DICOM
Second Generation Radiotherapy
Supplement 199
RT Radiation Records
Following the introduction of four RT Radiation IODs in Supplements 175 and 176 that are used to define a radiotherapeutic “treatment plan” by providing device-specific treatment parameters, this Supplement provides the capability to record the treatments performed on the devices by introducing RT Radiation Record IODs along an RT Radiation Record Record Set. In addition, a RT Radiation Salvage Record is also added in cases where the device-specific recording failed or is not available. The RT Radiation Record IODs primarily re-use the macros and modules defined for the RT Radiation IODs.
RT Radiation Record IODs for recording modality-specific treatments:

- C-Arm Photon-Electron Radiation Record IOD
- Tomotherapeutic Radiation Record IOD
- Robotic Radiation Record IOD

An RT Radiation Record for manual recording:

- RT Radiation Salvage Record IOD

A Record Set IOD for recording the partial/complete delivery of a Treatment Fraction:

- RT Radiation Record Set IOD
2nd Gen Overview

**Supplement 199**
- RT Radiation Record Set
  - C-Arm Photon-Electron RT Radiation Record IOD
  - Tomotherapy RT Radiation Record IOD
  - Robotic RT Radiation Record IOD
  - RT Radiation Salvage Record IOD

**Supplement 176**
- Treatment Modalities
  - Tomotherapy RT Radiation IOD
  - Robotic RT Radiation IOD

**Supplement 175**
- Treatment Modalities
  - C-Arm Photon-Electron RT Radiation IOD
  - RT Radiation Set

**Generic Definitions for all RT Radiation IODs**
For details regarding the underlying RT Radiation concepts and description of the treatment modalities please review the presentations for Supplement 175 and 176.
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