOS imaging EOS or EOSedge Systems, the sterEOS Workstation provides interactive 3D measurement tools.

1. EOSedge with Flex Dose technology delivers a 33% overall reduction in dose compared to the previous EOS system while providing the same high-quality imaging for patients with a BMI of less than 25. Data on file.
2. 80% overall radiation reduction compared to same acquisition without Flex Dose for those patients with a BMI of less than 25. Data on file.
3. Data on file.
4. For standard patients. Data on file.