EOS Micro Dose

Only a week’s worth of natural radiation for each spinal exam
Innovative solutions for public health concerns

Every day, people are exposed to low levels of naturally occurring background radiation from their surroundings. Unfortunately, the levels of radiation exposure from artificial sources, such as medical imaging, has increased over the last two decades. This means that the average person’s exposure and risks are also increasing.

Children are particularly susceptible to the adverse effects from medical radiation. Patients who require multiple diagnostic radiographic examinations during their childhood and adolescence may have an increased risk of radiation-induced cancers later in life.

EOS imaging addresses this growing concern through a unique, low dose imaging modality called EOS®. With a standard low dose EOS exam, the radiation dose is already reduced by 50% to 85% compared to Digital Radiography without compromising image quality.

With our Micro Dose feature, patient exposure is even further minimized in accordance with ALARA principle (As Low As Reasonably Achievable).

REFERENCES
Innovative solutions for public health concerns

A new step towards the ALARA principle

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

The Micro Dose feature can be used to monitor spine and lower limb disease progression in pediatric patients, particularly for pathologies which require frequent monitoring such as scoliosis.

When using the Micro Dose option for an exam, you can model your patient’s spine and lower limbs in 3D either with your sterEOS® workstation or with our convenient 3DServices.

With Micro Dose, the resulting radiation exposure was 5.5 times less than with a typical EOS exam protocol, corresponding to a 45-fold dose reduction compared to conventional radiographs, and could almost be considered negligible.

Brice Ilharreborde, MD, PhD,
Department of Pediatric Orthopedic Surgery, Robert Debré Hospital, Paris, France

www.EOS3DServices.com

Why choose EOS?

Full-body, weight-bearing exams

Low dose & Micro Dose imaging

Fast exam time

3D models & clinical parameters

Online 3D surgical planning solutions

High image quality

About EOS imaging

EOS imaging is a med-tech company based in Paris, France that designs, develops and markets EOS, an innovative medical imaging system dedicated to orthopaedics and osteoarticular pathologies. A low dose or Micro Dose EOS exam provides full body, stereo-radiographic images in weight-bearing positions. The frontal and lateral images are acquired simultaneously in less than 20 seconds without magnification.

The accompanying sterEOS workstation enables you to create patient-specific 3D models, calculate over 100 clinical parameters automatically and generate customizable patient reports. EOS imaging also offers online 3DServices* and EOSapps*, cloud-based, 3D surgical planning software solutions. The EOS platform adds value throughout the patient care pathway and truly connects imaging to care.

Please read carefully the labeling provided with these devices.
For USA - Caution: 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.