Xmplar-dr

miss nothing. faster.



A SHIFT IN DIGITAL RADIOLOGY

Full-body, high-speed digital radiology with low radiation emission and scatter.

The Lodox plays a significant role in the initial management of trauma patients and is an important advance in the trauma imaging repertoire.[1] The remarkable detection rate for injuries, low radiation dose and speed at which the whole body can be evaluated are advantages in the primary survey of acute trauma patients.[2] Lodox provides time-saving, low dose investigation for emergency units with minimal interference in initial resuscitation.[3]

MEDICAL APPLICATIONS:

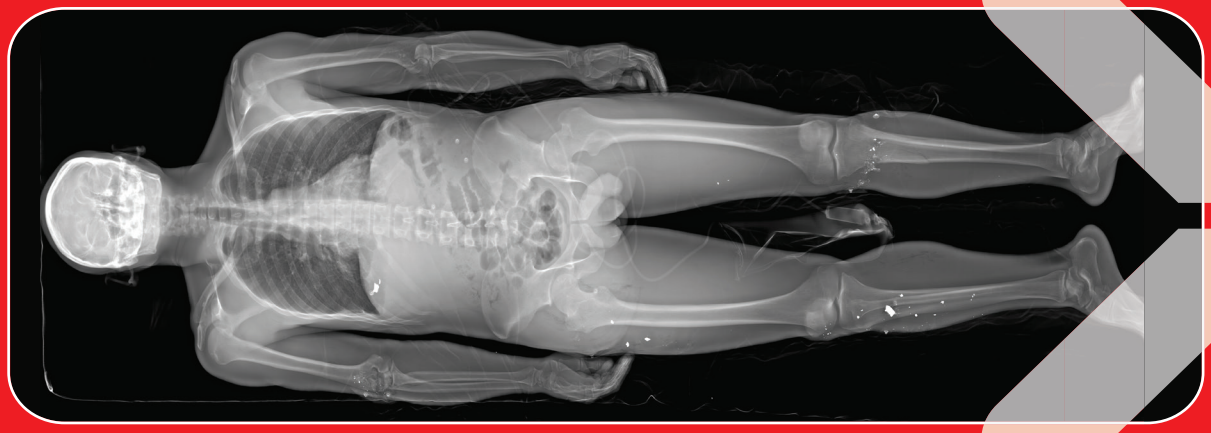
- Poly-trauma
- Gunshot wounds
- Foreign body ingestion
- Skeletal survey
- Urinary stones
- Mass disasters
- Ventriculorperitoneal shunts
- Paediatric imaging
- Bariatric imaging
- Trauma in military medicine

lodox®

saving lives through innovative solutions

FULL BODY

Lodox provides a single (non-stitched), high-resolution radiographic image of the entire body. Lodox visualises skeletal, chest and pelvic pathologies 'all-in-one', and more accurately than conventional X-ray, in the primary trauma survey.[3] Full-body imaging allows a better understanding of the patient's entire injury pattern.[4]



HIGH SPEED

A full-body trauma imaging study in two planes can be performed on the Lodox X-ray machine in 3-6 minutes.[5] Rapid acquisition of radiographic detail is particularly important in ATLS resuscitation, where time predicts outcomes.[1]

LOW RADIATION

Radiation emission and scatter are significantly lower than for conventional X-ray equipment. Together, these features improve safety for staff, significantly reduce radiation dose to patients, and allow uninterrupted resuscitation during imaging.[6] Significantly lower radiation dose and high diagnostic image quality make Lodox a first-choice for paediatric poly-trauma.

IMAGE QUALITY

Lodox high-definition, high-contrast images have been found to be better than or equal to conventional X-ray images for the detection of thoracic, pulmonary, mediastinal, pelvic and peripheral injuries.[4] The unique, focused fan-beam of the linear slot-scanning technology improves image quality by reducing patient scatter image degradation, especially in larger patients.

REFERENCES

1. Boffard KD, Goosen J, Plani F, Degiannis E, Potgieter H. The use of low dosage X-ray (Lodox/Statscan) in major trauma: comparison between low dose X-ray and conventional X-ray techniques. J Trauma 2006;60(6):1175-1183.
2. Chen RJ, Fu CY, Wu SC, Wang YC, Chung PK, Huang HC, Huang JC, Lu CW. Diagnostic accuracy, biohazard safety, and cost effectiveness - the Lodox/Statscan provides a beneficial alternative for the primary evaluation of patients with multiple injuries. J Trauma 2010;69(4):826-830.
3. Deyle S, Wagner A, Benneker LM, Jeger V, Eggli S, Bonel HM, Zimmermann H, Exadaktylos AK. Could full-body digital X-ray (LODOX-Statscan) screening in trauma challenge conventional radiography? J Trauma 2009;66(2):418-422.
4. Evangelopoulos DS, Deyle S, Zimmerman H, Exadaktylos AK. Full-body radiography (LODOX Statscan) in trauma and emergency medicine: a report from the first European installation site. Trauma 2011;13(1):5-15.
5. Exadaktylos AK, Benneker LM, Jeger V, Martinolli L, Bonel HM, Eggli S, Potgieter H, Zimmerman H. Total-body digital X-ray in trauma. An experience report on the first operational full body scanner in Europe and its possible role it ATLS. Injury 2008;39(5):525-529.
6. Fu CY, Wu SC, Chen RJ. Lodox/Statscan provides rapid identification of bullets in multiple gunshot wounds. Am J Emerg Med 2008;26(8):965.e5-e7.

Head Office | 7 Dartfield Road, Kramerville, Sandton, 2146, South Africa | Tel: +27 11 444 9118
Lodox NA LLC | 143 Burton Street, Painesville, Ohio, 44077 | Tel: +1 866 615 6369
www.lodox.com | **info@lodox.com**

MKT-19-0044-B