



RadTrainer

Training Radiographers the Safe Way

*Clinical X-ray Workflow Training
Without Radiation Exposure*

RadTrainer

Ethan James Lee
202493154239
CHEST

Worklist

- PELVIS 2024-09-03 / 202493154444
 - PELVIS AP
 - PELVIS LAT
- SKULL 2024-09-03 / 202493154431
 - SKULL AP
 - SKULL LT LAT
- CHEST 2024-09-03 / 202493154239
 - CHEST AP**
 - CHEST LT LAT

Procedure

Study List

Viewer

Ethan James Lee
202493154239
M / 32Y / 1991-11-27
CHEST AP
202493154239

CHEST AP
Chest AP Supine Projection

kV : 95 mA : 320 Time : 16

Region
lung, trachea, bronchus, heart, diaphragm, mediastinum, costophrenic angle

Pathology
pleural effusions, pneumothorax and atelectasis

SID
100 cm (40 inches)

Central
The central ray is directed perpendicular to the center of the chest cage at the level of the 7th thoracic vertebrae.

Respiration
suspended with deep inspiration

Position
* The patient is placed either in an erect position or

A pre-clinical training platform designed for students before real hospital practice

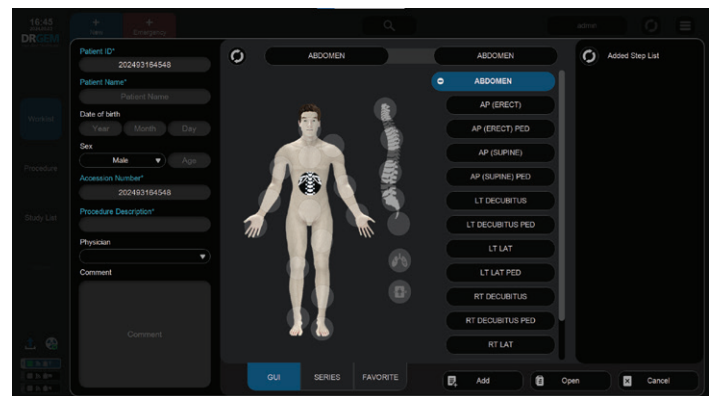
A Complete Workflow for X-ray Training

RadTrainer is a radiography training solution that allows students to learn the full X-ray room workflow safely, with no X-ray exposure.

1 Patient Registration

Seamless Patient Setup

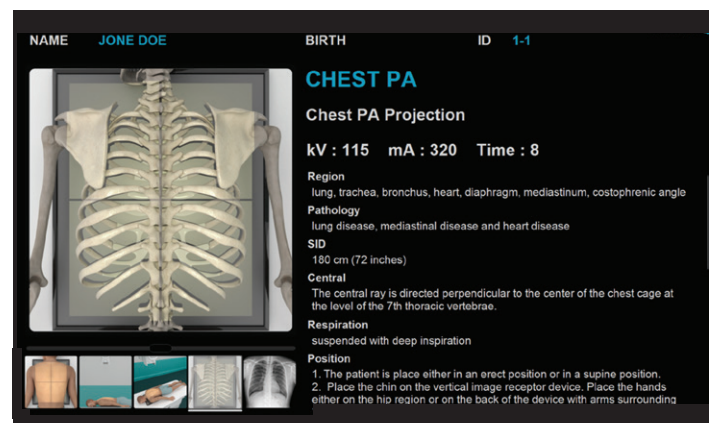
Register a new patient or select an existing case directly from the worklist to begin the training workflow smoothly and efficiently.



2 X-ray Preparation

Guided Positioning and Exposure Setup

RadTrainer supports real clinical preparation by guiding patient positioning and exposure setup. It uses an extensive high-resolution image library covering 23 body parts and 337 positioning scenarios, based on real images used in general hospitals for realistic training and image review.



3 X-ray Exposure & Image Processing

Clinical Exposure Control and Image Review

Perform X-ray exposure within the simulation environment and immediately review the acquired images.

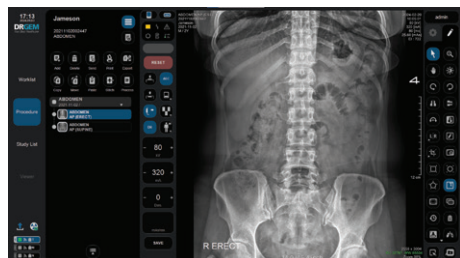
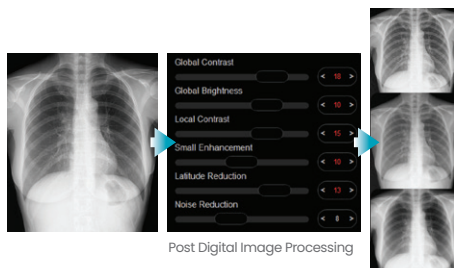


Image Processing

Post-digital image optimization that enhances clarity, contrast, and consistency for reliable diagnostic interpretation.



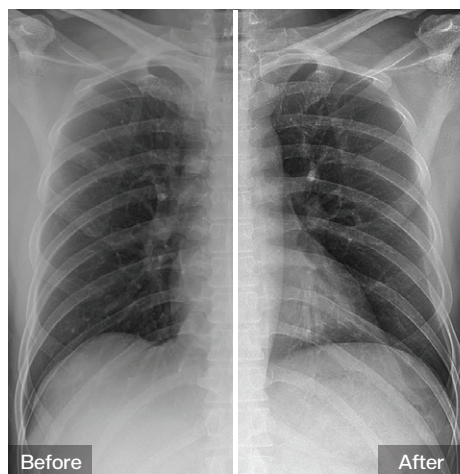
9 Image Presets

Nine image presets are generated from a single exposure, allowing users to select the most appropriate image without retaking X-rays.



Scatter Reduction

Scatter reduction processing simulates clinical image quality by minimizing scatter effects and enhancing contrast.



Bone Suppression

Enhances soft tissue visualization for superior chest X-ray training.

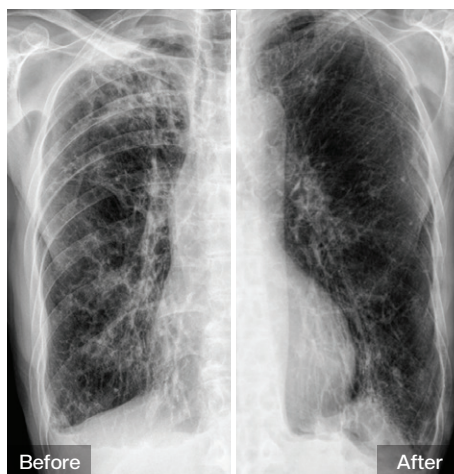
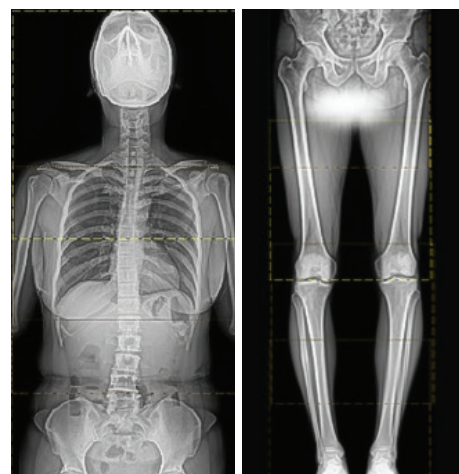


Image Stitching

RadTrainer provides a training environment for whole-spine stitching and long-bone stitching.



4 PACS Connectivity

RadTrainer transmits simulated X-ray images to a PACS, enabling image review, training evaluation, and workflow validation on a single workstation.



Why RadTrainer is the Professional Choice



Efficient X-ray learning
with real workflows



Full library of clinical images
across all body parts



Flexible training in any
non-hospital environment



Safe practice with
no X-ray exposure

Configuration Options

Flexible training configurations ranging from standalone software to fully integrated X-ray system environments.



BASIC

Standalone Software

RadTrainer

- Runs directly on a PC or laptop
- Ideal for classroom learning and theory-based practice
- Full access to positioning guidance, simulated workflow, and image viewing
- No additional hardware required



PLUS

SW with Touch Console

RadTrainer

Smart Touch Console

- Connects RadTrainer to Smart Touch Console
- Enables hands-on operation with physical buttons and knobs
- Delivers a more real workflow experience
- Suitable for skill-based practical training environments



Integration

SW with Complete Systems

RadTrainer

DRGEM X-ray Systems

- Complete setup with RadTrainer, DRGEM X-ray Systems
- True-to-life workflow from positioning to exposure
- Ideal for advanced clinical and skill-based training environments
- Full control features are available when integrated with our system

DRGEM
Your Best Healthcare

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