EOS

PRODUCT GUIDE

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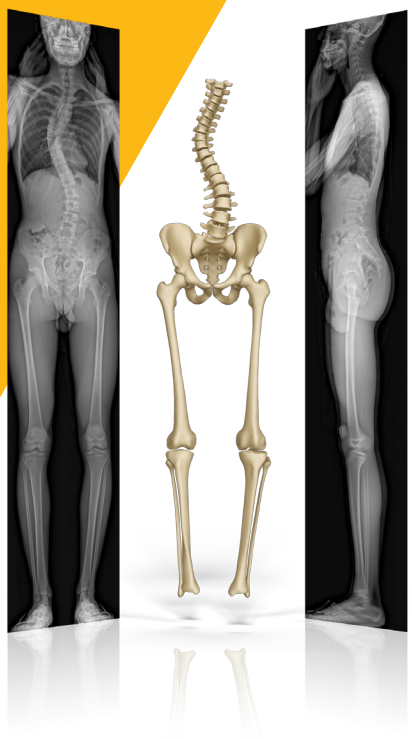
What is EOS?

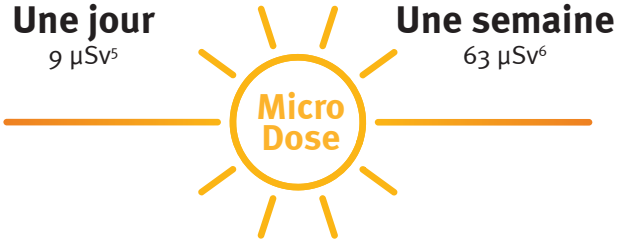
EOS® is a dedicated modality that specifically addresses the unique needs of the orthopedic industry. The EOS system simultaneously captures full-body, frontal and lateral images. The X-rays are weight-bearing, giving radiologists and surgeons a global assessment of their patient in a functional position.

Low dose EOS exams provide accurate 2D images and valuable anatomical 3D information throughout the patient care pathway. The Micro Dose option further reduces radiation exposure without compromising the ability to generate 3D models. Using Micro Dose for follow-up, pediatric exams is another important step towards the ALARA principle (As Low As Reasonably Achievable) and is particularly important for patients with conditions that require frequent scans over the course of their treatment.



Dose reduction

- Radiation dose reduced by 50% compared to a DR system[1], 85% compared to a CR system[2]
- Substitution of specific CT exams with an EOS exam to reduce the patient's radiation dose by 95%[3]
- Micro Dose protocol for a full spine exam (frontal and lateral) at a dose that's equivalent to only a week's worth of natural radiation[4]



Only a week's worth of natural radiation for each child's AP + LAT spine exam

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

Precise 2D/3D measurements

Other clinical outcomes

- Comprehend compensation mechanisms between the spine, hips and knees thanks to full body, weight bearing images
- Calculate precise 2D and 3D measurements, free from magnification and stitching bias
- Improve diagnostic capabilities thanks to high image quality with over 65,000 grey levels and excellent contrast

*As Low As Reasonably Achievable

Facility-wide efficiency

- Capture frontal and lateral, full-body images in less than 20 seconds for adults and 15 seconds for children
- Complete an exam in under 4 minutes, even for complex spine or full body1

Full body acquisition in less than 20 seconds for an adult

Complete exam in less than 4 min

From 2D to 3D

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.

- Improve diagnosis and clinical research capabilities with over 100+ automatically calculated, accurate 2D and 3D measurements that are free from bias and taken in a functional position
- Simple, straightforward 3D workflows dedicated to postural assessment, spine, lower limbs and Total Hip Arthroplasty
- Direct link to the online EOS 3DServices and to the EOSapps, 3D surgical planning solutions*

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 ans 3D surgical planning capabilities, EOS imaging is focused on improving patient outcomes and furthering our mission of connecting imaging to care.

Please read carefully the labeling provided with the device.
Caution: US Federal law restricts this device to sale by or on the order of a physician.
*Check with your local EOS imaging representative for availability in your region.
EOS system: Digital diagnostic X-ray system.
Manufacturer: EOS imaging. EC conformity assessment: GMED CE0459, Class IIb.
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.
EOSapps comprises hipEOS, spineEOS: Orthopaedic implantation planning softwares.
Manufacturer: oneFIT Medical. EC conformity assessment: GMED CE0459, Class Im.

1. *Comparison of radiation dose, workflow, patient comfort and financial break-even of standard digital radiography and a novel biplanar low-dose X-ray system for upright full-length lower limb and whole spine radiography. Dietrich TJ et al. Skeletal Radiol. 2013.*
2. *Diagnostic imaging of spinal deformities: reducing patients radiation dose with a new slot-scanning X-ray imager. Deschenes S et al. Spine (Phila Pa 1976)2010 Apr.*
3. *Ionizing radiation doses during lower limb torsion and anteversion measurements by stereoradiography and computed tomography. Delin C et al. Eur J Radiol. 2014*
4. *EOS microdose protocol for the radiological follow-up of adolescent idiopathic scoliosis. Ilharreborde B. et al. Eur Spine J. 2015*

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CONNECTING IMAGING TO CARE

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