

Fluoroscopy Safety Resources

VUMC Resources

- Contact VUMC Radiology (<https://www.vumc.org/radiology/medical-professionals/contact>) for consultation about a patient who has reached or exceeded one of the Substantial Radiation Dose Limits.
- VUMC Policy Diagnostic Imaging X-Ray Safety (<https://vanderbilt.policytech.com/docview/?docid=12133>)
- For help with questions about employee radiation exposure, contact Vanderbilt Environmental Health & Safety (<https://www.vumc.org/safety/>).
- VEHS Radiation Safety Links (includes fluoroscopy safety) (<https://www.vumc.org/safety/links/radiation-safety>)

IAEA Radiation Protection of Patients (<https://www.iaea.org/resources/rpop>)

- Training material (<https://www.iaea.org/resources/rpop/resources/training-material>)
- Radiation Protection Posters (<https://www.iaea.org/resources/rpop/resources/posters-and-leaflets>)
 - Radiation protection for children in interventional procedures (<https://www.iaea.org/sites/default/files/documents/rpop/poster-children-interventional.pdf>)
 - Radiation protection of patients in fluoroscopy (<https://www.iaea.org/sites/default/files/documents/rpop/poster-patient-radiation-protection.pdf>)
 - Radiation protection of staff in fluoroscopy (<https://www.iaea.org/sites/default/files/documents/rpop/poster-staff-radiation-protection.pdf>)

Image Gently (<https://www.imagegently.org/>)

- Educational Modules: Enhancing Radiation Protection in Pediatric Fluoroscopy (<https://www.imagegently.org/Procedures/Fluoroscopy/Pause-and-Pulse-Resources>)
- Interventional Radiology – Step Lightly Resources (<https://www.imagegently.org/Procedures/Interventional-Radiology/Image-Safely-Resources>)
- What Parents Should Know About Medical Radiation Safety in Pediatric Interventional Radiology (https://www.imagegently.org/Portals/6/Parents/Im_Gently_8pg_Eng_IR.pdf)

Image Wisely – Fluoroscopy (<https://www.imagewisely.org/Imaging-Modalities/Fluoroscopy>)

- Managing High-Dose Fluoroscopically Guided Interventional Procedures (S. Balter, 2014) (<https://www.imagewisely.org/imaging-modalities/fluoroscopy/articles/balter-managing-high-dose-fgi-procedures>)
- Checklists (<https://www.imagewisely.org/imaging-modalities/fluoroscopy/articles/huang-checklists>)

US

- FDA - Avoidance of Serious X-Ray Induced Skin Injuries to Patients During Fluoroscopically-Guided Procedures (<https://www.fda.gov/downloads/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/MedicalImaging/MedicalX-Rays/ucm116677.pdf>)
- National Cancer Institute - Interventional Fluoroscopy Reducing Radiation Risks for Patients and Staff (<https://www.cancer.gov/about-cancer/causes-prevention/risk/radiation/interventional-fluoroscopy.pdf>)

Monitoring and Tracking of Fluoroscopic Dose: CRCPD [Technical White Paper](#) and [Handout](#)

Articles – available to VUMC personnel through the Eskind Biomedical Library. To access some articles, you must be logged in to the VUMC network on campus or through the VUMC Virtual Private Network

(<https://www.vumc.org/it/vpn>).

- S. Balter, et al., Fluoroscopically Guided Interventional Procedures: A Review of Radiation Effects on Patients' Skin and Hair, Radiology:254, 2010, p. 326-341 (<https://pubs.rsna.org/doi/pdf/10.1148/radiol.2542082312>)
- T. Koenig, et al., Skin Injuries from Fluoroscopically Guided Procedures: Part 1, Characteristics of Radiation Injury, AJR:177, July 2001, p.3-11 (<https://www.ajronline.org/doi/10.2214/ajr.177.1.1770003>)
- T. Koenig, et al., Skin Injuries from Fluoroscopically Guided Procedures: Part 2, Review of 73 Cases and Recommendations for Minimizing Dose Delivered to Patient, AJR:177, July 2001, p.13-20 (<https://www.ajronline.org/doi/10.2214/ajr.177.1.1770013>)
- J. Steele, et al., Quality Initiatives: Establishing an Interventional Radiology Patient Radiation Safety Program, Radiographics:2012;32, p.277-287 (<https://pubs.rsna.org/doi/pdf/10.1148/rg.321115002>)