

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/?app=pt&source=unspecified&docid=35500>)
- For help with questions about employee radiation exposure, contact the Office of Clinical and Research Safety (<https://www.vumc.org/safety/>).
- OCRS 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/media/74894/download>)
- 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](#)

Journal 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 VPN (<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/rq.321115002>)