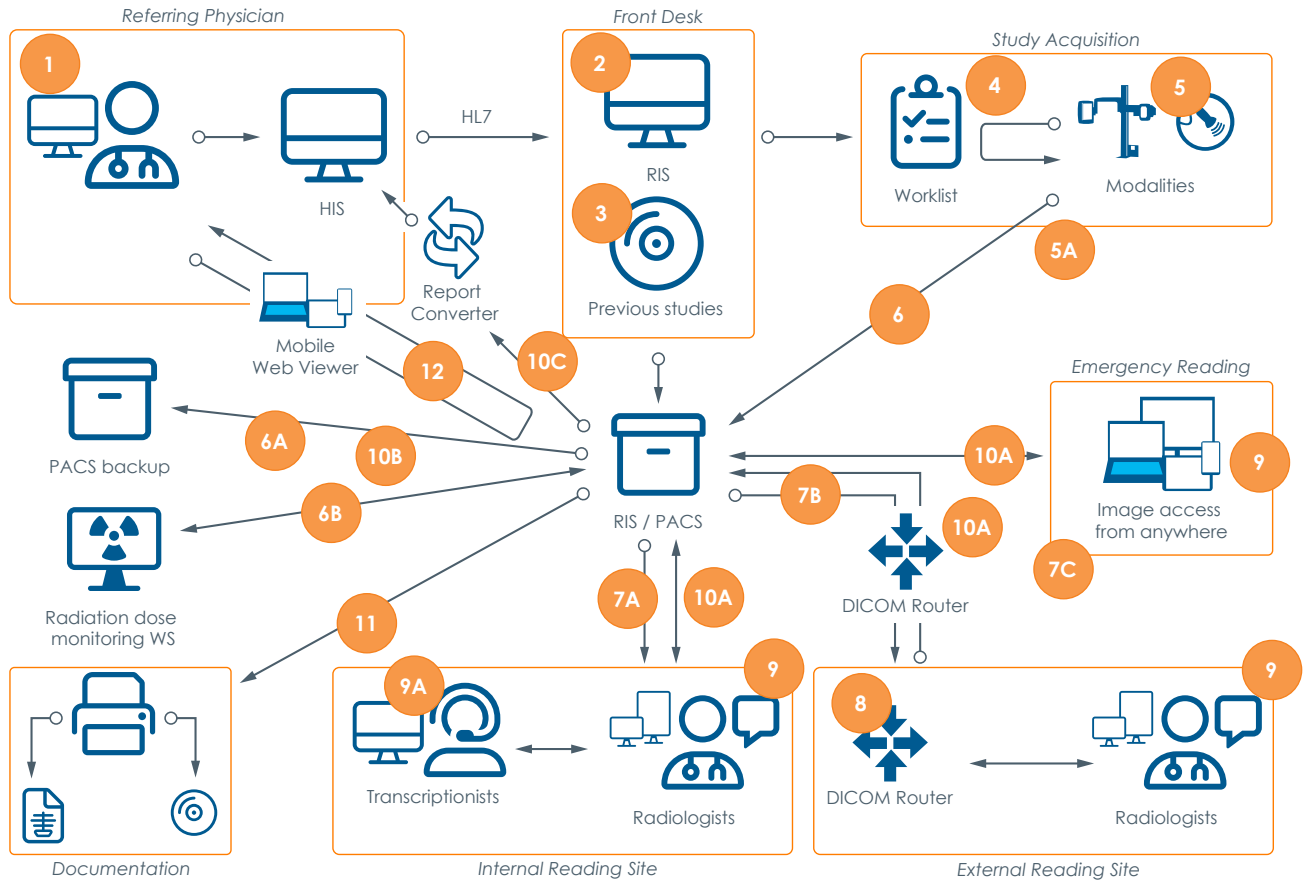# General Radiology Workflow

1   Physicians refer patients to the radiology department.

2   Scheduled patient arrives and delivers previous images and reports on CD/DVD.

3   The receptionist uploads previous studies to the PACS (**DICOMReader**).

4   Procedure data is provided by the DICOM Modality WL.

5   Modalities query the Worklist for patient demographics and study acquisition. Technicans have overview of workflow tasks (**iQ-RIS/iQ-WEB RIS**).

5A   Procedure documentation, e.g. contrast agent, radiation dose, etc.

6   Images are stored on **iQ-WEB** PACS Server.

6A   **iQ-WEB** sends a copy of all images to the backup PACS (another **iQ-WEB**).

6B   Radiation Protection Officer will be notified by **iQ-DOSE** in case an overdose is detected. Any intended or unintended overdose can be easily documented for legal and quality assurance reasons.

7A   **iQ-RIS /iQ-WEB RIS** provides reading list.

7B   **iQ-ROUTER** speeds up the distribution of DICOM images to external reading sites.

7C   During night shifts, **iQ-4VIEW** allows for emergency reading incl. structured reporting (SR).

8   The external Router receives the images and sends them to the corresponding workstation.

9
- Inhouse Radiologists receive images and create reports, using digital dictation or voice recognition.
- The external Radiologists read the images and create reports.
- The Radiologist on night duty performs emergency reading from home.

9A   Transcriptionists enter or correct the dictations.

10A   Reports are approved and sent back to the PACS for storage.

10B   A copy of the reports is sent to the backup PACS.

10C   The report converter makes DICOM SRs available for HIS.

11   Images and reports can be burned on CDs (**iQ-ROBOT**) or printed on paper (**iQ-PRINT**).

12   Referring physicians access studies online or directly from HIS/EMR (**iQ-WEB WADO**, on non-diagnostic mobile devices **iQ-WEB2GO**).