ORmed | The X-ray software at the next level

Acquisition software for X-ray images

from DR flat panels or CR systems

NEW!

OR Technology


ORmed
Patient name
07.03.1974, 51 years
XEZHY-436EN
Study: 14.03.2025
3/5
14.03.2025 13:13
Ankle
lateral
kV: 55 mAs: 4 DAP: 267.12
14.03.2025 13:12
Cervical spine
anterior-posterior
kV: 70 mAs: 40 DAP:
14.03.2025 13:12
Hip joint
anterior-posterior
kV: 77 mAs: 80 DAP:
19.03.2025 14:12
Knee
anterior-posterior
kV: 66 mAs: 25
19.03.2025 14:13
Lumbar spine
anterior-posterior
kV: 81 mAs: 200
Add new planning
Complete study
Dr. Sample

ORmed

The professional acquisition software

for small medical practices & large hospital departments

ORmed is a versatile **software solution for the acquisition of X-ray images compatible with both detector systems (DR) and imaging plate systems (CR) from different manufacturers**. The software enables complete control of X-ray generators and systems from different manufacturers to support a smooth and efficient workflow. The user-friendly interface can be operated either by touchscreen or mouse, guaranteeing easy handling.

The professional image processing can be adapted to special user requirements and impresses with its outstanding image quality. Powerful image editing processes allow organ-specific optimisation and thus guarantee **X-ray images of the highest quality.**

Everyday work is made easier by the intuitive operation. Additional function like the multimedia X-ray positioning guide contribute to noticeable increase in efficiently.

ORmed can be **seamless seamlessly integrated into existing patient management systems**.

As a central component of digital X-ray systems, *ORmed* is suitable for retrofitting existing X-ray units (retrofit systems) as well as for new complete systems with generator control or mobile case solutions for portable or mobile X-ray generators.


ORmed
Ute Musterfrau
* 01.09.2000
# 30fb7e8b-7604-4b6c...
Study: 19.09.2024
Related Studies
0/7
kv: 66 mAs: 25 DAP:
20.09.2024 13:20
Pelvis
anterior-posterior
kv: 76 mAs: 32 DAP:
30.10.2024 13:01
Skull
lateral
kv: 73 mAs: 16
30.10.2024 13:01
Sinus frontalis okzipitoment
(mentalis - tilted)
kv: 77 mAs: 20
30.10.2024 13:07
Orbita comparison image prone
kv: 77 mAs: 20
Add new planning
Complete study
X-ray helper
20°-25°

Efficient workflow

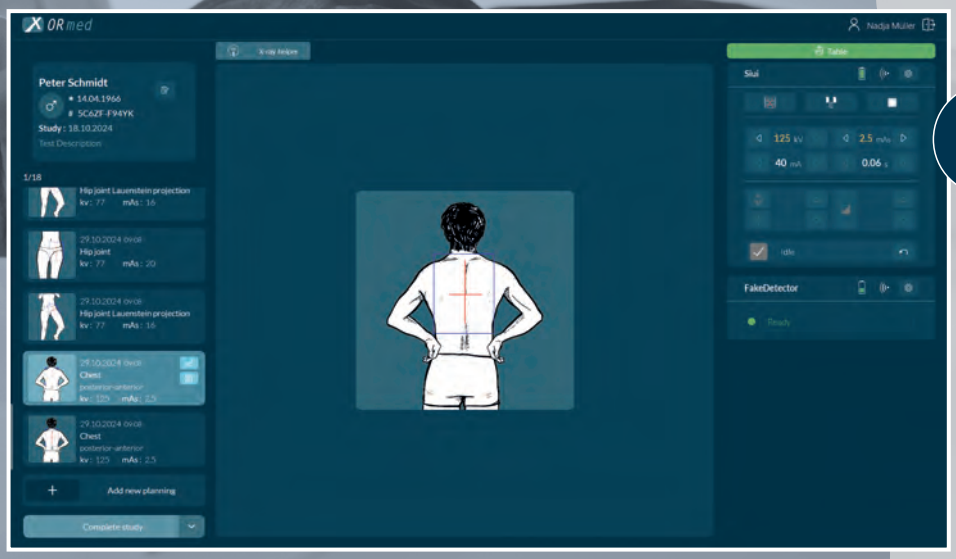
The easy-to-use software offers many advantages:

- Modern graphical user interface (GUI) adaptable to almost **any language**
- **Touchscreen** operation – to ensure quick and efficient work and a smooth workflow
- Capture of patient data via **DICOM Worklist,** IT infrastructure via Rest API or other protocols – data may also be captured manually
- **DICOM Procedure Codes** for transferring all relevant examination data directly from the connected patient management system (HIS/RIS)
- **Free configuration** of body regions (body parts) with more than **400 projections** and countless setting variants already included in the system (available on request)
- Safe and fast **registration of emergency patients**
- Allows the user to **switch between examinations** of a patient, e.g. instance to avoid having to re-position the patient frequently
- Allows the user to **subsequently add images** to an examination, even after that examination has already been completed
- **Examination procedures as macros**, e.g. thorax screenings
- **Fully integrated radiographic positioning guide** for each examination incl. comprehensive notes, photos, videos and correct X-ray images

For more detailed information
please see: **www.or-technology.com**

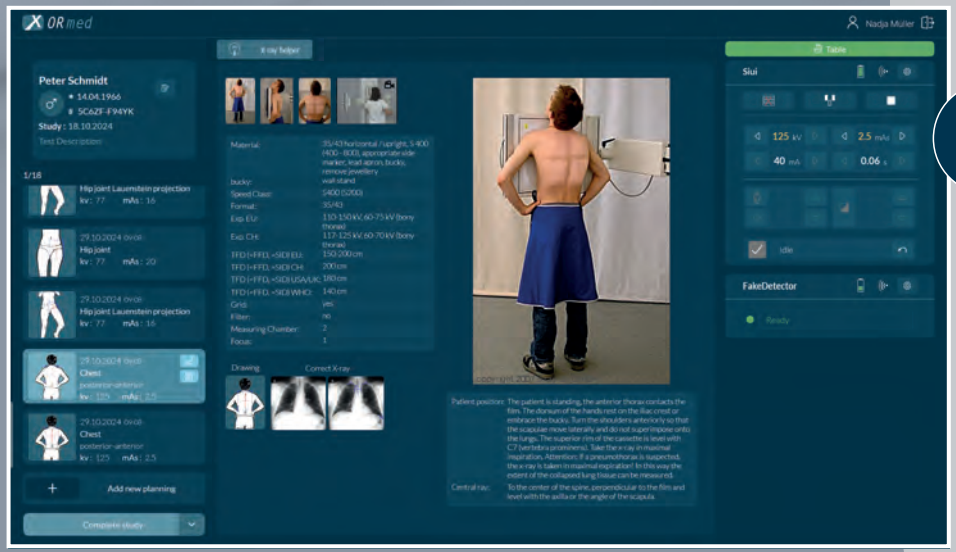
1

Planning X-ray examination using the body parts – switch to planning for children and infants with just one click



2

Select planned examination from the list [left] and recommended generator values for the respective study (kV, mAs, focus, etc.) [right].



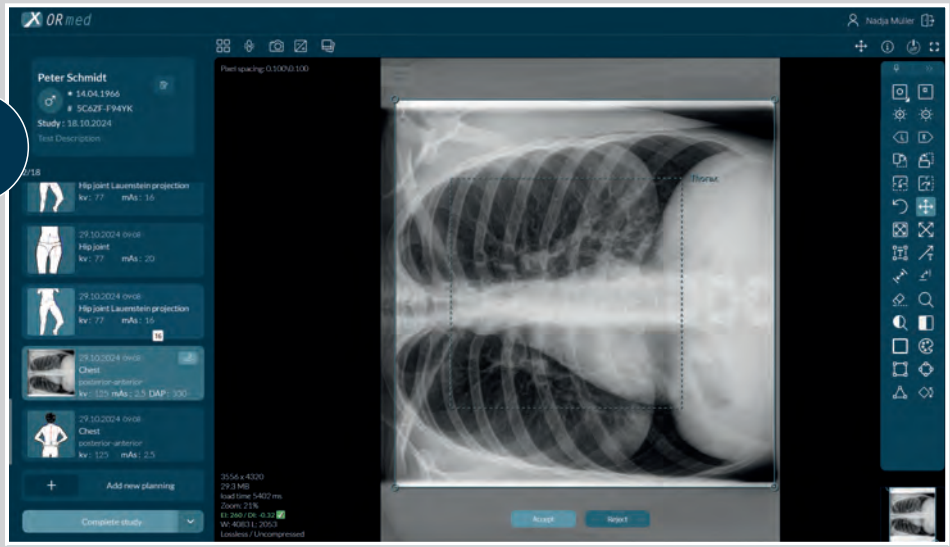
3

Integrated multimedia X-ray positioning guide for correct patient positioning

Procedure of an X-ray examination

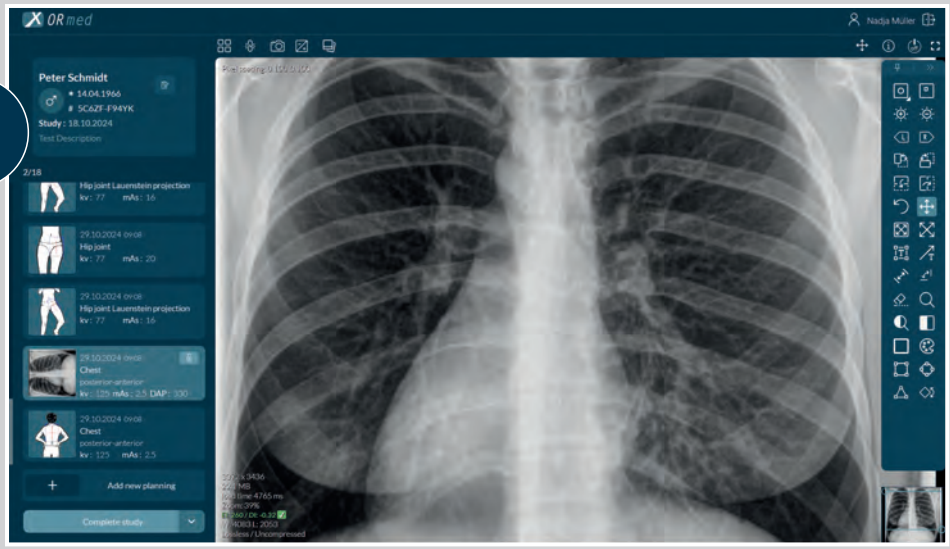
4

Preview image for manual acceptance or rejection of the X-ray image (incl. various display options) plus work list



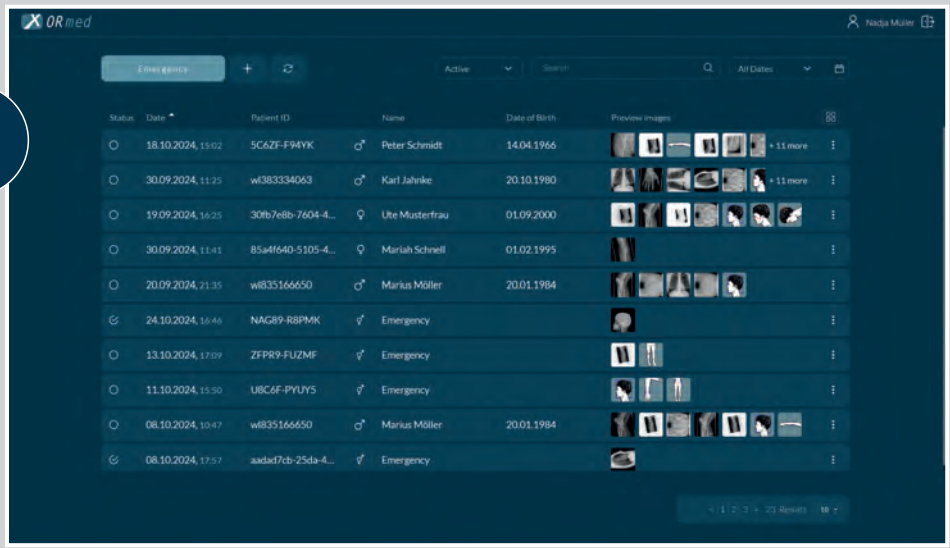
5

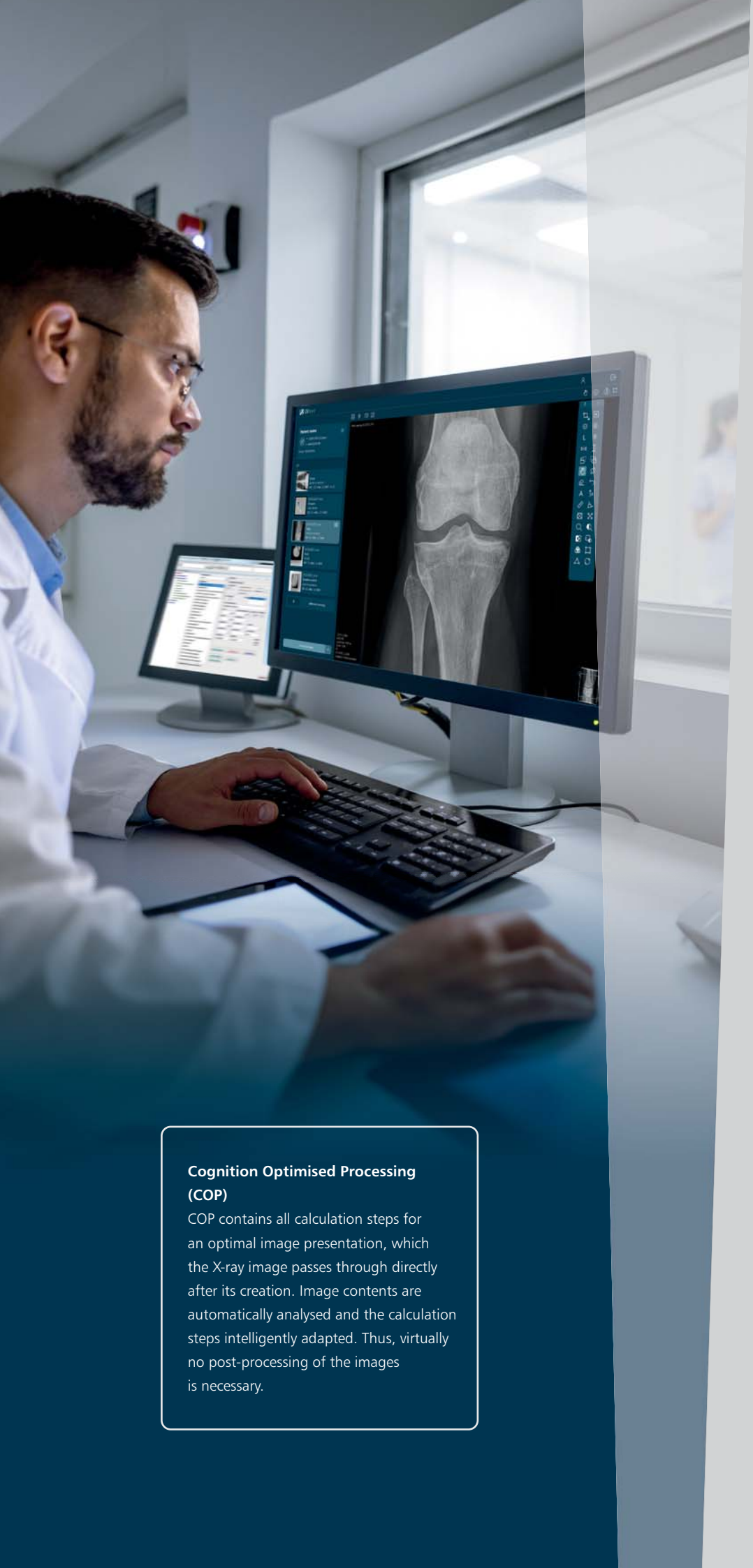
View and process of X-ray image



6

Study overview





Cognition Optimised Processing (COP)
COP contains all calculation steps for an optimal image presentation, which the X-ray image passes through directly after its creation. Image contents are automatically analysed and the calculation steps intelligently adapted. Thus, virtually no post-processing of the images is necessary.

Optimisation of image data

with the Cognition Optimised Processing

The automatic calculation steps of Cognition Optimised Processing (COP) include:

ADPC – automatic dead pixel correction
Automatically eliminates dead pixels – this reduces the need to calibrate the flat panel

AIAA – automatic image area analysis
Automatically analyses each image for soft tissue and bone structures and applies the most suitable processing algorithms

MFLA – multi frequency level analysis
Analyses each image on various frequency levels for ideal sharpness and contrast

ANF – automatic noise filter
Algorithm for optimal noise reduction

GLI – gridless imaging
Exposures without grid: enables the display of an image as if it had been taken with a grid – this is useful for supine chest exposures (bedside).

AGLS – automatic grid line suppression
Automatically removes gridlines from flat panel images – suitable for grids from 100 LPI to 200 LPI

IBC – intelligent brightness control
Automatically displays the image at the ideal level of brightness

ACO – automatic contrast optimisation
Automatic contrast equalisation across the entire image – this enables the optimal display of soft tissue and bones at the same time

ABBS – automatic black border shutter
Automatically darkens all parts of an image outside the collimated area – varying degrees of transparency are available and manual adjustments are easy to make.

For more detailed information
please see: **www.or-technology.com**

Individual adaptation of the graphical user interface according to the specifications of the OEM partner

Complete control of X-ray generators and X-ray systems from various manufacturers

Orderly and optimal workflow
&
Simple and user-friendly user interface

OEM: Software wanted?

For whom is the acquisition software from OR Technology of interest?

OEM partnerships provide numerous benefits to manufacturers who are interested in combing their X-ray systems with our *ORmed* acquisition software under a chosen brand name. The software helps all manufacturers **reduce their development costs** and significantly **shorten the time to market for digital solutions**.

ORmed is THE software for the complete integration of X-ray generators, stands, detectors, CR systems, image processing, file management, patient administration and PACS (including cloud computing).

The system is openly programmed and can be **customised to the specifications of the OEM partner**. The Look & Feel can be adapted to the existing CI/CD.

ORmed is a professional acquisition software for X-ray images generated by various X-ray detector systems (DR) and CR units (imaging plate reader). The software also controls the operation of X-ray generators and X-ray units manufactured by varios companies, thus ensuring an efficient and orderly workflow. The user-friendly and straightforward visual interface functions via touchscreen and mouse.

For more detailed information
please see: **www.or-technology.com**

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OR Technology

www.or-technology.com | **X-perts in X-ray**

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[Stamp of distribution partner]

Further information about
OR Technology is available: