Precision & Vision

WDM 万东

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Note: Design and specification subject to change without notice.

NEW ORIENTAL 1000FC

Radiographic X-ray Machine

Fully Automatic
Ceiling Suspension System

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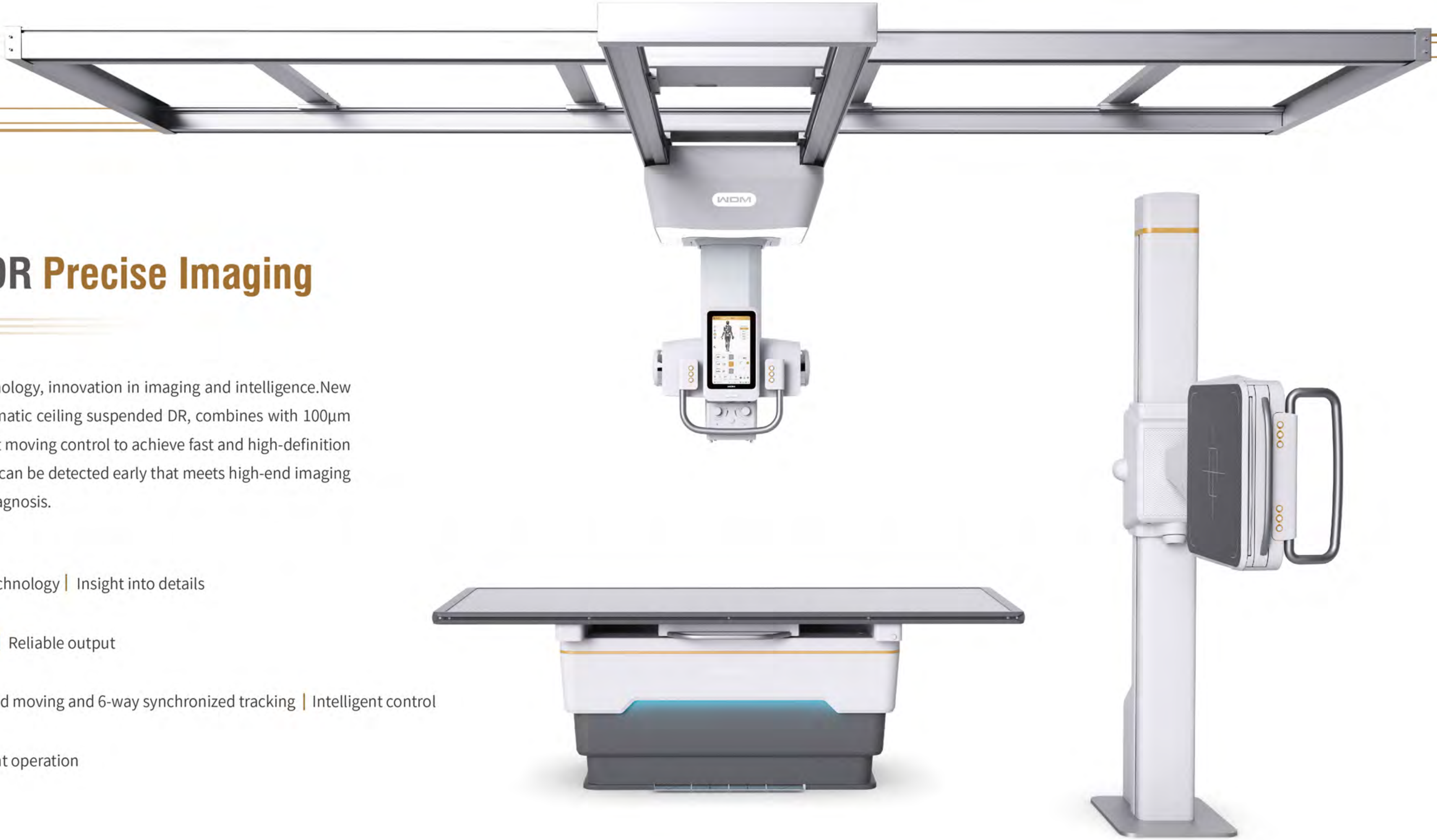
Intelligent DR **Precise Imaging**

Breakthrough in core technology, innovation in imaging and intelligence.New Oriental 1000FC fully automatic ceiling suspended DR, combines with 100μm FPD and ten-axis intelligent moving control to achieve fast and high-definition imaging. The small lesions can be detected early that meets high-end imaging requirement of accurate diagnosis.

- 100μm Imaging technology | Insight into details
- 80kW High power | Reliable output
- 10-axis Coordinated moving and 6-way synchronized tracking | Intelligent control
- Dual FPD | Efficient operation



High Definition Vision

Precise Imaging

100µm Imaging Technology

- 2.4/5G Dual-band wireless transmission
- 17”X17” Large FOV
- 75% DQE Low dose
- 100µm Pixel pitch
- 18 Million pixels
- Improved experience for better clinical practices

100µm Imaging, finding Fine Details

Wireless Flat Panel, Flexible Positioning

WiFi transmission, flexible application.
Built-in charging port in bucky, fast charging and long battery life.

Wireless Intelligent iAEC Function (optional)

Comprehensive self-adaptive exposure dose, accurate dose reduction.
Improved image clarity by eliminating artifacts of ion chamber.
Integrated design, consistent quality.

DAP Function

Real-time dose display of each exposure.

Line Noise Elimination Technology

The line noise is eliminated while no image detail loss, keeping high edge resolution with no extra artifact generated.

Intelligent Communication Technology

Patent technology to improve transmission stability under complex electromagnetic environment.

Removable oscillating Grid

Grid can be removed without using tool, to meet the low dose needs of pediatric application and thick body radiography.
Oscillating grid to efficiently eliminate scattered radiation without grid shadow artifact.

Intelligent Control

Intelligent Control

Ten-axis Coordinated Moving Intelligent Automatic Structure

- Cross rail ceiling suspension
- 10-axis coordinated moving
- Table elevation
- 4-way floating

6-way synchronized tracking

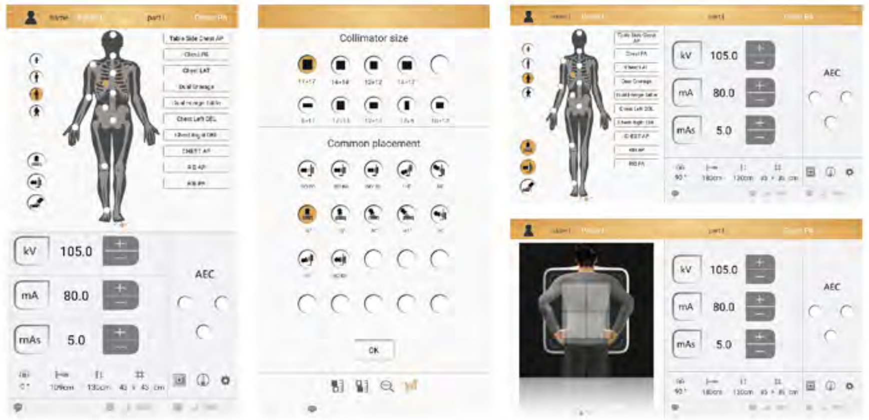
Chest Bucky Tracking

SID Hold

Table Bucky Tracking

Efficient Process

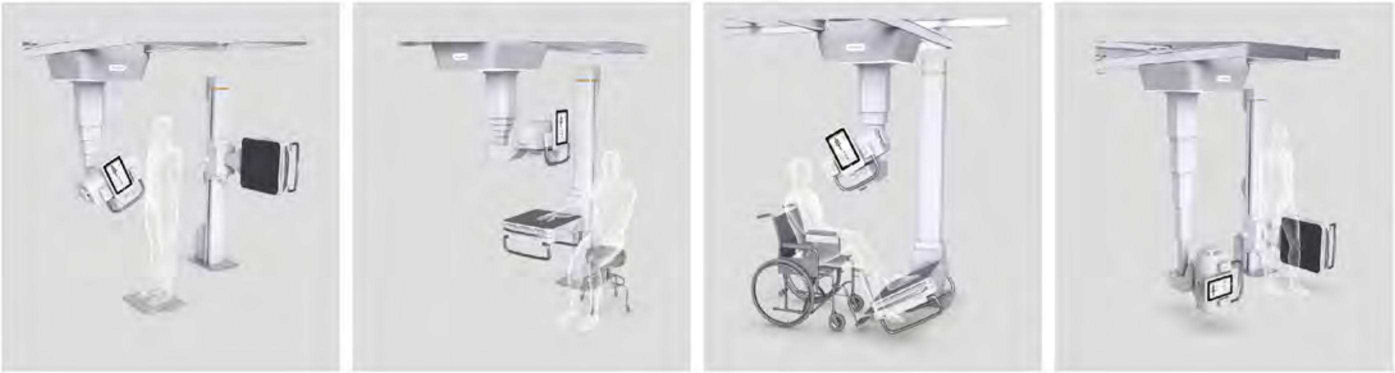
Intelligent One Touch Automatic Positioning



- Patient information
- APR
- Exposure data
- Positioning tutorials
- Image preview
- Safety warning
- Portrait/Landscape adaptive display

Dual Wi-fi Detectors, Portable Convenience

Dual FPDs application in different clinical scenes enables less handling of the panels, simplifies workflow and improves efficiency.

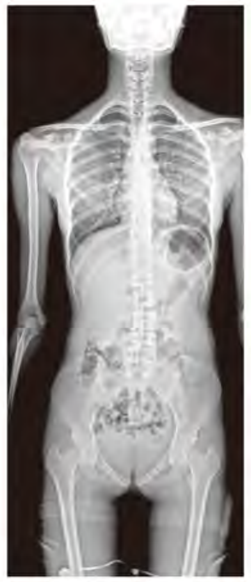


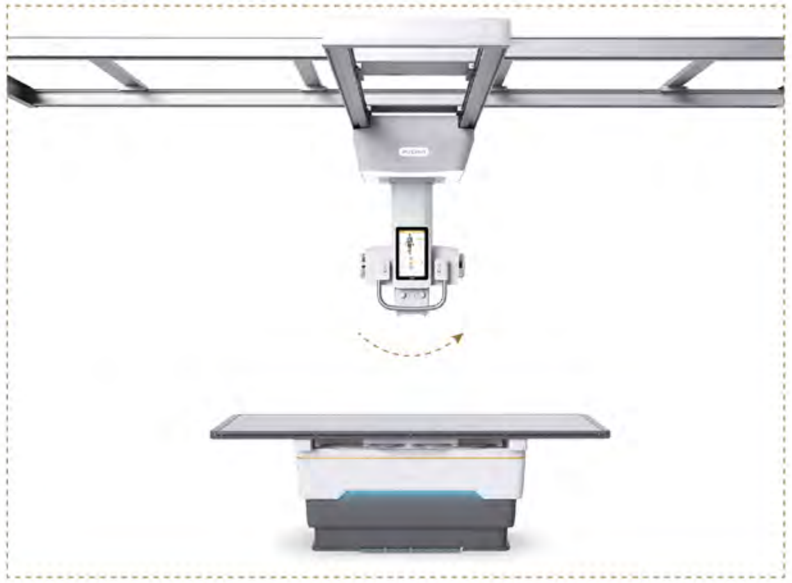
Intelligent One-key Automatic Stitching (optional)

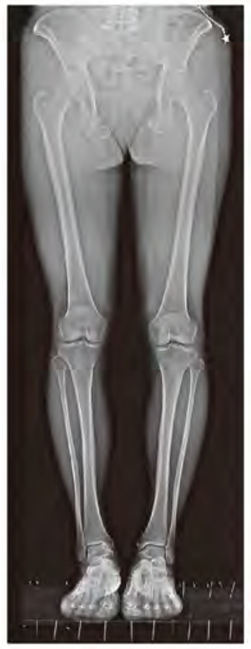
Stitching program with no shifting of X-ray tube focus effectively improves success rate.

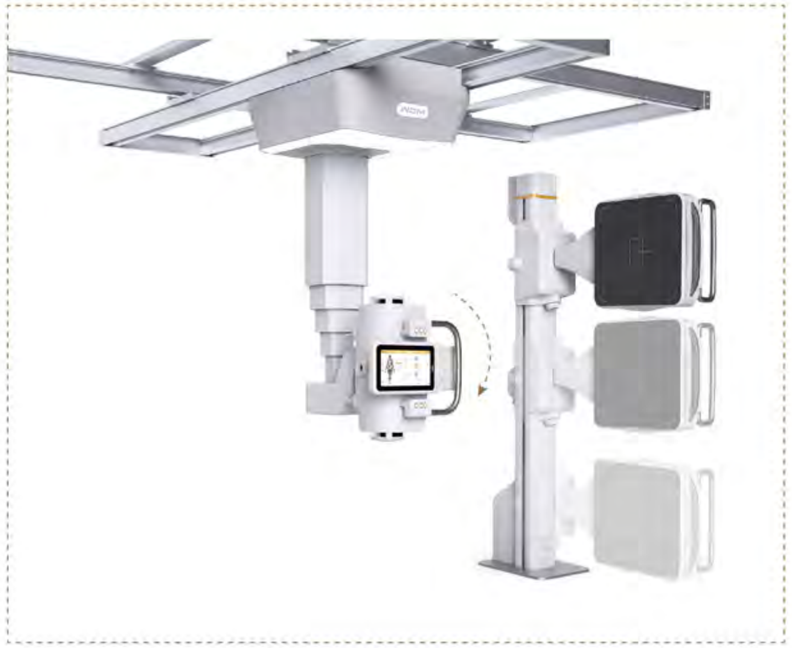
Minimized overlapping makes the stitching length longer under the same number of exposur.

AEC and histogram equalization algorithm are applied to acquire series of images at unified brightness and contrast leveles.







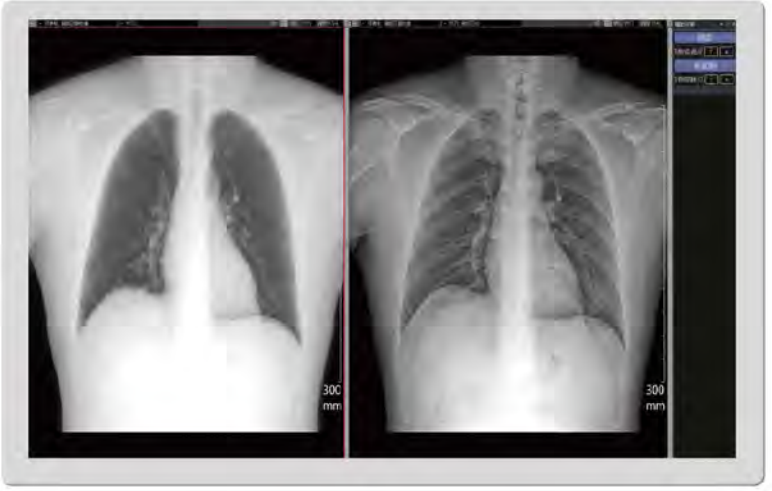


Intelligent Diagnosis SmartView(optional)

The integrated AI technology assists doctors to rapidly diagnose determined diseases which improves workflow and reduces misdiagnosis rate.

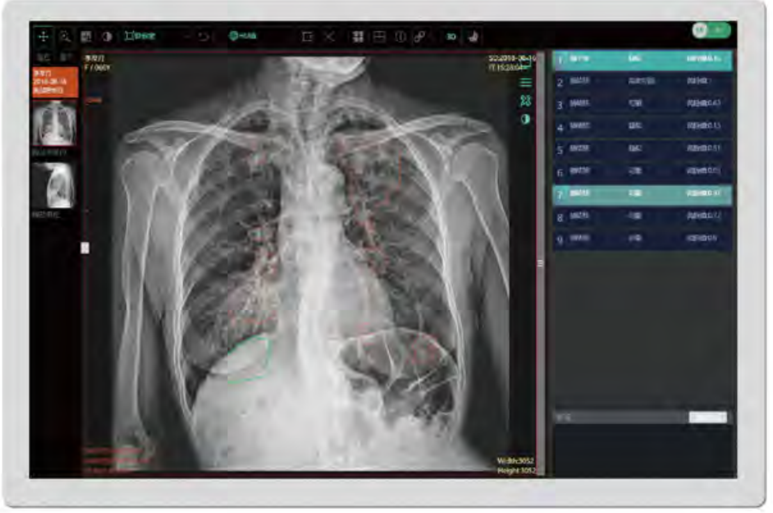
Intelligent Bone Suppression

The system automatically generates bone suppression images to facilitate lung tissue diagnosis by reducing the effect of skeletal overlap.



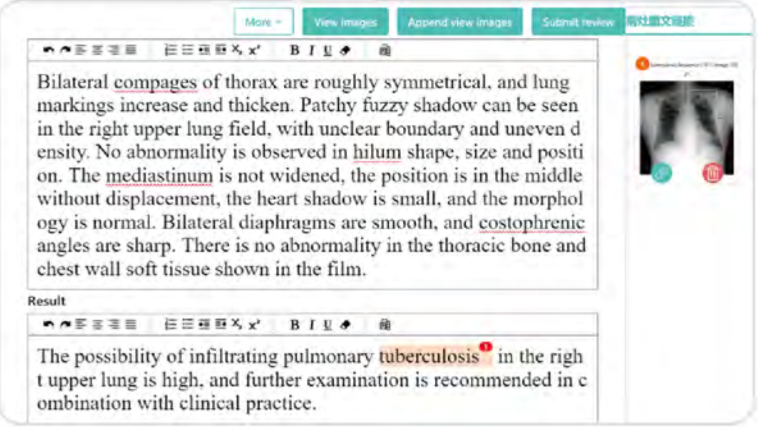
AI Assist Diagnostic Function for lung disease

Similar to the face recognition technology, the original lung image is extracted from the raw image. After 121 layer convolution neural network CheXNet analysis, the detection of tuberculosis, pneumothorax, atelectasis, pneumonia, pleural effusion and other diseases in chest image can be detected. The intelligent engine automatically outlines the focus area of chest image.



ROI (Region Of Interest) Function

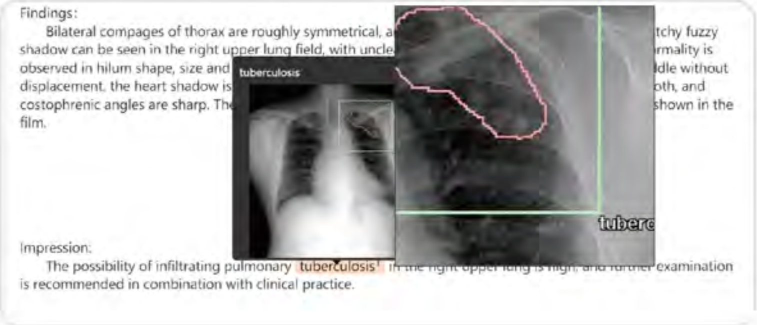
'ROI' can be used to make diagnostic location and description more clearly, either for clinicians or patients. It will be applied for report writing stage, just by click the statement and target relevant images. This function will lead the accuracy of image analysis effectively.



Bilateral compages of thorax are roughly symmetrical, and lung
markings increase and thicken. Patchy fuzzy shadow can be seen
in the right upper lung field, with unclear boundary and uneven d
ensity. No abnormality is observed in hilum shape, size and positi
on. The mediastinum is not widened, the position is in the middle
without displacement, the heart shadow is small, and the morphol
ogy is normal. Bilateral diaphragms are smooth, and costophrenic
angles are sharp. There is no abnormality in the thoracic bone and
chest wall soft tissue shown in the film.

Result

The possibility of infiltrating pulmonary tuberculosis[1] in the righ
t upper lung is high, and further examination is recommended in c
ombination with clinical practice.



Findings:

Bilateral compages of thorax are roughly symmetrical, a
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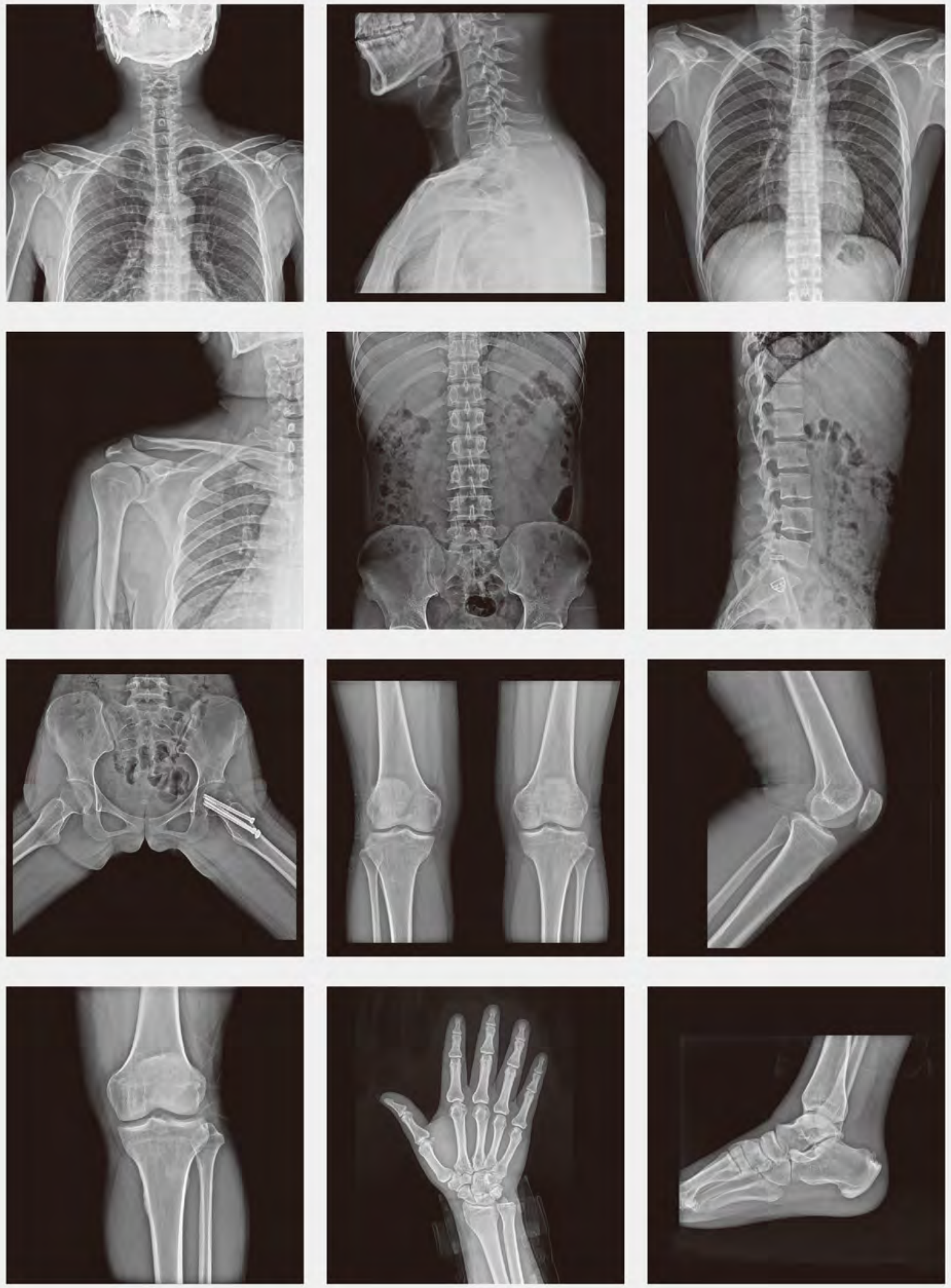
Impression:

The possibility of infiltrating pulmonary tuberculosis[1] examination
is recommended in combination with clinical practice.



WDM

Global service caring for you

Professional team

Wandong imaging products has been installed in over 90 countries, more than 100 distributors and authorized service partners are ready to provide professional service.

Regular maintenance

Regular maintenance by experienced and qualified engineers, guarantees the stable operation, prevents major failures, and extends the equipment life.

24hours online support

Quick response and remote technical support, on-line trouble shooting, spare parts inventory and quick delivery.

Free software upgrade

Fully self-developed acquisition platform, free lifetime software upgrade, always providing you the excellent experience.

Europe
North America
Asia
Middle East
Central America
Africa
South America