

lodox®

UNCOVER FORENSIC RADIOLOGY

 **lodox**®
saving lives through innovative solutions

Introducing

exero-dr
rapidly evident



**First and only, full-body, high-speed digital radiology solution
premeditated for forensic pathology**

Forensic Pathologists at Lodox's core

The work of a forensic pathologist resonates deeply at Lodox. Our purpose is to "save lives through innovative solutions". Through our extensive experience and customer focus, we have observed that the art of medico-legal death investigations lies in creative thinking and innovative methods that must be applied in order to seek answers... **answers that will ultimately be used to save lives proactively.**

It was through this common core understanding that Lodox embarked on a collaborative effort that ultimately provided us the opportunity to interpret and exclusively satisfy the needs of forensic pathologists around the world.

Originally conceived for emergency medicine, previous embodiments of the Lodox technology were adopted by forensic pathologists because of certain inherent advantages.

The time has come to uncover a solution that incorporates all of the existing Lodox advantages, but is **specifically moulded to forensic pathology requirements, and complements and integrates more naturally into a forensic facility and the daily needs of pathology staff.**

Forensic Pathology-driven innovation

eXero-dr is the product of over **5 years of dedicated forensic partnerships** in medico-legal death investigation facilities. The user-driven innovations focus specifically on **solving the daily challenges of users and aim to positively affect workflow and user-friendliness**, while maintaining the tried-and-tested Lodox reliability.

These innovations include:

- **Forensic-orientated user interface**
- **Forensic-specific X-ray procedures** to accommodate and optimally visualise:
 - upper-body high-resolution AP,
 - soft tissue/organs,
 - small bone fragments/anthropology,
 - infant size selection (0 - 10kgs/0-22lbs)
- **Comprehensive waterproofing and drainage** - to prevent accumulation of fluids and particles
- **A forensic-driven design** to inspire and provide a positive, elegant point of referral within the daily routine of all forensic staff. It also facilitates cleaning and disinfection
- **Automated gurney system** to allow better positioning and imaging of bodies



Confidence / Peace of mind

The eXero-dr full-body images present a **comprehensive clinical picture, reducing guesswork, offering peace of mind, and better guiding cause-of-death determination.**

The full-body image replaces a number of smaller views, making it **easier to locate and identify injuries, foreign bodies and identifying features.**

A pathologist's clinical judgement and forensic acumen is supplemented, making the eXero-dr system an invaluable resource.

Improved workflow and throughput

Throughput in a facility is increased by the full-body image by reducing the time required for full body examination.¹² Use of the Lodox **reduces the total time required for full body coverage by approximately 87%** (translating to 7 Lodox full-body examinations vs. 1 on conventional radiography).³

Facility workflow is further improved by the eXero-dr full-body images by **targeting or, in certain cases, obviating the need for an autopsy.**

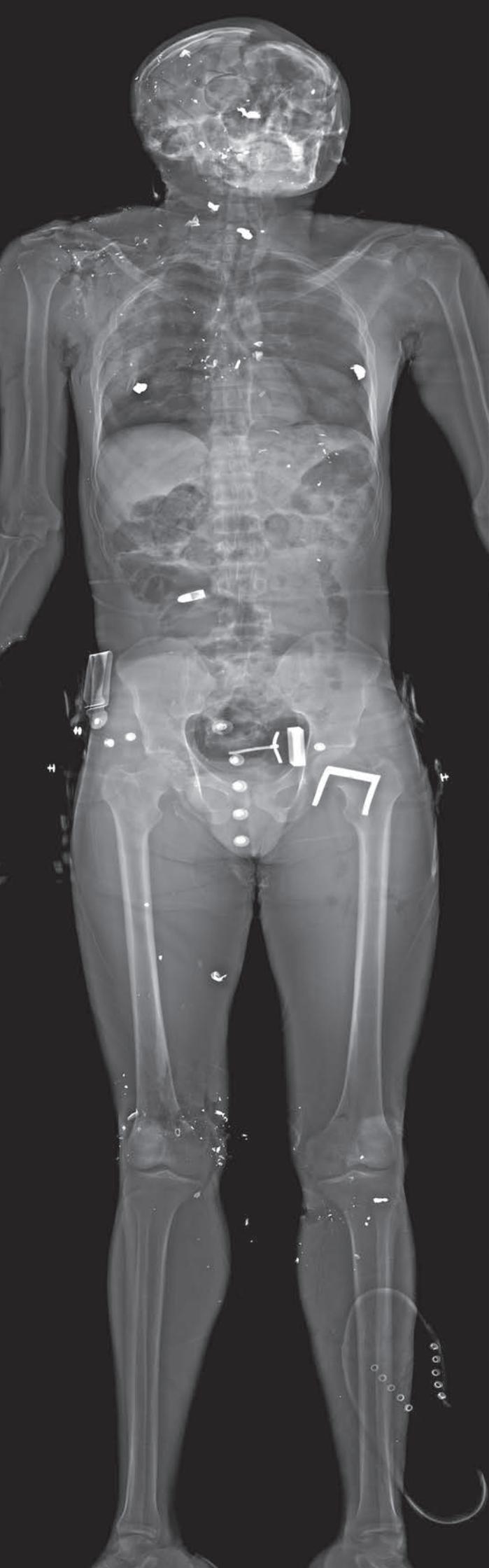
This makes eXero-dr especially useful in **mass casualty situations.**

User-friendly

Dramatically reduced X-ray scatter makes Lodox technology **safer for operation and surrounding pathology staff.**^{4,1}

Straightforward operation makes Lodox easy for staff to use¹, with minimal specialized training or effort required.

Flexible scan size and automated rotation of the scanning arm means **less onerous manipulation of bodies for staff.**



rapidly evident

exero / latin

***v. to reveal; uncover
lay bare (body)***

The eXero-dr assists the forensic pathologist in autopsy examinations by reducing the time taken to examine a body.¹

Rapid localisation of foreign bodies (such as bullets) in multiple views can be beneficial in criminal examinations.²

Fast, high quality imaging of all bodies admitted for autopsy may be especially useful in the case of religious groups that require expedited burial¹ and in mass fatality situations.

The full-body, low-radiation format makes Lodox imaging safer and easier for staff¹, and could improve the workflow in busy forensic pathology laboratories.²

Lodox has proven to be invaluable in Forensic Medicine.¹



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