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**Guest Editors**

Amy B. Reed, MD, Lois A. Killewich, MD, PhD, and Kellie R. Brown, MD

### Introduction

Amy B. Reed, MD, Chair, SVS Women’s Leadership Committee, *Hershey, Pa*

### The history of radiation use in medicine

Amy B Reed, MD, *Hershey, Pa*

### Radiation physics

Britt H. Tonnessen, MD, *Charleston, SC; and San Antonio, Tex*

### Factors affecting radiation injury

Lois A. Killewich, MD, PhD, Garietta Falls, MD, Tara M. Mastracci, MD, *Galveston, Tex; Amherst, Mass; Cleveland, Ohio; and Milwaukee, Wisc*

### Acute and chronic radiation injury

Kellie R. Brown, MD, *Milwaukee, Wisc; and Lebanon, NH*

### Prevention of radiation injury from medical imaging

Erica L. Mitchell, MD, *Portland, Ore; and Manchester, NH*

### Radiation exposure and pregnancy

Palma Shaw, MD, Audra Duncan, MD, Ageliki Vouyouka, MD, *Boston, Mass; Rochester, Minn; and New York and Albany, NY*

### Radiation exposure in endovascular procedures

Erika R. Ketteler, MD, MA, *Albuquerque, NM; and Milwaukee, Wisc*

### Radiation exposure of vascular surgery patients beyond endovascular procedures

Wei Zhou, MD, *Stanford, Calif*

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**Cover Image:** Madame Marie Curie bust at the Polish Cultural Garden in Cleveland, Ohio. Image reproduced with permission from ClevelandPeople.Com.

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Governmental regulations and radiation exposure
Lois A. Killewich, MD, PhD, and Terrell A. Singleton, MD, Galveston, Tex

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