Trust Diagnostics

Products Catalog
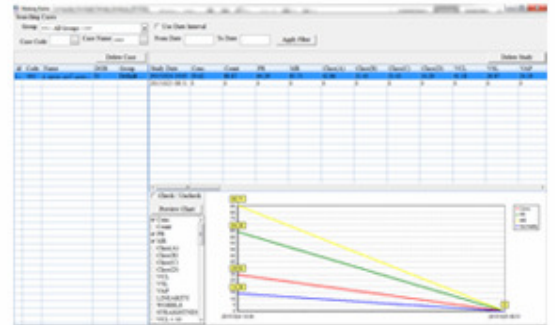
Trust Diagnostics

ECASA

A combination of hardware and software components to calculate the semen analysis parameters (count, motility, and morphology).
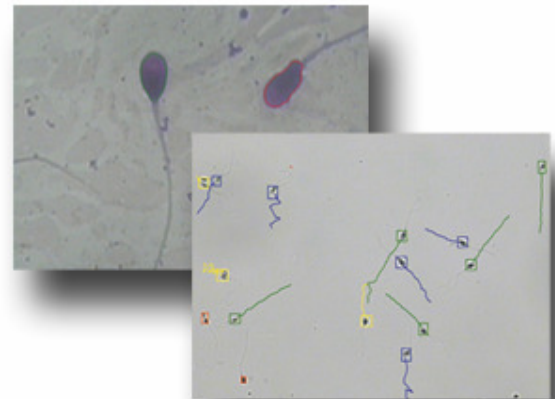Includes:
Microscope, CCD camera, head, video cables, video capture unit, and up to date computer with windows XP or later

* Huge database to organize data
  - Each case has basic data (name, age, etc) and contains several studies
  - Each study has a date with parameters, images, videos, and report
  - A searching tool to retrieve and review cases easily
  - A statistical tool to followup parameters values of studies with charts
  - Backup & Restore procedures

* Video stream receiver
  - Capture still images to calculate morphology
  - Record videos to calculate count, and motility

* Sample calculation
  - Case study can be saved to be calculated later
  - Automatic count, and motility calculation (one click)
  - Automatic head morphology calculation (one click)
  - Parameters can be manually updated
  - Sperms can be manually updated

* Reporting
  - Full customized header and footer design
  - Printed Report based on WHO standards
  - Report is supported by images, and charts

* CD burning room
  - A case study can be burned to a CD
  - CD will include images, and report
  - CD has a player to browse the study

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Medical Recorder

Overview

- An archiving system works as a second station for medical devices that has a standard video out.
- Suitable for medical procedures that include images and videos e.g. endoscope, ultrasound, and microscopic investigations
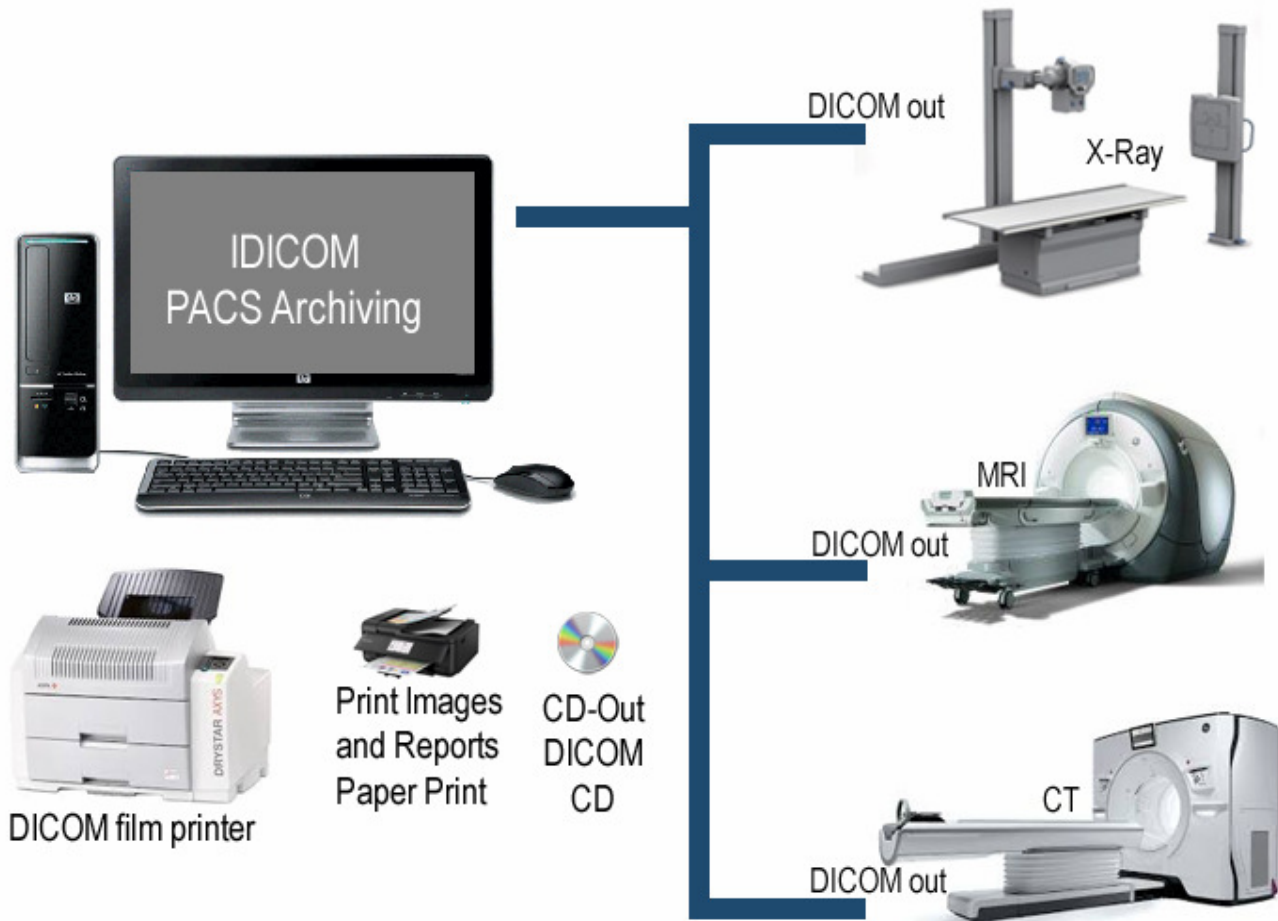

Microscope video-out

Ultrasound video-out

Endoscope video-out

Medical Recorder

Print Reports   CD-Out   Archive Patients

Specifications

- The Work station is extremely flexible, it can be prepared, and designed to meet all medical procedure
- Database to archive and organize data based on "case -> study" hierarchy
- Medical Imaging & videos will be saved and assigned to case studies
- Searching tool to retrieve and review cases easily and fastly
- Follow up parameters with date using charts
- Backup & Restore procedures
- Video stream receiver can receive 2 video sources at the same time
- Image capture during live streaming from the 2 video sources separately
- Video recording during live streaming from the 2 video sources separately
- Voice notes recorder and player
- Image processing toolbox for image enhancement, and filters
- Image annotations toolbox for drawing shapes on the image
- Video toolbox for merging and splitting videos
- Full customized header & footer design
- Report with or without images
- Images report
- Report templates to be used for studies
- CD burning room for making a study CD
- Studies can be exported to USB memory
- Web server for networking purposes to share multiple devices on a server

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IDICOM

Overview
- Full DICOM Viewer + DICOM server, works as a PACS with single reporting workstation

DICOM out — X-Ray

IDICOM PACS Archiving

MRI — DICOM out

DICOM film printer

Print Images and Reports Paper Print
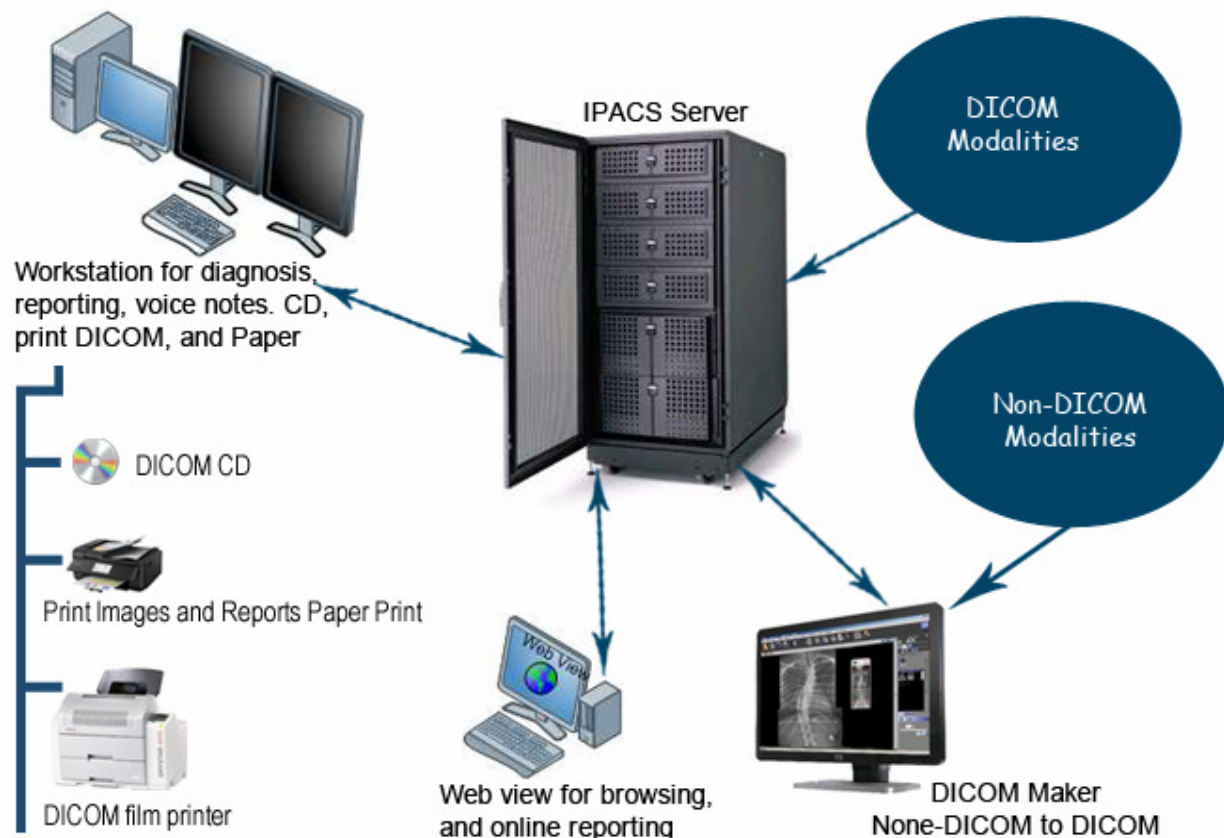
CD-Out DICOM CD

CT — DICOM out

Specifications
- DICOM server to archive DICOM studies from modalities
- Read and view DICOM files
- Read and view DICOM Directory
- Display images from different studies or examinations
- Displaying DICOM attributes of selected image
- Playing cine DICOM with various speeds
- Query/Retrieve DICOM studies from PACS
- Brightness/contrast control
- Zooming and panning DICOM images
- Reporting and voice notes for DICOM studies
- Export DICOM file to windows formats (jpg, etc)
- Export cine DICOM file to windows formats (TIFF, AVI, etc)
- Make DICOM Directory of DICOM studies
- Print DICOM images via paper printers and DICOM printers
- Send DICOM studies to PACS

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Overview

- Picture Archiving and Communication System
- Storing, query, retrieving, browsing, and reporting DICOM studies

Workstation for diagnosis, reporting, voice notes. CD, print DICOM, and Paper

DICOM CD

Print Images and Reports Paper Print

DICOM film printer

IPACS Server

DICOM Modalities

Non-DICOM Modalities

Web view for browsing, and online reporting
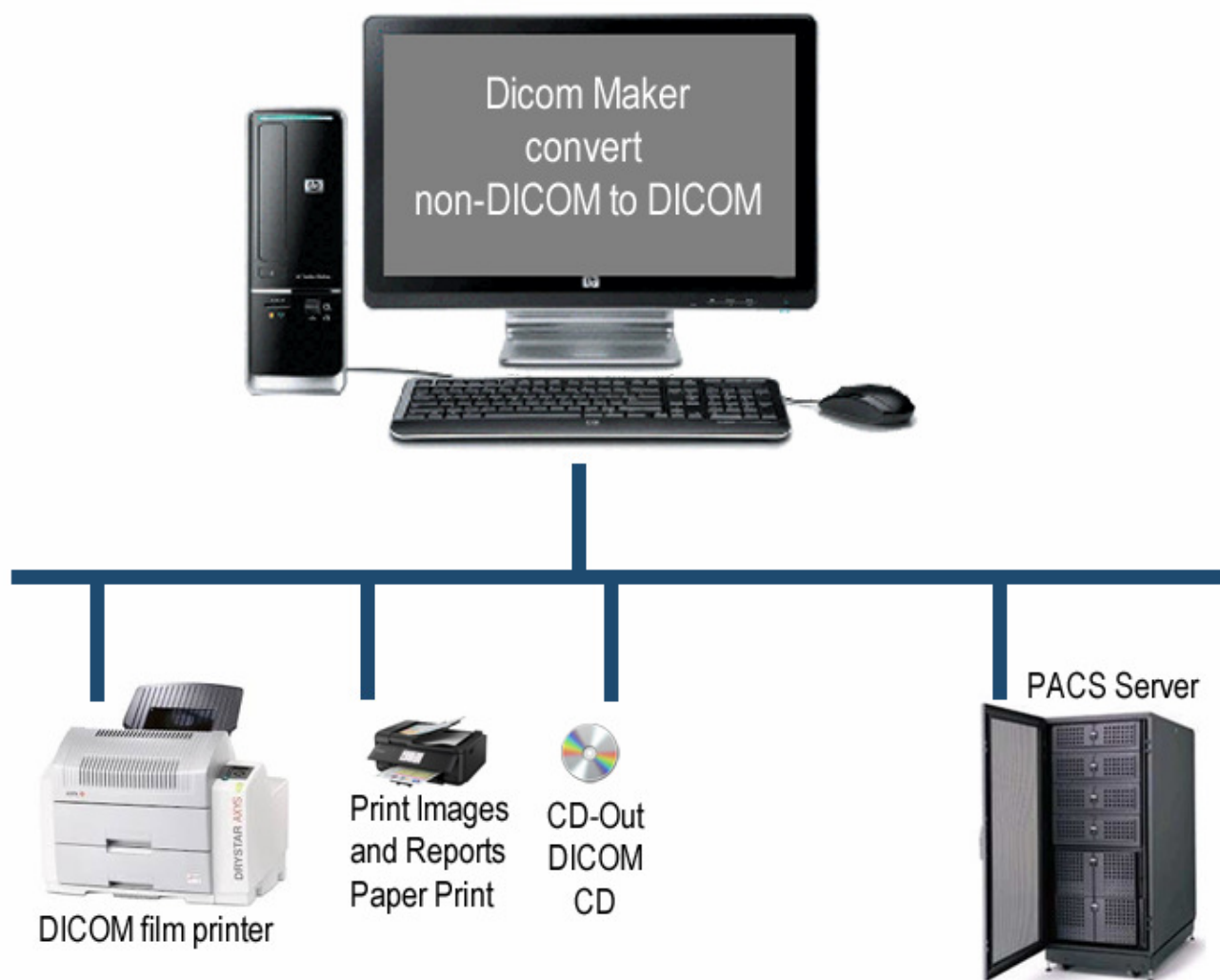
DICOM Maker None-DICOM to DICOM

Specification

- **IPACS Server**
    - DICOM server to receive DICOM messages from modalities (DICOM medical devices like MRI, CT...)
    - Archive DICOM studies with DICOM protocol hierarchy (Patient ==> Study ==> Series ==> Image)
    - Saving Reports typed with DICOM viewers and assign them to their studies
    - Response to query requests from DICOM viewers
    - Retrieve DICOM studies requested by DICOM viewers
- **IPACS web server**
    - A web server to enable the firm to browse the DICOM studies through a web browser
    - Can be configured with a fixed IP address to be accessed from anywhere
- **DICOM Viewer**
    - Query/Retrieve DICOM studies from IPACS
    - Browse DICOM studies in the DICOM hierarchy (Patient ==> Study ==> Series ==> Image)
    - Playing cine DICOM with various speeds
    - Brightness/contrast control, Zooming and panning DICOM images
    - Reporting for DICOM studies
    - Export DICOM file to windows formats
    - Make DICOM Directory of DICOM studies
    - Print DICOM images via paper printers and DICOM printers

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Dicom Maker

Overview
- Dicomizer tool to create DICOM studies from none-DICOM images

Dicom Maker
convert
non-DICOM to DICOM

DICOM film printer

Print Images
and Reports
Paper Print

CD-Out
DICOM
CD

PACS Server

Specifications
- Open any number of images and/or videos
- Set DICOM attributes to make the current project a DICOM study
- Generator will use the DICOM attributes with the images and/or videos to make a DICOM study
  the generator will convert the image to a single-frame DICOM file,
  the generator will convert the video and multi-frame image to a multi-frame DICOM file
- After generating the DICOM study The tool can browse the result DICOM files with DICOM function
- Send DICOM to PACS
- Send DICOM to DICOM printer

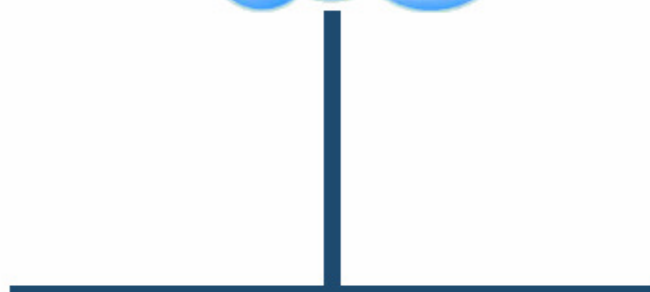# Trust Diagnostics

🌐 *__medicalplayer.com__*

Overview

- Online medical community web service to build medical imaging database in order to facilitate data interaction for sharing experience and performance enrichment, also the web service works as a cloud PACS with the ability of online reporting

Dicom Player
Medical Player

Upload medical imaging studies →

Request report from globals

medicalplayer.com

Make account and browse medical studies
Upload Reports for requested medical studies
Online chatting about each study to share experience

Specification

- www.medicalplayer.com
  - o Create account at medicalplayer.com to
  - o Browse medical studies
  - o Share experience with online chatting with specialists
  - o Writing and uploading report of requested studies diagnostics
- DICOM Player
  - o A complete DICOM viewer with the features of
  - o Sharing medical images via medicalplayer.com
  - o Make Report request of medical studies
  - o Download reports requested before
- Medical Player
  - o A workstation to collect none-DICOM medical images
  - o Sharing medical images via medicalplayer.com
  - o Make Report request of medical studies
  - o Download reports requested before