M5L on-demand CAD Service

Piergiorgio Cerello (INFN)

M5L on-demand CAD Service

Aumomated lung nodule detection in chest CT scans
    Accessible via web interface front-end
    Cloud back-end
    Results in several formats (txt, pdf, xml, DICOM Chest)

Advantages
    No HW/SW installation @ health facilities using M5L
    easy to use

Features
    on-line annotation
    several possible extensions to the functionality

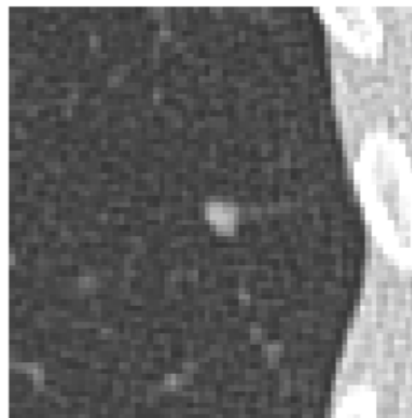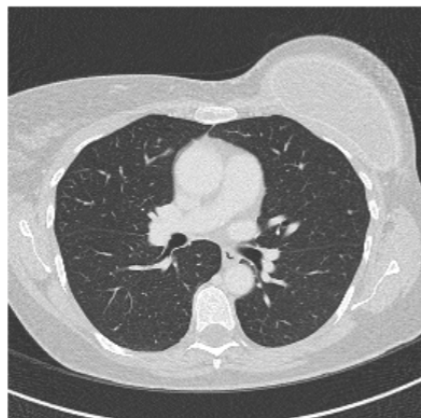Undergoing clinical validation @ IRCCS Candiolo
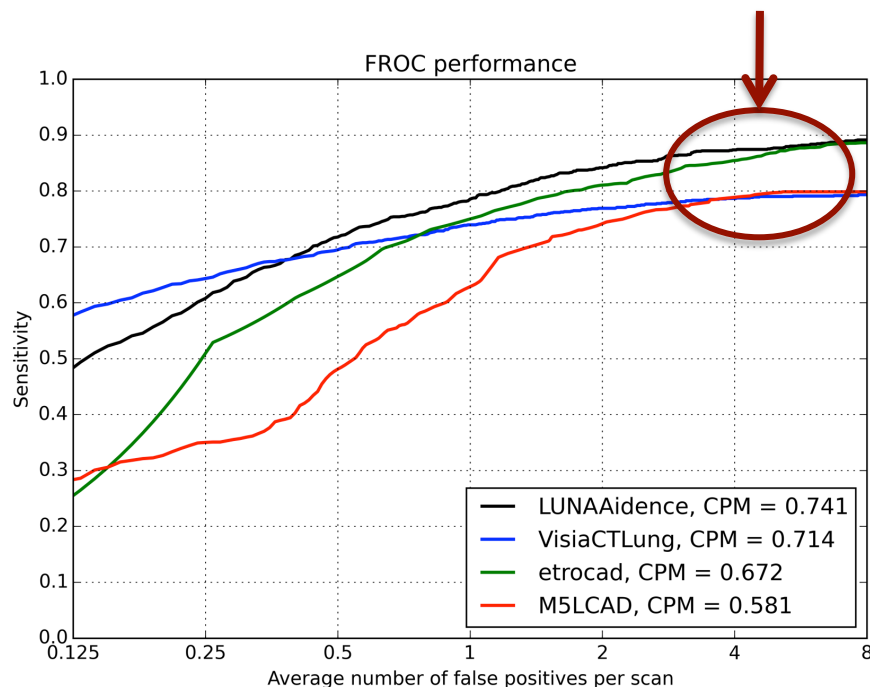
M5L on-demand CAD Service
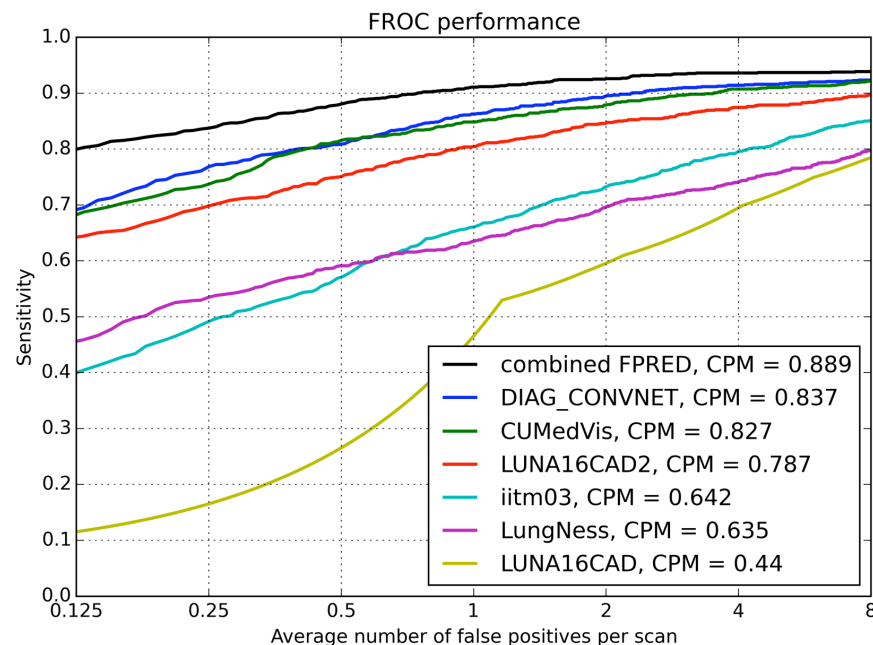
M5L on-demand CAD Service

LUNA16 international challenge: 888 scans

Single CADs performance

Radiologists work here

Combined FP reduction

Possible evolution:

- Startup to provide a commercial service in Italy/Europe