

Enterprise PACS

& its benefit for patient and governments



OMAN HEALTH
EXHIBITION & CONFERENCE

18 – 20
SEPTEMBER **2023**

Oman Convention & Exhibition Centre, Sultanate of Oman

Dr. Afshin Niakan

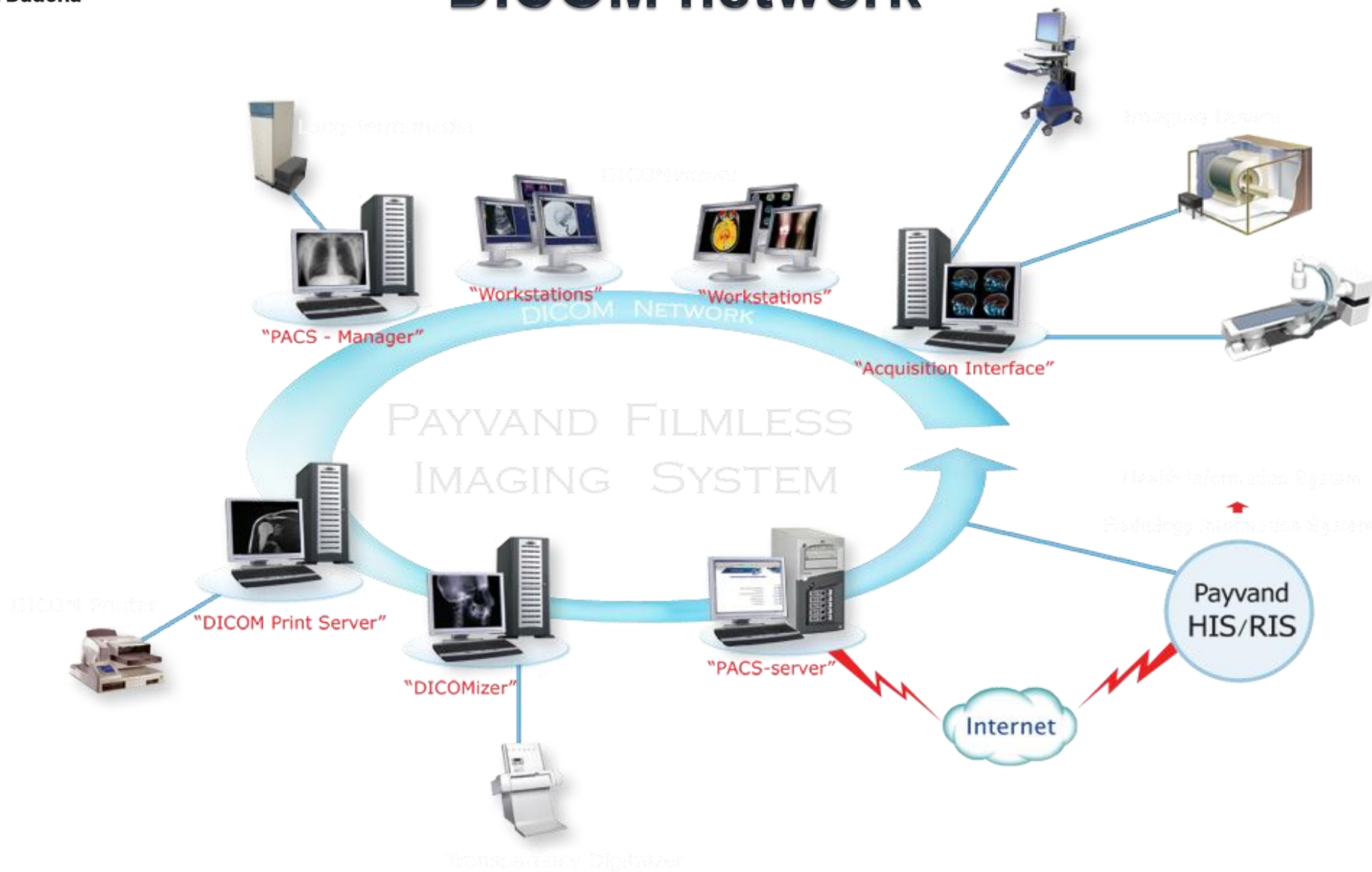
PACS

Picture **A**rchiving and
Communication **S**ystem

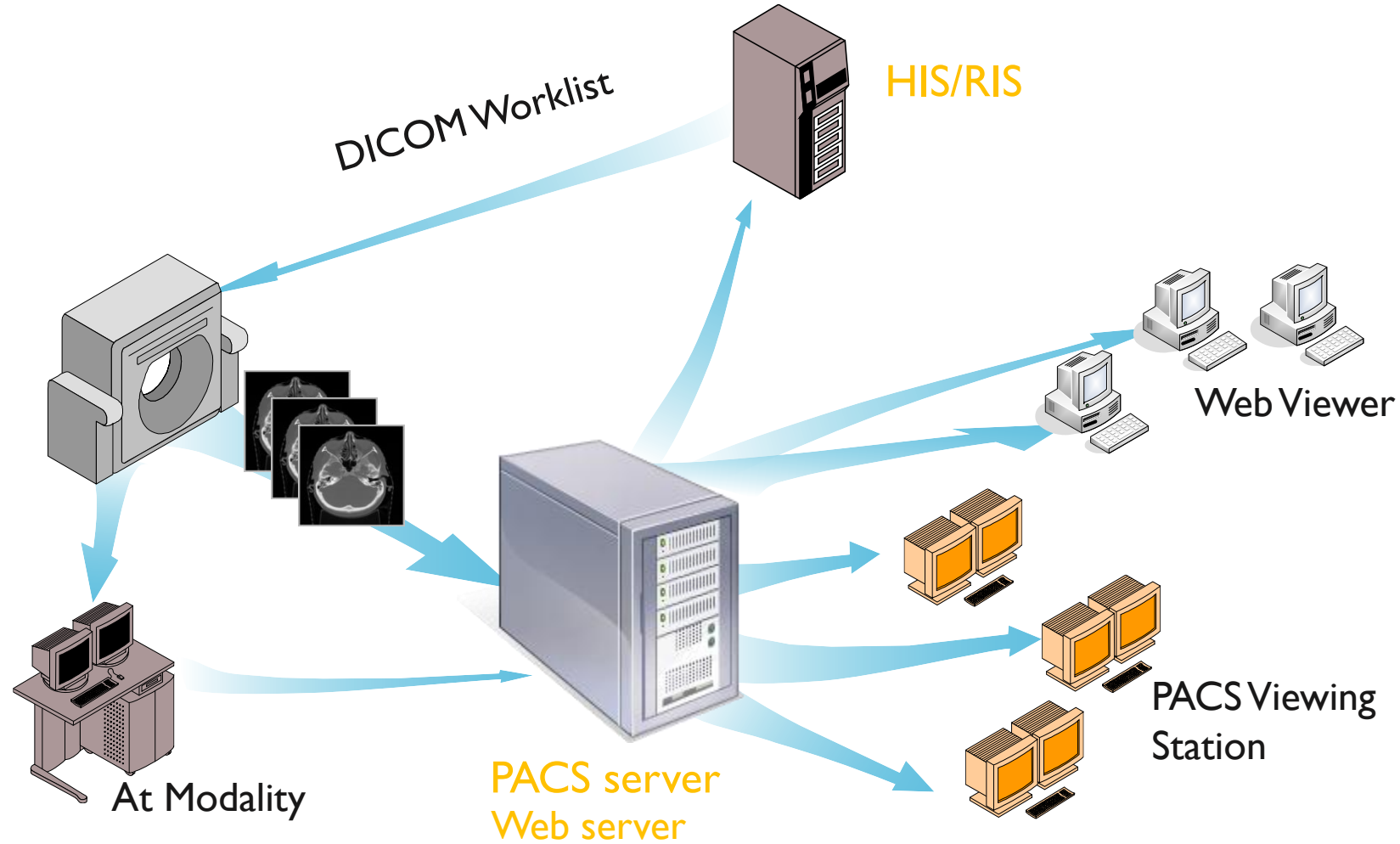
DICOM

The standard for **D**igital **I**maging
and **C**ommunications in **M**edicine.

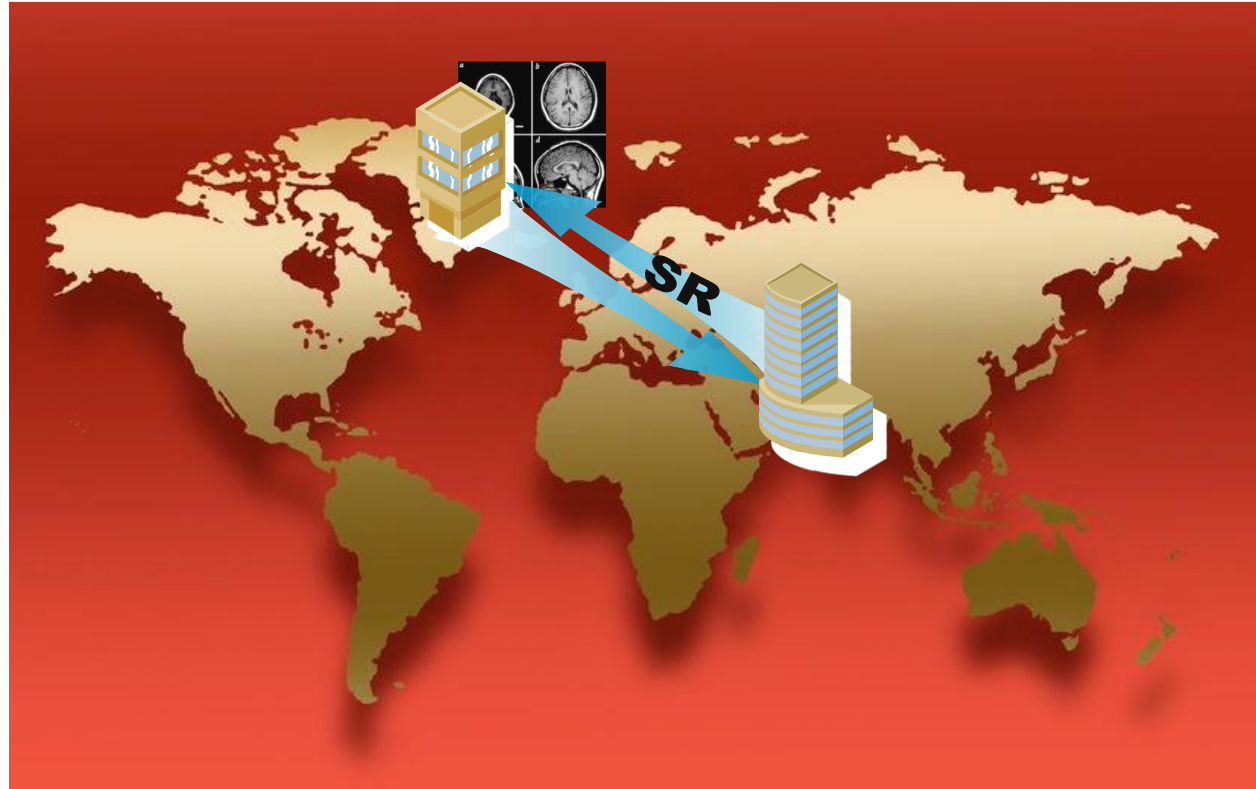
DICOM network



PACS Networking

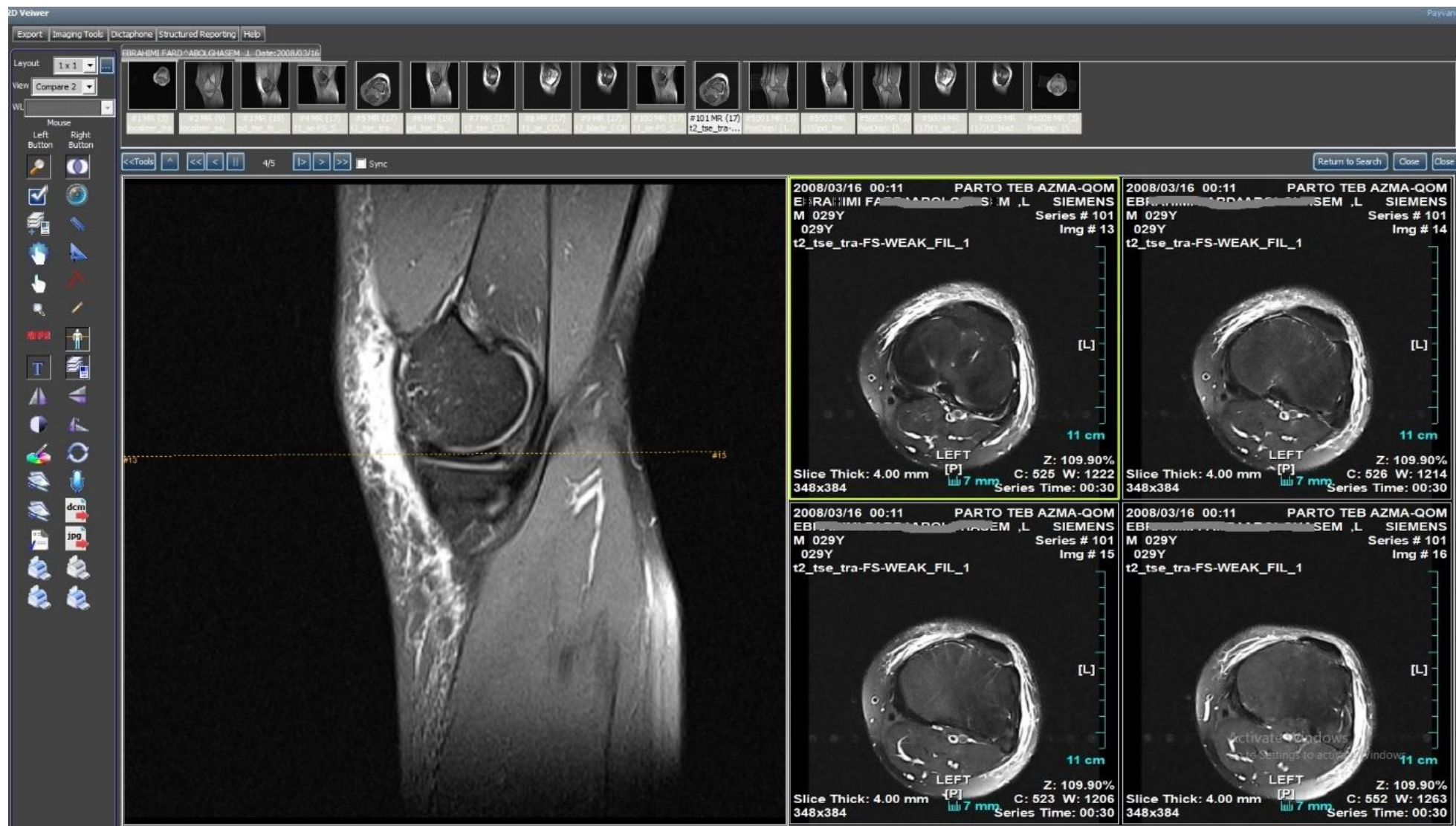


TeleRadiology

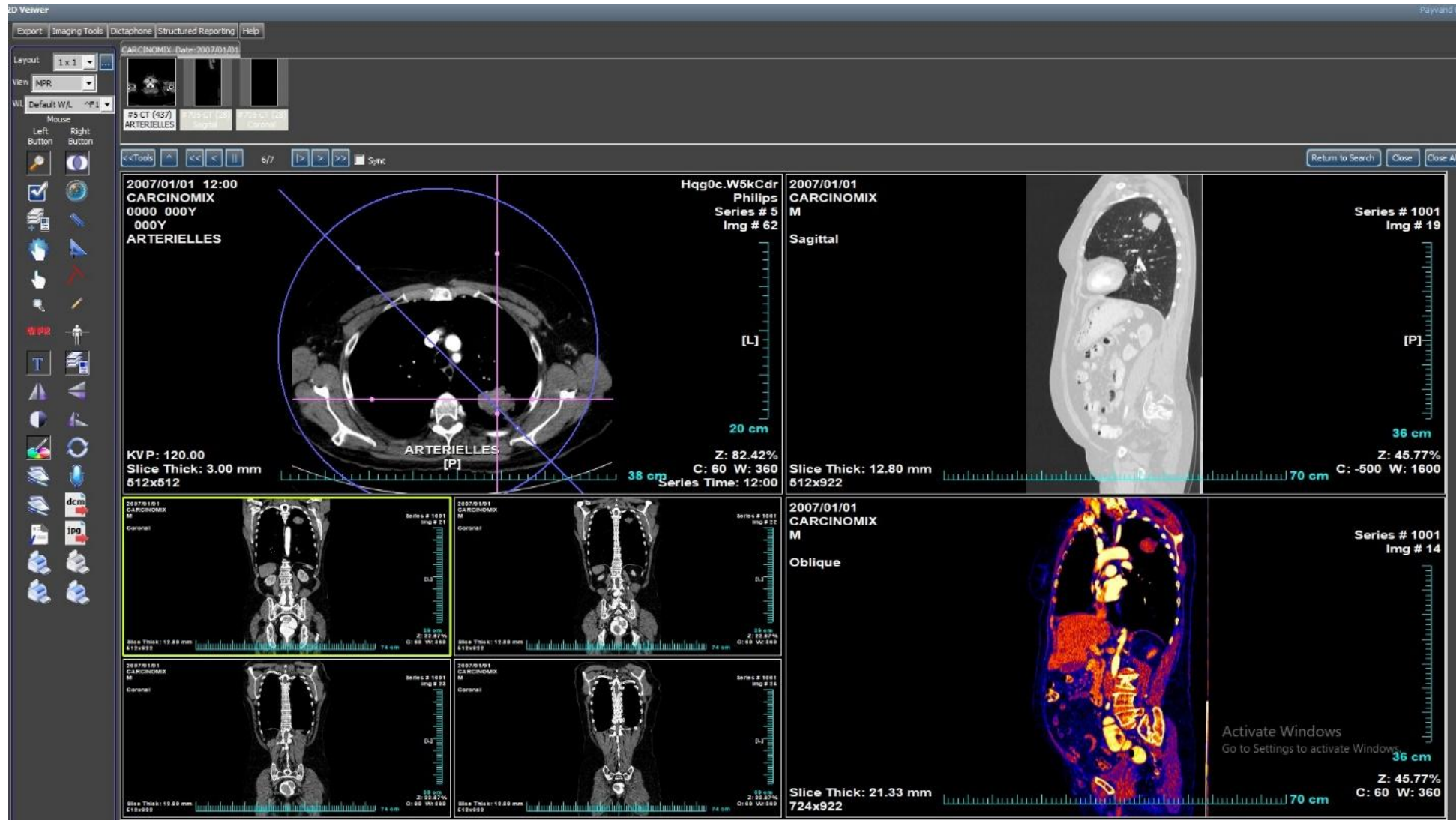


Some Sample view of PACS

Combine multi slice with reference line



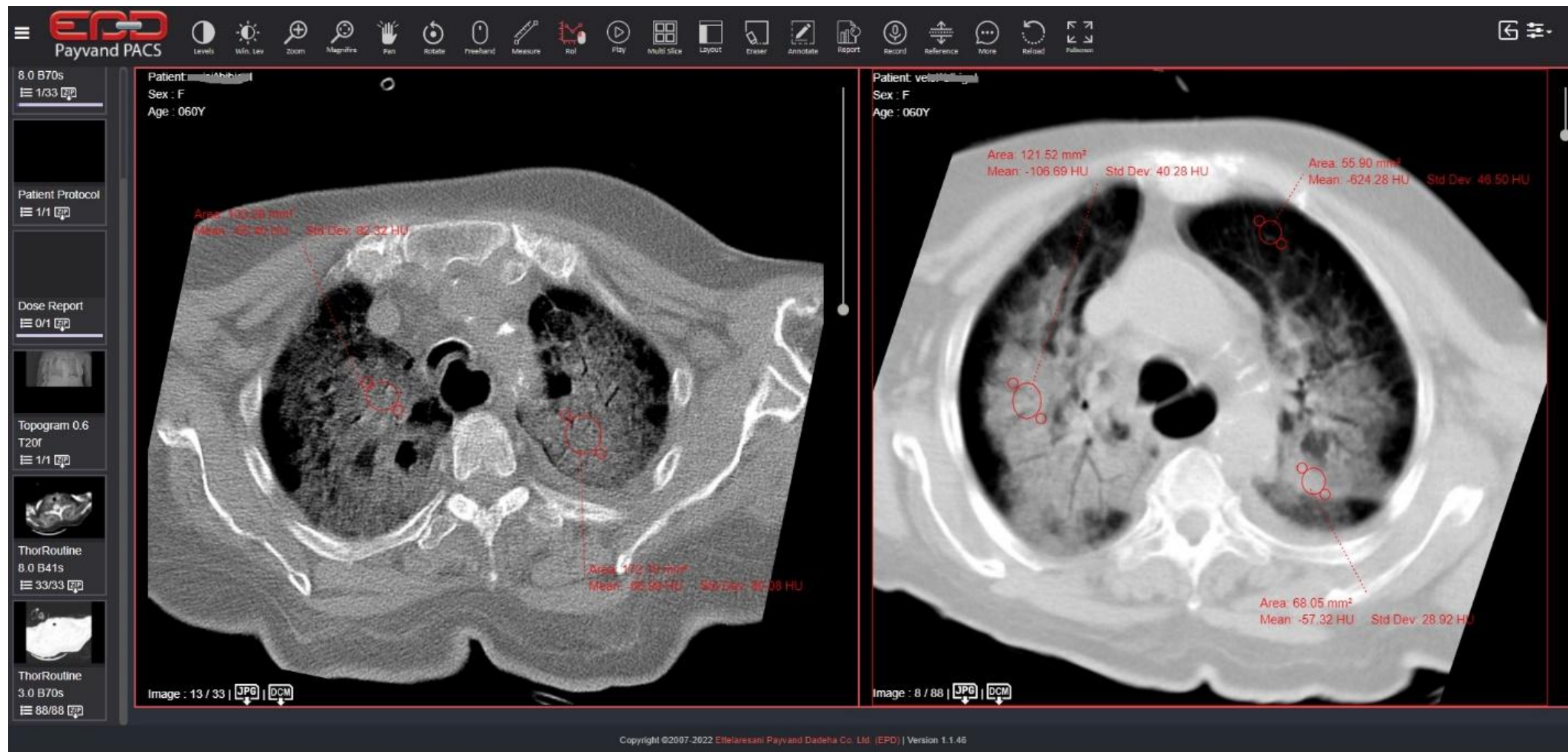
MPR + Color mapping



Multi slice CR Images



Husnfield Unit (area)



Multi slice

EPD Payvand PACS

Levels Win. Lev Zoom Magnify Pan Rotate Freehand Measure Ref Play Multi Slice Layout Eraser Annotate Report Record Reference More Reload Fullscreen

Load All

BaseSeq 5.0
H31s
2/26

Topogram 0.6
T20t
1/1

ThorRoutine
8.0 B70s
38/38

Patient Protocol
1/1

Dose Report
0/1

Patient: maz...
Sex: M
Age: 042Y
Image: 21 / 38

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Sex: M
Age: 042Y
Image: 21 / 38

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Sex: M
Age: 042Y
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Sex: M
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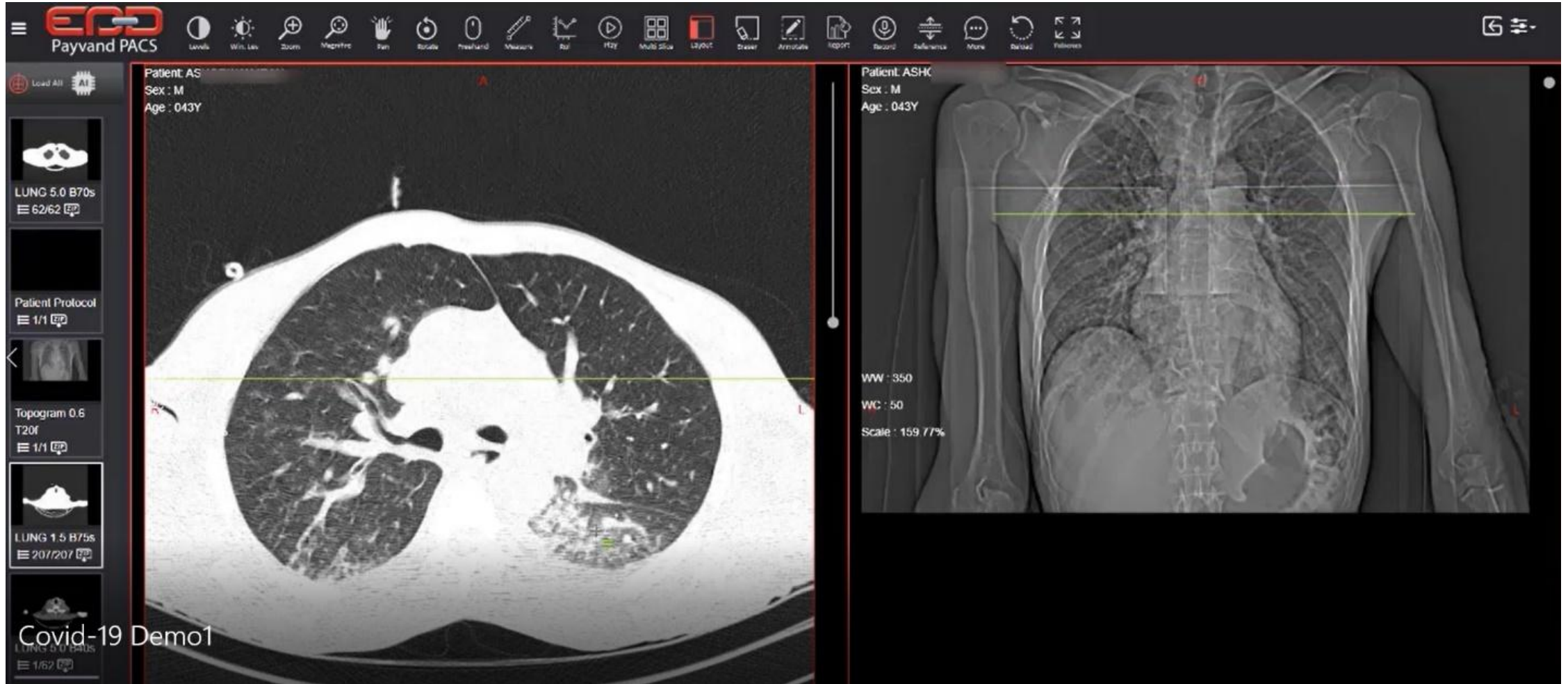
Patient: maz...
Sex: M
Age: 042Y
Image: 21 / 38

Patient: maz...
Sex: M
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Image: 21 / 38

Patient: maz...
Sex: M
Age: 042Y
Image: 21 / 38

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Bi directional Reference Line (Green Line)



Some Benefits of PACS

Quality of Care:

- Enhancement of the quality of images
- Image processing and AI
- Access to Images & reports in any time and any place
- Prevention of film lost or destruction
- Telemedicine (Tele radiology)
- Reduction of error
-

Financial Profits:

- Elimination of Radiology film, film storage ...
- Other significant cost Reduction of Radiology Department
-

EPD PACS PRODUCTS

Duo to the various needs of our customers and seeking technology upgrade we produce different PACS system in different platforms, each one has it's one usage. From Stand alone Diagnostic workstation under the windows platform up to the Enterprise PACS.



Diagnostic Mini-PACS

Advance windows base app for single usage or in addition to enhance the quality of our other PACS solutions



Local (network) PACS

Web base product for small to big Medical centers with multiple modalities and users.



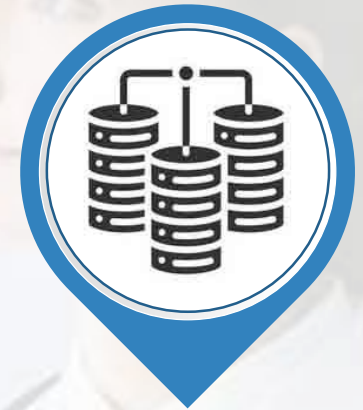
Cloud PACS

Software as a service (SaaS) application mainly for very small medical centers up to the medium size.



Hybrid PACS

Very high-level solution for centers with need a very stable and fast speed Internet connection



Enterprise PACS

The most ideal solution for integration of data in group of medical centers mainly in one organization or region.

Educational or Non diagnostic PACS

Google Search k pacs - Google Search x K-PACS - IMAGE Information Syst x +

image-systems.biz/products/free-dicom-pacs-tools/k-pacs/

 **IMAGE**
Information Systems

K-PACS is your DICOM viewer of choice and a free mini PACS if you plan to use it for testing or training purposes. It is not meant for diagnostic use.

Non-diagnostic use





K-PACS

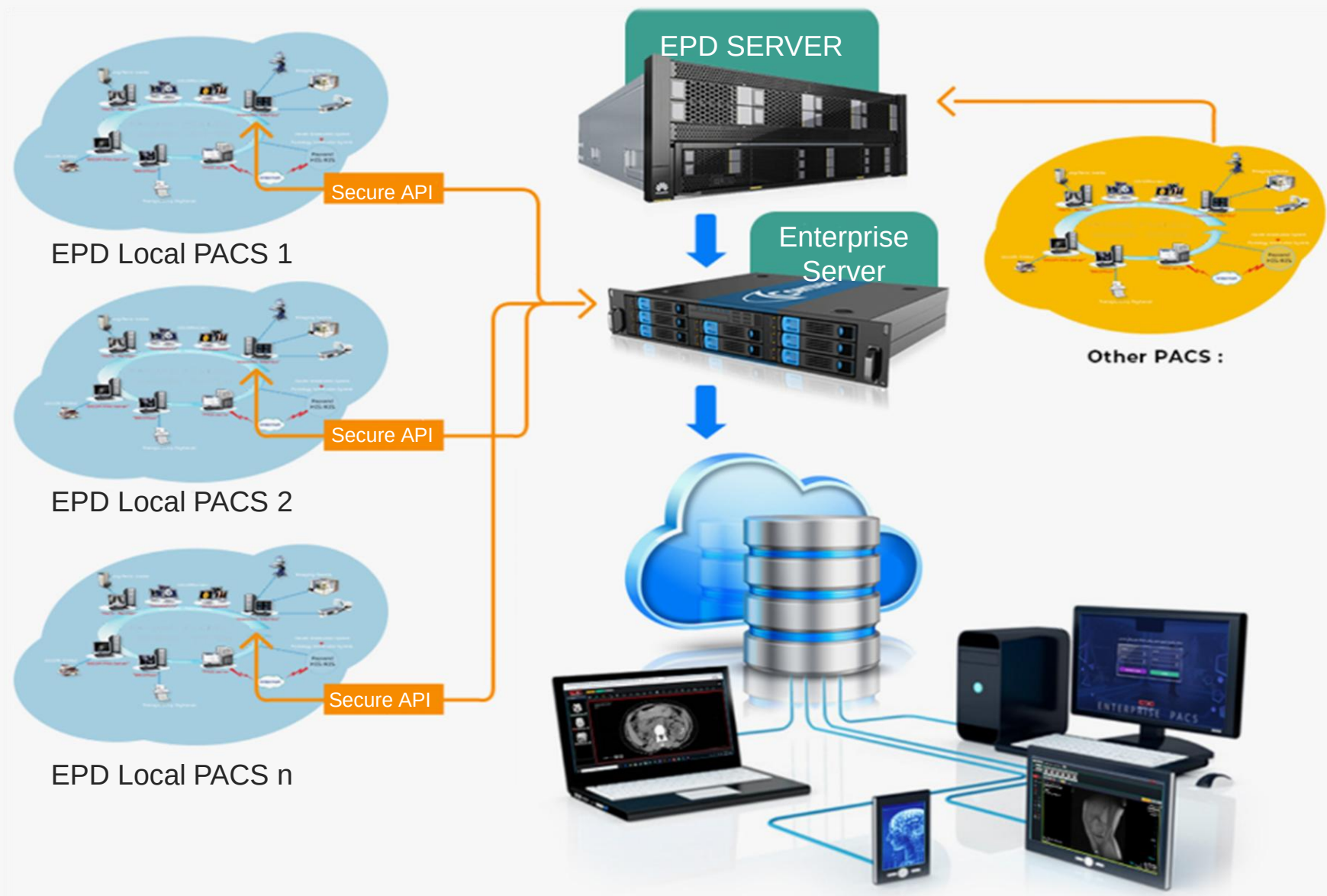
Type here to search

26°C 8:14 AM 9/15/2023

Enterprise PACS



How Enterprise PACS works



Some Extra Benefit of Enterprise PACS

- Integrated archive of all images in province or even country
- Access to all images of patient and reduce need of getting new images
- Better diagnosis especially in emergency
- No need for film & patient CD
- More stable and secure
- Reduce the total cost of hospitals and other radiology centers.

Question?