Over 10 years fulfilling the daily needs of clinicians and researchers

2004 collaboration agreement

Research knowledge    Radiology experience
To develop THIS
Radiological viewers are essential in the medical imaging workflow.
Radiological viewers are essential in the medical imaging workflow.
What is DICOM?

- Digital Imaging and Communications in Medicine
- Extensive medical imaging standard:
  - 21 parts
  - 145 MB of PDF’s
  - 6074 pages
  - 30.4 Kg of paper
  - 68.3 cm tall
The world according to DICOM
From slices to volumes

Study

CT

PET

3D Volume

Fusion volume
Starviewer technical information

- C++11
- Qt, VTK, ITK, GDCM, DCMTK, ThreadWeaver, Breakpad, easylogging++
- Qmake
- Multiplatform (Windows, macOS, GNU/Linux)
- x86 and OpenGL 3.2
- Multilanguage (ca, en, es)
- GPLv3+ since 2014
Core UI

Study management

Series export

DICOMDIR export

Configuration screen
Extensions

- Support general or specific workflows or features
- Currently 5 stable extensions
- New custom extensions can be easily created
- Static libraries
  - Recompile :(  
  - But could use LTO :)
- Both static and dynamic in the future

134 lines of C++
2D viewer extension
3D viewer extension
DICOM print extension
Demo
• contact@starviewer.udg.edu
• http://starviewer.org
• https://github.com/starviewer-medical/starviewer
• DICOM: https://www.dicomstandard.org/current/