

VirtualDose™ IR

VirtualDoseIR is a brand-new tool for estimating patient organ dose from Interventional Radiology procedures

Tracking patient dose from IR procedures

Use of IR in clinical applications continues to grow, and with it the magnitude of radiation dose received by patients. Long exposure times can subject patients to acute injuries to the skin and other tissues, but the large accumulated doses pose a long-term radiation risk that can be monitored and managed. VirtualDose provides an important tool to understanding and managing IR dose.

Selectable field size, kVp, filtration, position, and direction

Output defined by DAP or air kerma rate and time

Peak Skin Dose estimate

The same well-regarded family of Virtual Phantoms, including adults of various body sizes, overweight and obese adults, children, and pregnant patients

Visualization of the IR field on the phantom for each type of projection

Easy to use input pane

Dropdown menus for input parameters

VirtualDoseIR

Patient Phantoms: Adult Female - RPI

Field of View (cm): 20

Tube Voltage (kVp): 70

Filter Cu (mm): 0.1

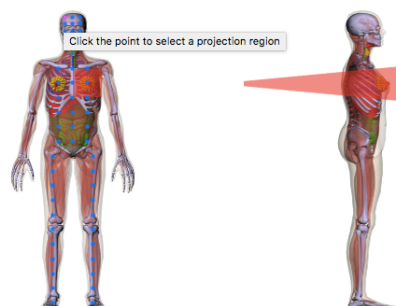
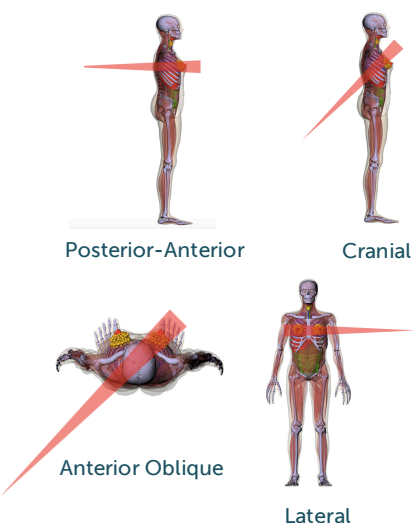
Dose Area Product (mGy-cm²): 15000

Organ Weighting Scheme: ICRP103 ICRP60

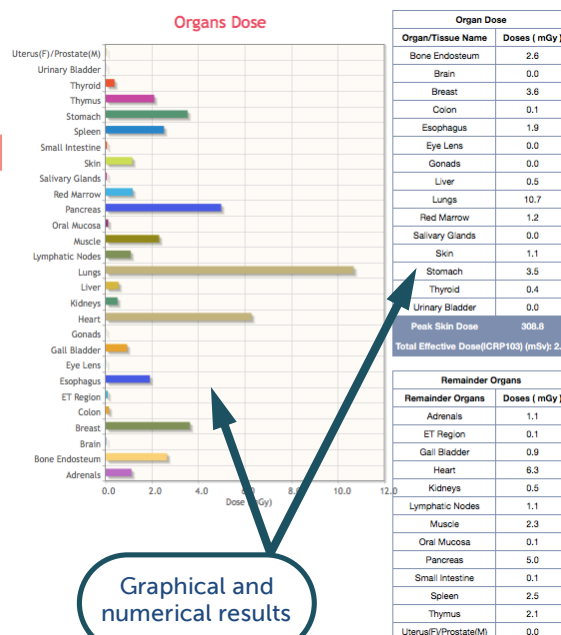
Calculate Dose

Create Report

Display or save to file



Beam localization in two orthogonal views



An Application Programming Interface (API) is also available for batch processing or integration with in-house software. Contact support@virtualphantoms.com to request the API guide and instructions

