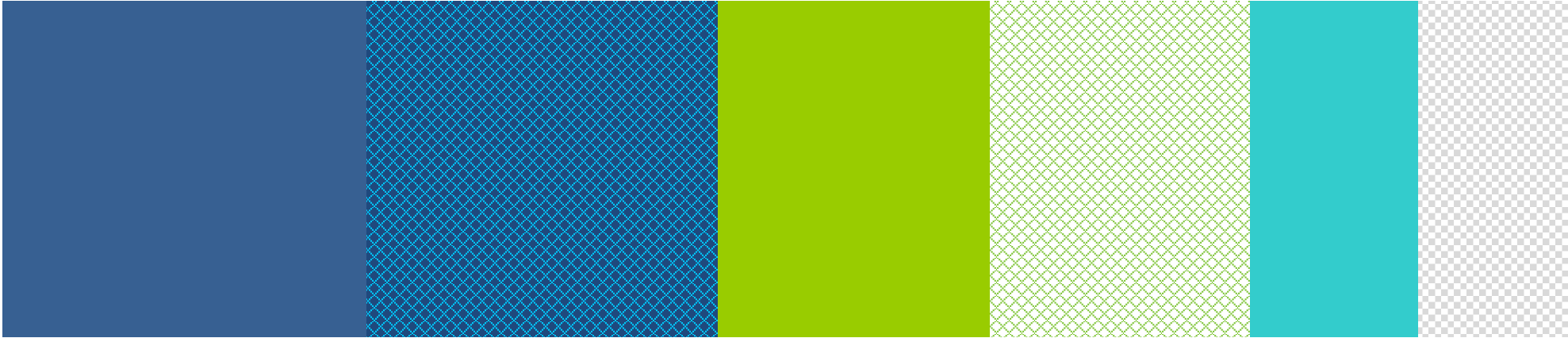


**DRGEM**

**GEMPACS**



# 1. GEMPACS Advantage

1. Optimized User Interface

2. Support Various Measurement tools

3. Optimized Report generation

4. Various Gateway for non DICOM modalities

5. Stable Product

6. Low maintenance cost

7. Proved over 3,000 install sites

8. Regular Update



Simple UX

UI Design

Worklist

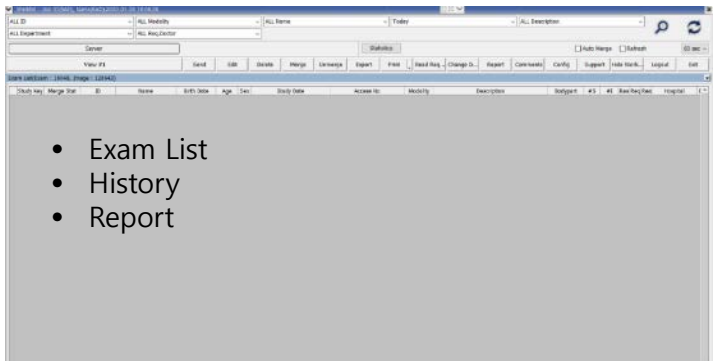
CD Export & Import

Report

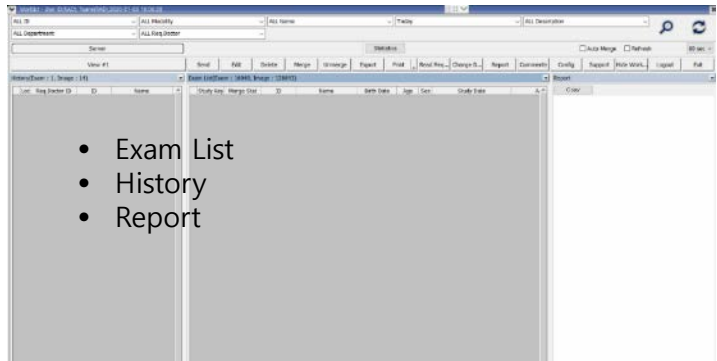
Setting Me

DICOM Gateway

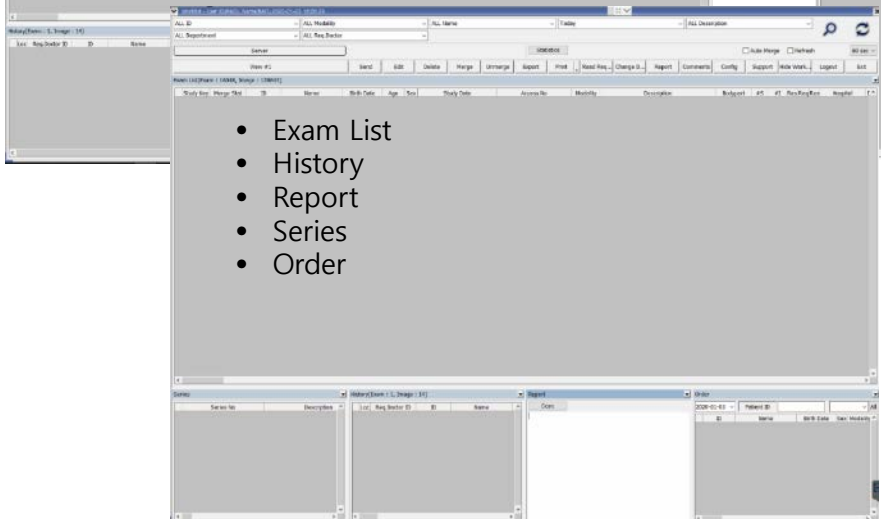
## Simple UX : Operator defined Worklist display and layout



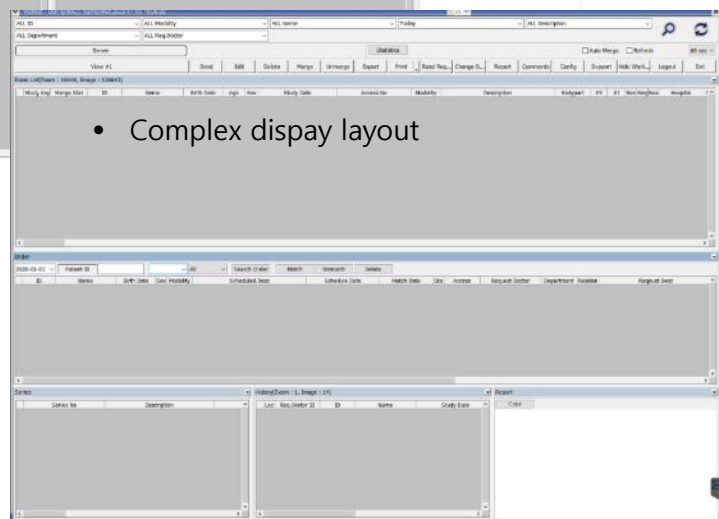
- Exam List
- History
- Report



- Exam List
- History
- Report



- Exam List
- History
- Report
- Series
- Order



- Complex display layout



Simple UX

UI Design

Worklist

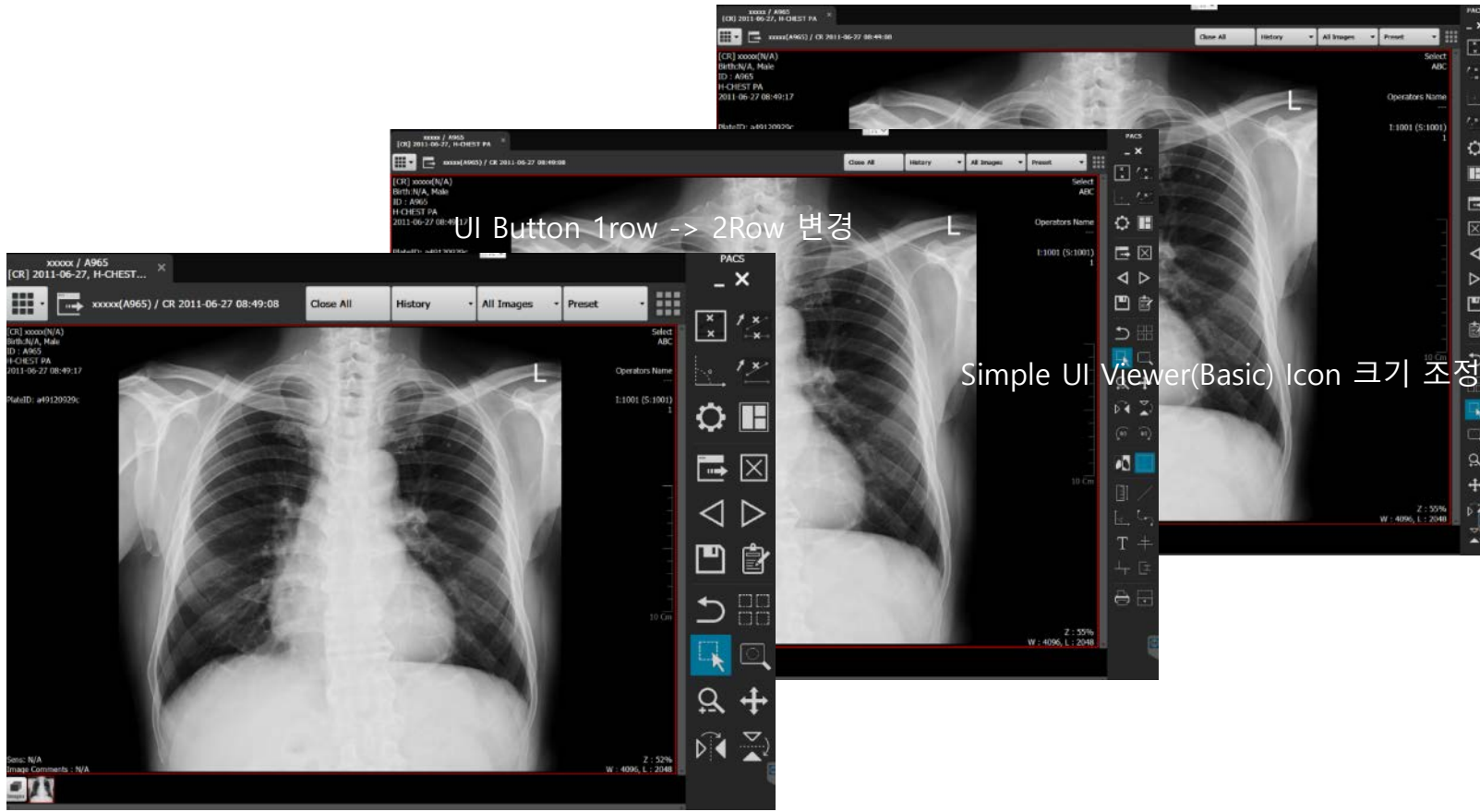
CD Export & Import

Report

Setting Me

DICOM Gateway

- Simple UX : Viewer Button Icon size and layout change





Simple UX

UI Design

Worklist

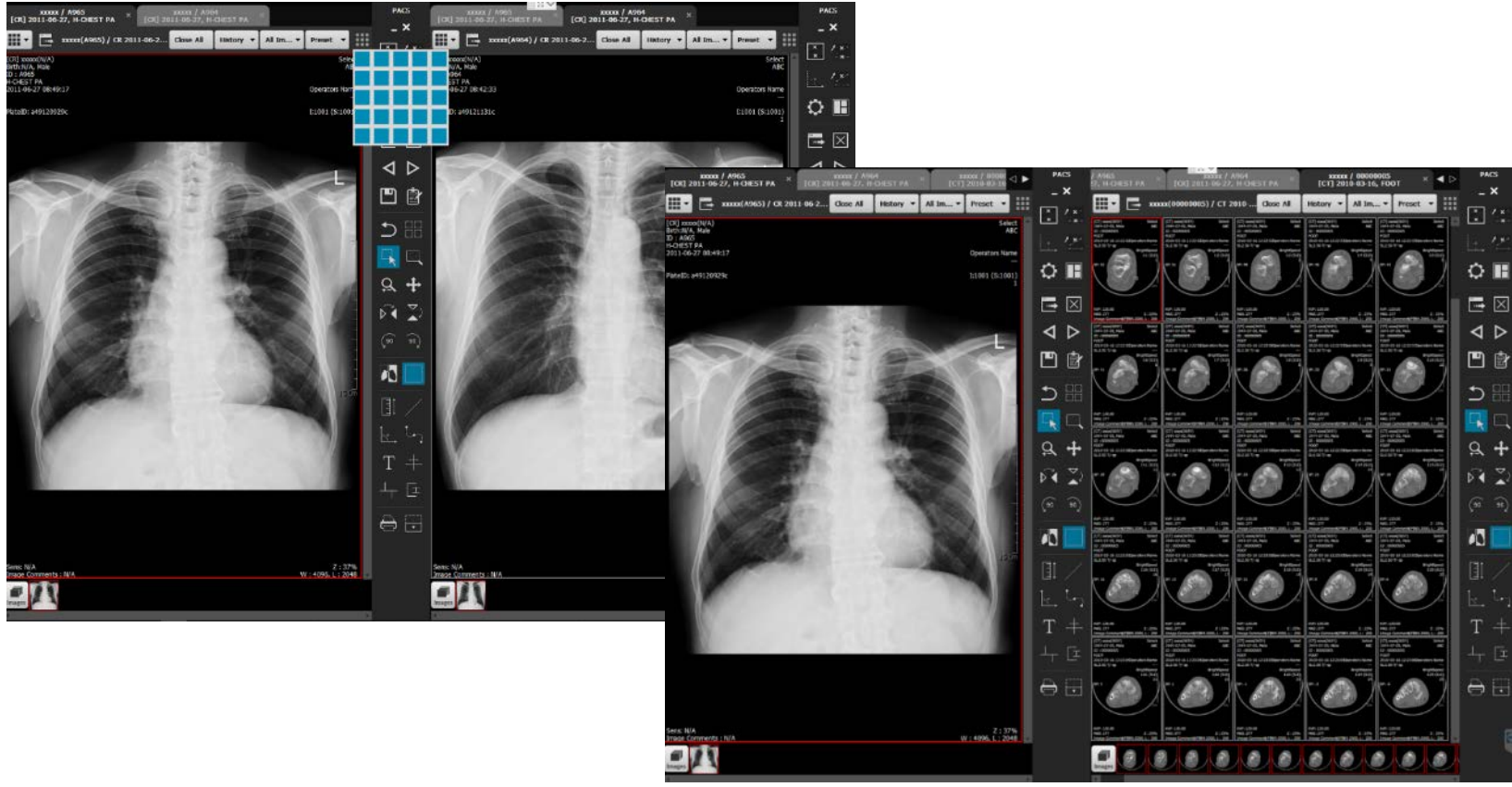
CD Export & Import

Report

Setting Me

DICOM Gateway

## Simple UX : Multiple Display Layout





Simple UX

UI Design

Worklist

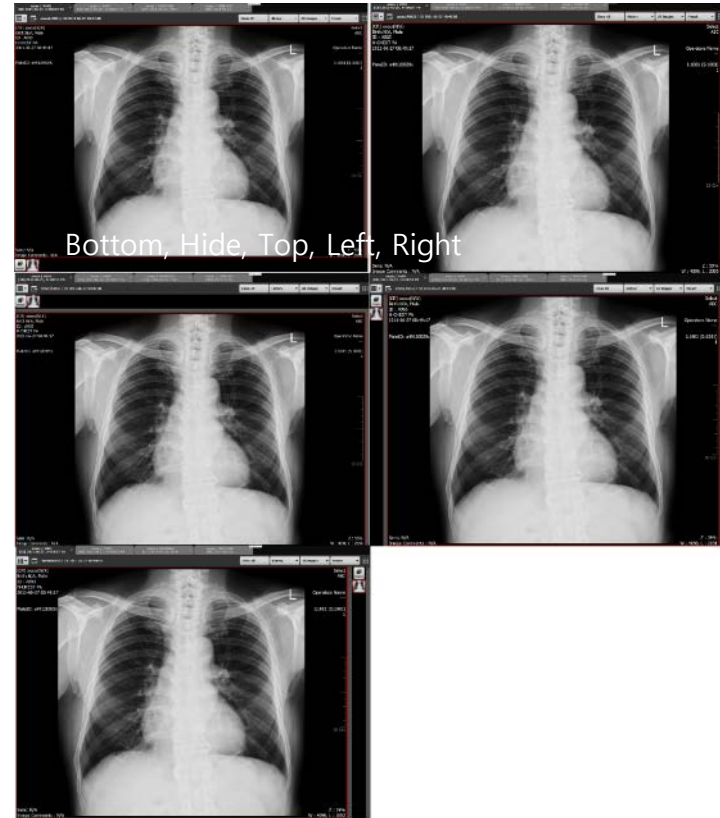
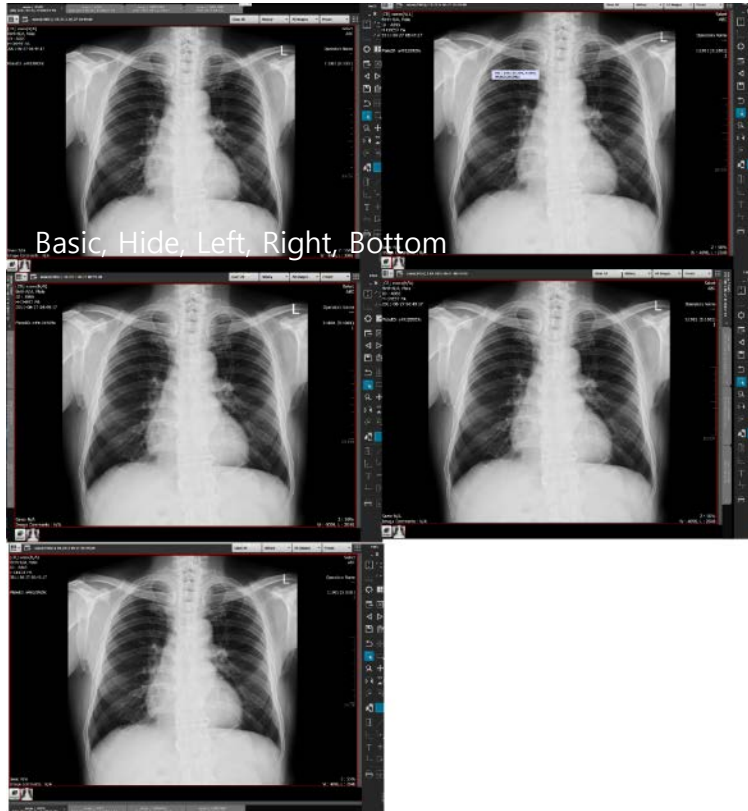
CD Export  
& Import

Report

Setting Me

DICOM  
Gateway

- Simple UX : Display Position change (Tab Position)





Simple UX

UI Design

Worklist

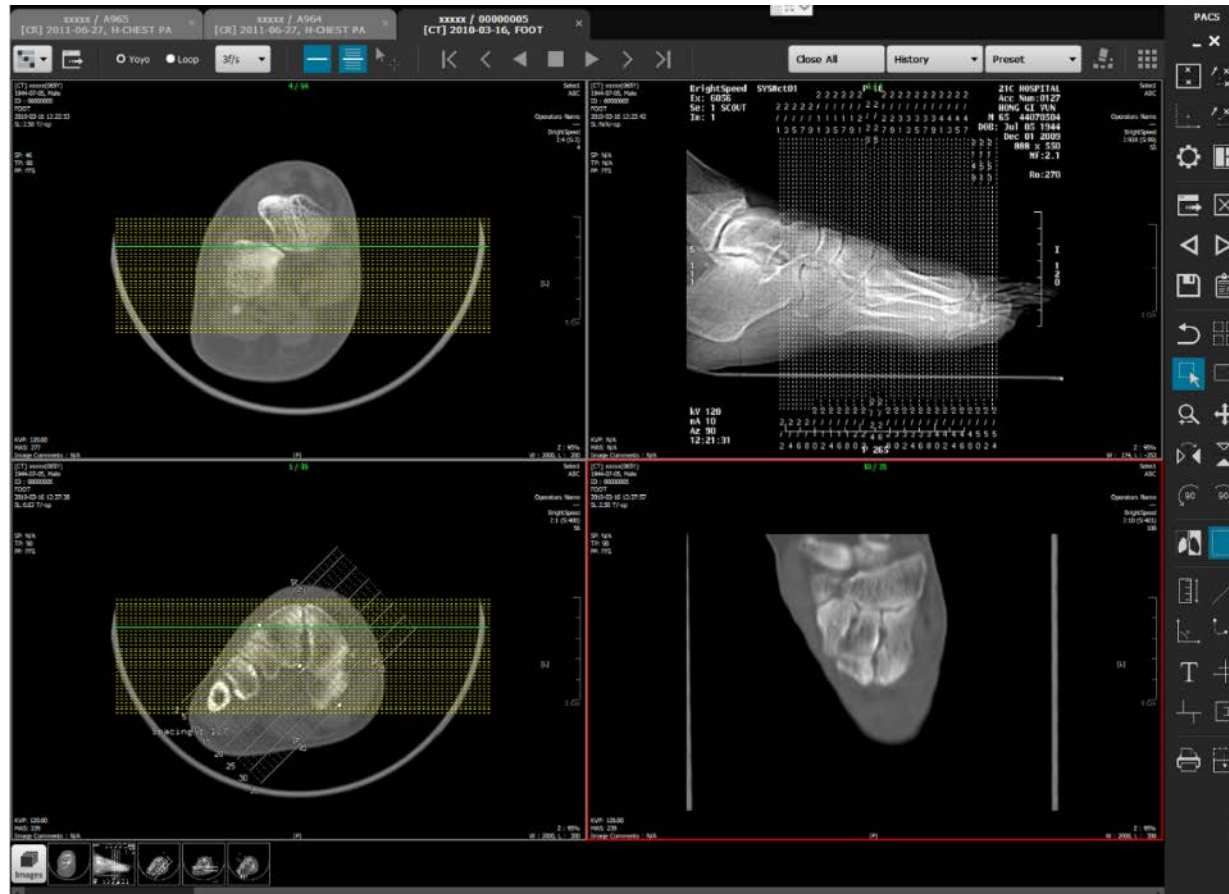
CD Export & Import

Report

Setting Me

DICOM Gateway

- Simple UX : CT & MR Stack View Mode(Stack)





Simple UX

UI Design

Worklist

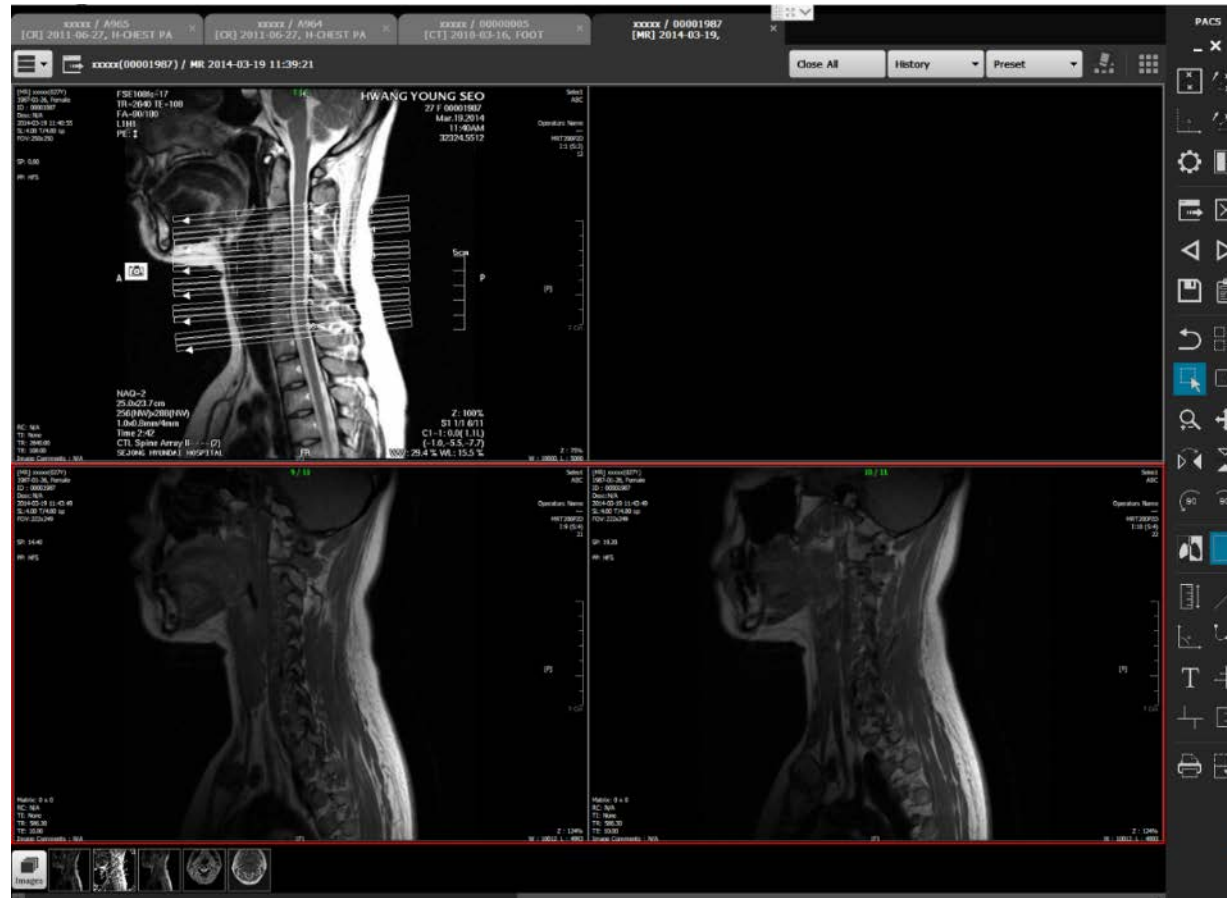
CD Export  
& Import

Report

Setting Me

DICOM  
Gateway

- Simple UX : CT & MR Series View Mode(Series)







- Simple UX
- UI Design
- Worklist
- CD Export & Import
- Report
- Setting Me
- DICOM Gateway

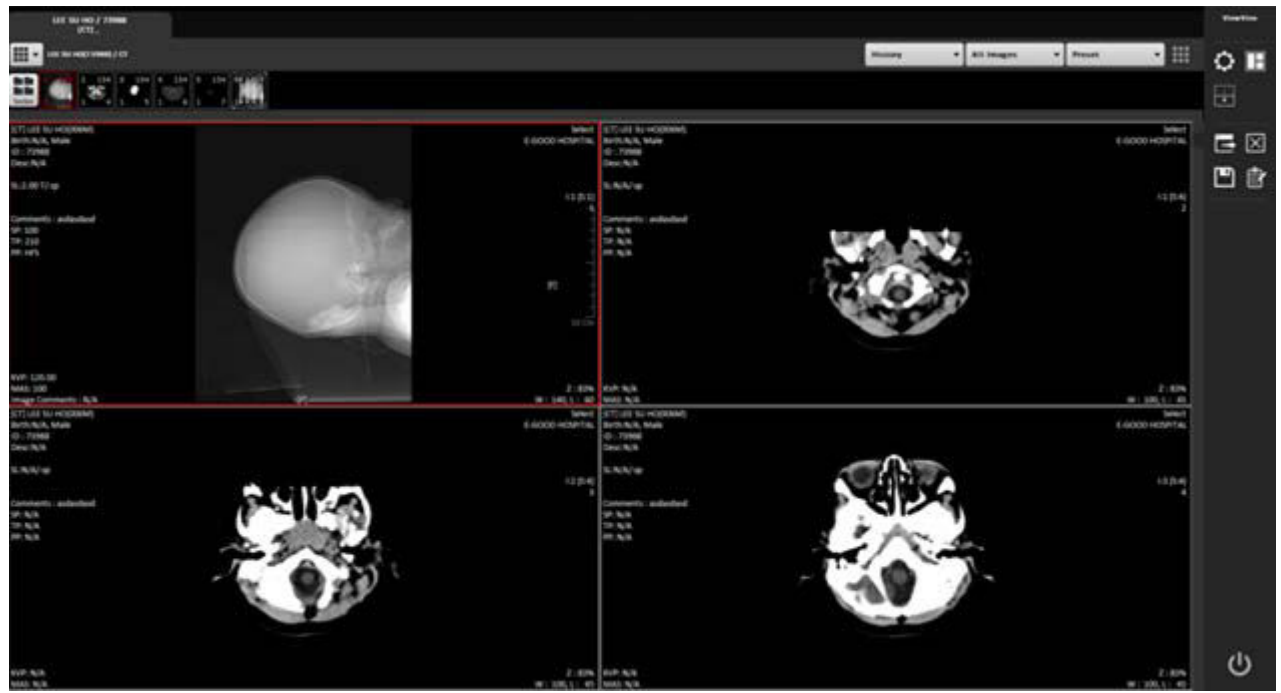
## Intuitive UI Design (1)





- Simple UX
- UI Design
- Worklist
- CD Export & Import
- Report
- Setting Me
- DICOM Gateway

## Intuitive UI Design (2)

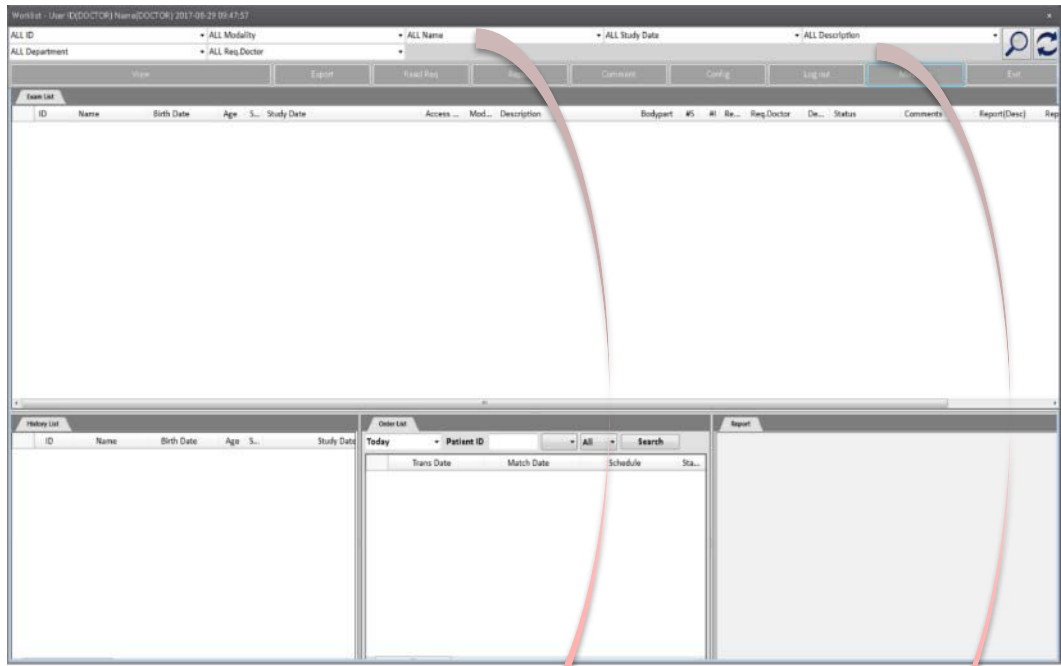


- Reference Selector
- Multi Reference Selector
- Mode
- Worklist
- Config
- Open(Files)
- Open(Directory)
- Delete
- Report
- Save
- Reset
- Select Mode
- Zoom
- Pan
- Magnify
- Invert
- Windowing to Series
- Transform
- Annotation
- Thumbnail Show/Hide
- Tag Show/Hide
- Show/Hide Overlay
- Header Viewer
- Image merge
- Image crop
- Convert
- Capture(Clipboard)
- Capture(File)
- Paper Print
- Series order



- Simple UX
- UI Design
- Worklist**
- CD Export & Import
- Report
- Setting Me
- DICOM Gateway

## ■ Convenient Worklist



ALL ID    ALL Modality    ALL Name    ALL Study Date    ALL Description  
ALL Department    ALL Request Doctor

View    Edit    Delete    Merge    UnMerge    Export    Read Req    Report    Comment    Config    Log out    Minimize    Exit



- Simple UX
- UI Design
- Worklist
- CD Export & Import**
- Report
- Setting Me
- DICOM Gateway

## CD Export (CD Burning) & Import

CD Burning List Information

Study Key	ID	#I	Bodypart	Description	Modality	Name	Study Date	File(s) Size(MB)
63	00000054	74	SPINE	Spine^000_L_C...	CT			37.532
57	000001	120		BRAIN	MR			25.1002
60	00000089	11		Abdomen USG	US			4.302
61	00000052	14		CARDIAC	US			157.36

Total Size 224.29 MB  Report

CDExport

Devies : H:\W [CDDVDW TS-H653TN]

Media Type :  Label : HIPACS CD

Data Size :  225.08 MB

Status :  Time Left : 00:00

CD 외부 CD 자동 등록 프로그램

현재 검사 | 이전 검사 | 옵션 | 전체 선택

번호	변경 건 ID	변경 ...	이름	병원명	촬영장비	등록일	CD-Rom 목록
1	6414981		HONG^SECK' ...	Uijong St. Mary' S Hosp	US	2005-11-	F: <input type="text"/> CD 검색

변경할 ID: 21313223

사용자 ID:

전송 목록

번호	이미지...	설명	촬영장비	촬영일	촬영시간
1	11	SONOGRAM L...	US	2004-07-26	09:27:06

로그

[12:48:57]CD가 F: 드라이브에 삽입되었습니다.  
 [12:48:57]시디 검색중  
 [12:48:57][1021\_2\_DIR]44528521  
 [12:48:57]레포트 파일을 찾지 못했습니다.  
 [12:48:57]11개의 DICOM File을 찾았습니다.  
 [12:48:57]검색 종료  
 [12:48:57]정보 등록 중입니다.  
 [12:48:57]정보 등록 완료



- Simple UX
- UI Design
- Worklist
- CD Export & Import
- Report**
- Setting Me
- DICOM Gateway

## Report

The screenshot shows a software interface for generating reports. It is divided into several sections:

- Header (A):** Patient information: Patient : 11111/00002/1992-12-15/M
- Exam Info (B):** Exam : 2016-02-11 오전 10:28:58/음외부cD모/CD/NONE
- Description (B):** A text area containing the word "test".
- Impression (C):** A text area containing the word "test".
- Recommend (D):** A text area.
- Comment for Predefine (E):** A text area.
- Doctor (F):** Doctor : DOCTOR
- Footer (G):** A row of buttons: Save, Delete, Print, Paste, Add Predefine, Close.
- Right Panel (M):** Configuration options:
  - After Save: None
  - Department: CLINIC
  - Modality: CR
  - Bodypart: ALL (with a checked "All" checkbox)
  - Refresh: Mine
- User List (S):** A table with columns: User, Comment, Description.

User	Comment	Description
1 DOCTOR		1. ddfdsfe.df
- Navigation (T):** A grid of buttons numbered 1 to 10.
- Actions (U, V, W):** Buttons for Insert, Append, and Delete.

# 2. Features



Simple UX  
UI Design  
Worklist  
CD Export & Import  
Report  
Setting Me  
DICOM Gateway

## Diverse Setting Menu for clinical environment

The 'Setting Me' menu is divided into several sections:

- Worklist Common Setting:** Worklist Auto Hide (On)
- List Visible Setting:** History (On), Report (On), Order (On)
- List Layout Setting:** List Theme (Office2010Black), List Layout Status (Reset)
- Font Setting:** Font Name (Calibri), Font Size (12)
- OCS Call Interface Setting:** Exam Open Type (Latest Exam(Max 5))

Dropdown options for the settings are as follows:

- Font Name:** Office2010Black, Aqua, Desert, Office2007Silver, Calibri, Calibri Light, Californian FB, Calisto MT, Cambria, Cambria Math
- Font Size:** 10, 11, 12, 13, 14, 15
- Exam Open Type:** Default, Latest Exam(Max 5), Latest 1 Exam, Worklist Only

The 'Search Display Setting' dialog box includes the following options:

- Search Field Option:** Duration (0), Date (ALL Study Date), Department (ALL Department), Request Doctor (ALL Request Doctor), Auto Fill Patient ID (0)
- Search Sort Option:** Sort By (ID), Sort Order (Ascending)
- Refresh Option:** User Refresh (ON), Refresh Timer (ON), Auto Timer Unit (10 sec)

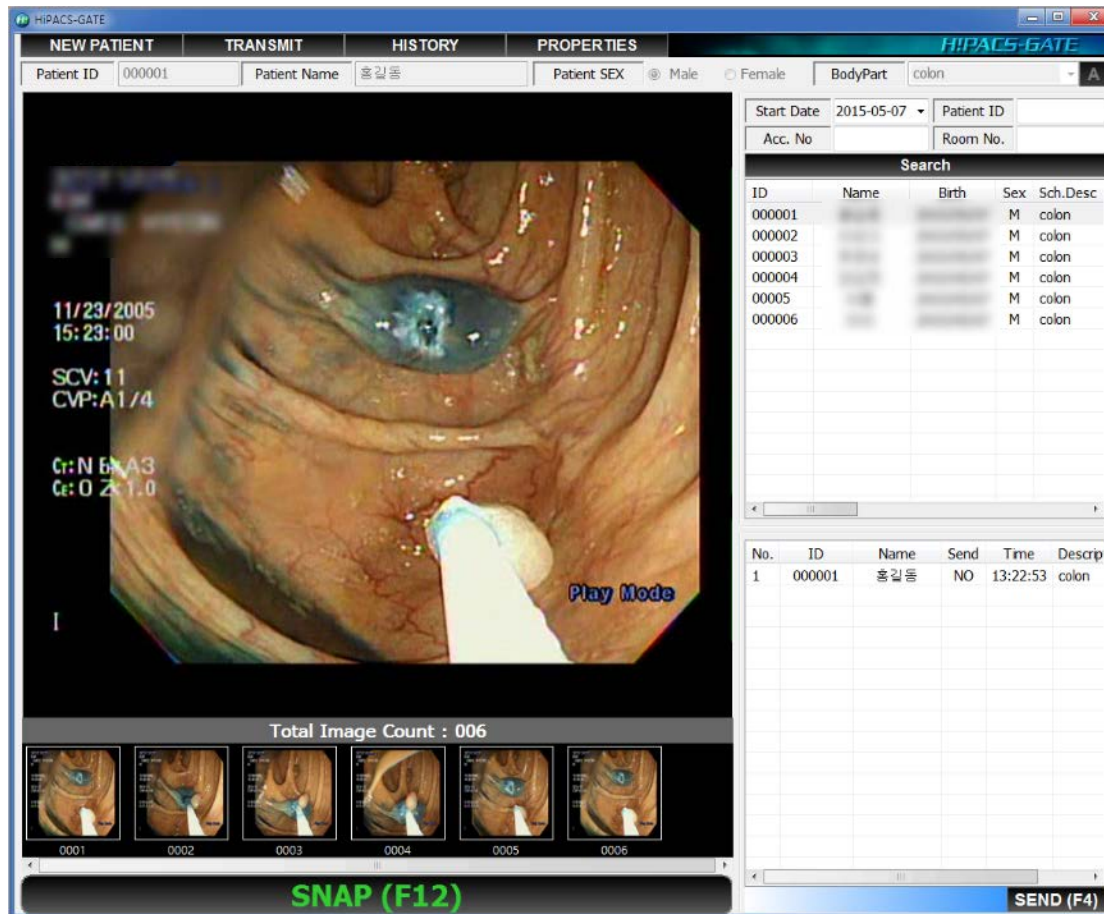
Additional dropdown options for the search settings:

- Date:** ALL Study Date, Today, Within Last 1 Day, Within Last 3 Day, Within Last 5 Day, Within Last 7 Day
- Request Doctor:** ALL Request Doctor, Read Req, Read Request
- Auto Timer Unit:** 10 sec, 30 sec, 60 sec, 300 sec, 600 sec
- Sort Order:** Ascending, Descending
- Study Date:** ID, Modality, Name, Sex, Birth Date



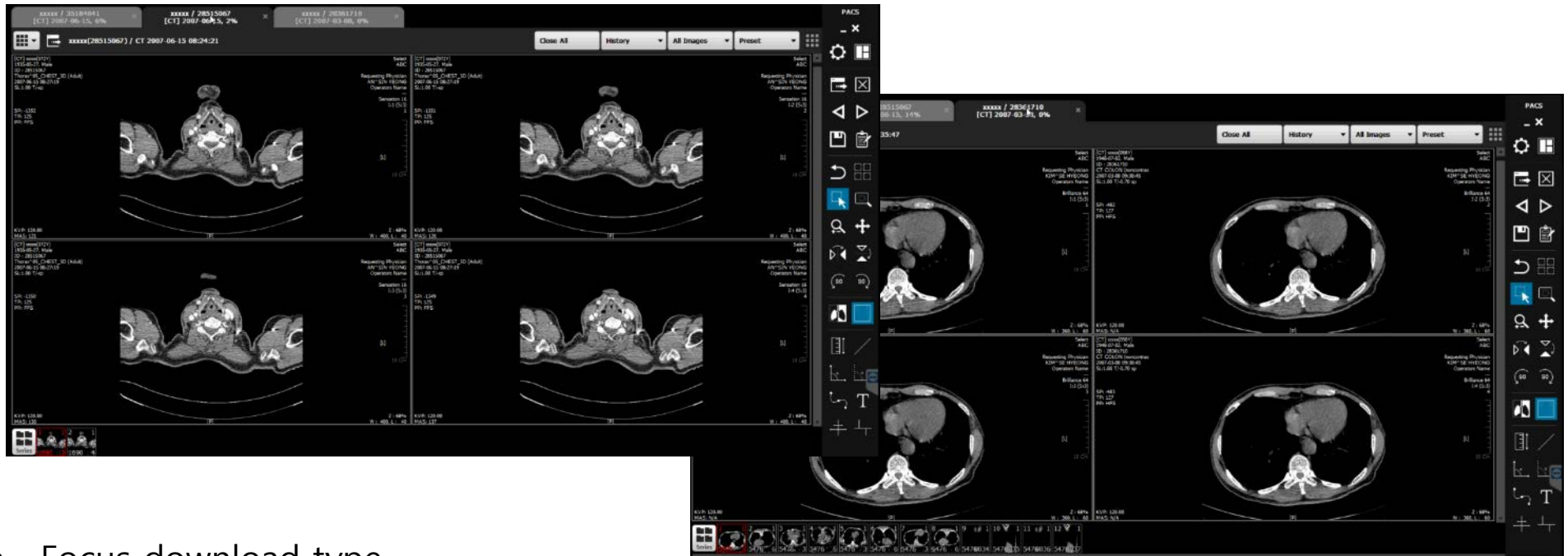
- Simple UX
- UI Design
- Worklist
- CD Export & Import
- Report
- Setting menu
- PICOM Gateway

- High resolution DICOM Gateway



# 3. Image Data Handling Features

- Jpeg 2000 Support



- Focus download type



- Server

Images : Support RAID 1 Mirroring and Triple Backup Storage

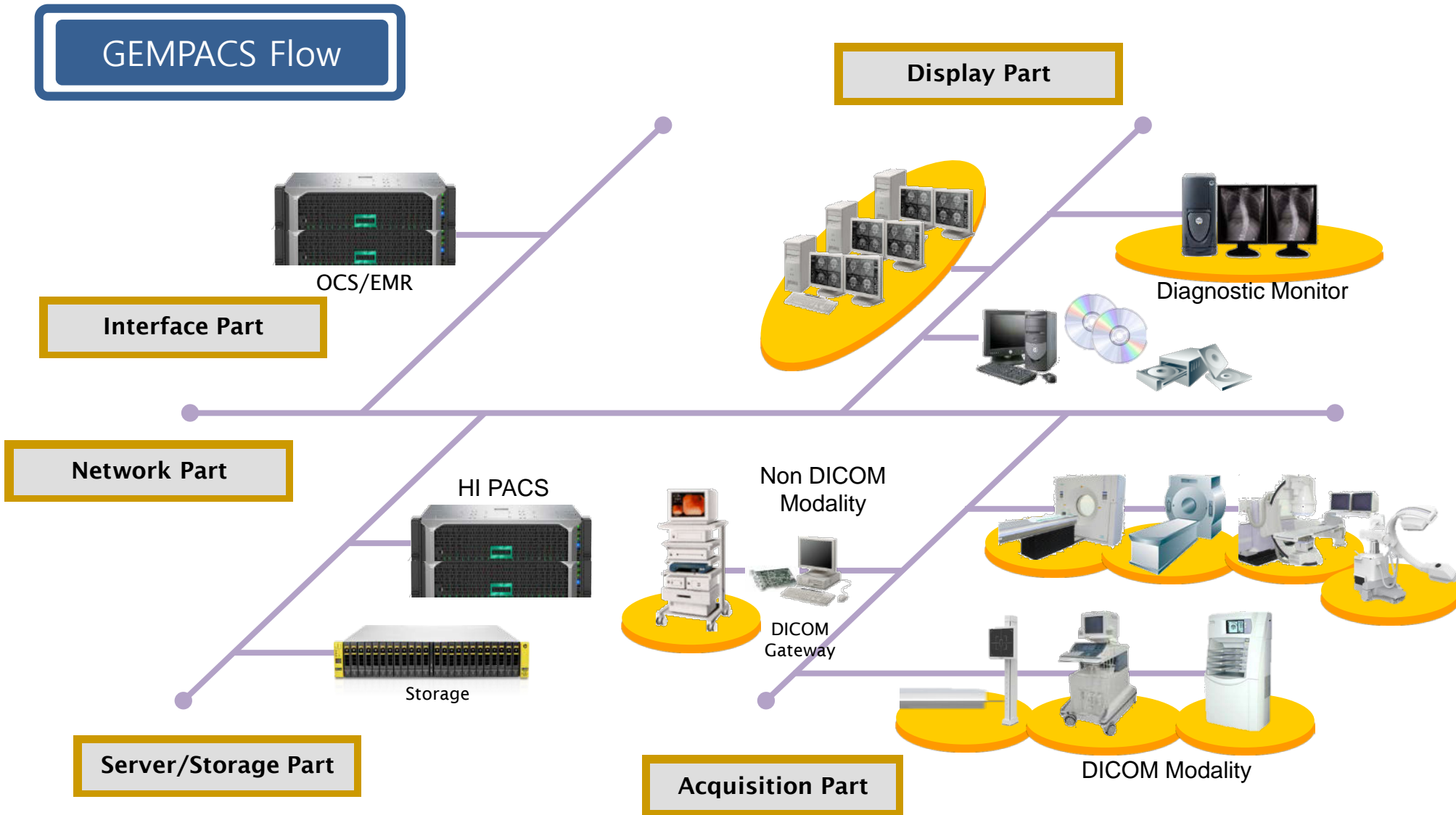
DB : Support the backup by 3/6/9/12 hrs interval and can be backed up at 3 different backup locations

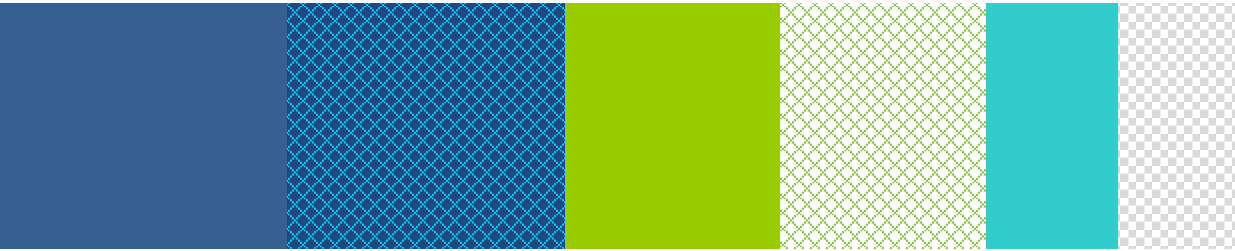
- Viewer

Neighborhood Loading type (secures memory safety)

Stable operation secured by continuous Feed backup & Patch & Update

# 5. System Flow Diagram





**Thank you**

