

Papers on the Lodox® Statscan® Critical Imaging System

Please click on the titles below to gain access to the relevant paper, mostly as published on the Internet.

Note that for titles marked "Complete", full access to the paper as published is obtained. For the other titles access to the reference in a particular publishing database is shown. Sometimes free access to the particular database may be available as a result of prior membership or professional affiliation.

Clinical Papers

Statscan used in trauma and emergency applications:

["Report on a new type of trauma full-body digital X-ray machine"](#) - Complete

["The use of low dosage X-ray \(Lodox/Statscan\) in major trauma: comparison between low dose X-ray and conventional x-ray techniques"](#)

["Total-body digital X-ray in trauma: An experience report on the first operational full body scanner in Europe and its possible role in ATLS"](#)

["Current imaging technology and trauma: Has the secondary survey been superceded?"](#)

["Could Full-body Digital X-ray \(LODOX-Statscan\) Screening in Trauma Challenge Conventional Radiography?"](#)

["Personal experience with whole-body, low-dosage, digital X-ray scanning \(LODOX-Statscan\) in trauma"](#) - Complete

["Novel use of Lodox® Statscan® in a level one trauma center"](#)

["The use of full-body low-dosage X-ray \(Lodox/Statscan\) in acute medical emergencies: a preliminary experience"](#) - Complete

Statscan's for paediatric applications:

["A pilot study evaluating the "STATSCAN" digital X-ray machine in paediatric polytrauma"](#) - Complete

["The use of the Statscan digital X-ray unit in paediatric polytrauma"](#)

["A pilot study evaluating erect chest imaging in children, using the Lodox Statscan digital X-ray machine"](#) - Complete

["Short emergency department length of stay attributed to full-body digital radiography — a review of 3 paediatric cases"](#) - Complete

["Multiple injuries diagnosed using full-body digital x-ray"](#)

["Early detection of fractures with low-dose digital x-ray images in a pediatric trauma unit"](#)

Statscan compared to conventional radiography alternatives:

["The use of low dosage X-ray \(Lodox/Statscan\) in major trauma: comparison between low dose X-ray and conventional x-ray techniques"](#)

["A new full body low-dose x-ray technique is an alternative to conventional "shunt series" in patients with ventriculoperitoneal shunt dysfunction"](#)

["Could Full-body Digital X-ray \(LODOX-Statscan\) Screening in Trauma Challenge Conventional Radiography?"](#)

Statscan in novel and new applications:

For military applications:

["Fast, full-body radiographs : A life saving diagnostic aid in the treatment of Military, Trauma and Emergency Casualties?"](#)

Statscan in forensics:

["Lodox Statscan proves to be invaluable in forensic medicine"](#) - Complete

["Sudden death on an Aeroplane"](#) - Complete

Statscan for arteriograms:

["Emergency room arteriography: An updated digital technology"](#)

Statscan and bone cancer:

["Low-dose whole-body x-ray works for bone surveys"](#) - Complete

Statscan and urinary stones:

[Detection of Urinary Stones at Reduced Radiation Exposure: A Phantom Study Comparing Computed Radiography and a Low-Dose Digital Radiography Linear Slit Scanning System"](#)

["A new full body low-dose x-ray technique is an alternative to conventional "shunt series" in patients with ventriculoperitoneal shunt dysfunction"](#)

Technical Papers

Technical papers on Statscan and linear slit scanning radiography (LSSR)

Statscan's radiation dose in adults:

["Radiation dose from a linear slit scanning X-ray machine with full-body imaging capabilities"](#)

Statscan's radiation dose in children:

["Paediatric dose measurement in a full-body digital radiography unit"](#)

This paper was the Winner of the prestigious "Walter Berdon Award for the outstanding Basic Science Paper appearing in *Pediatric Radiology* in 2007 "

Statscan's physics:

["System characterization of the STATSCAN full body slit scanning radiography machine: theory and experiment"](#)

["An explanation for the extremely low, but variable, radiation dosages measured in a linear slit scanning radiography system"](#)