
Foreword: *Radiology* Select Volume 4—*Breast Cancer Screening*

Dear *Radiology* Select Reader:

The past 2 years since the introduction of *Radiology* Select have flown by. Initial volumes were about clinically important topic areas of lung nodules, stroke, and imaging of coronary artery disease. The fourth volume in the *Radiology* Select series: *Breast Cancer Screening*, follows a similar format to our prior compilations. Breast cancer screening is a topic that has engendered a large amount of research, as well as public interest. Research in this area spans from long-term population-based outcome studies, which clearly demonstrate the benefit of breast cancer screening, to research on improvements in diagnosis with digital mammography and computer-aided diagnosis, to studies on newer technologies such as tomosynthesis and breast-specific gamma imaging.

We chose Constance D. Lehman, MD, PhD, to be the guest editor of this volume given her reputation as a breast cancer researcher and her involvement in multiple impactful studies on breast imaging. Dr Lehman had the difficult task of reviewing original research and review articles recently published in *Radiology* and selecting among them for inclusion in this compilation. We are limited to the number of articles we can include to have a compilation of reasonable size; therefore, the final list of articles is, of necessity, somewhat subjective. The contents of this volume reflect a somewhat personal view of those that are the key articles and are not the result of a quantitative determination. Furthermore, it must be recognized that *Radiology* has published many more fine articles on the subject area than can be condensed into this 34-article volume. Some excellent and clinically important articles, therefore, had to be passed over and not included.

We believe that this collection of key articles will be a valuable resource for breast imagers and other providers of women's healthcare. Having the key articles together will allow the reader to identify the relationships between articles and to follow the development of trends in breast screening and breast cancer diagnosis research over time.

Continuing medical education (CME), in the form of CME credits as well as self-assessment CME (SA-CME) and self-assessment modules (SAMs), is an important aspect of clinical practice in radiology. Recent American Board of Radiology diplomates, in addition to needing CME, also need SA-CME for recertification. We believe that *Radiology* Select offers a perfect vehicle to provide up-to-date SA-CME to our readers and will help them better understand how research

evolves and translates into clinical practice. Therefore, Dr Lehman has identified key themes of the articles, grouped them by subject area, and indicated the subject areas that she thinks are be valuable as SAMs. The articles' corresponding authors are then contacted and asked to supply questions for CME and SAMs. In this volume, readers can obtain up to 15 SAM/15 SA-CME credits, allowing for focused learning in subject areas of clinical importance.

The online era provides multimedia opportunities for publications. We exploit this capability by providing audio and video conversations with authors to explore their views on the effect of their work and the work of others in the field with the benefit of hindsight. These conversations also allow experts to share their thoughts on future developments and the impact of their work on these. In this volume of *Radiology* Select, Dr Lehman has conversations with several groups of authors to discuss the pertinent topics in *Breast Cancer Screening*.

In keeping with the trend of increasing reliance on electronic publishing, we are offering *Radiology* Select in three formats: HTML on the Internet, a digital tablet edition, and print on demand. Print on demand is a printed compilation of the articles for those who prefer reading hard copy. The tablet edition is an electronic multimedia document that combines the electronic articles with audio and video; the articles have been formatted to allow viewing on tablet computers such as the Apple iPad and the numerous Android-powered devices. Images can be resized and compared in this format. We also offer an HTML version for viewing with a Web browser. Individual PDFs can be downloaded, and readers can listen to and view the audio and video conversations. The CME and SAM activities are available only through the online version.

We thank Dr Lehman for reviewing and selecting the articles collected in this volume. We are especially grateful to the authors of the articles, without whom *Radiology* Select would not be possible.

We believe *Radiology* Select will prove to be of educational value to our readers.

Sincerely,

Deborah Levine, MD, Series Editor, *Radiology* Select

Herbert Y. Kressel, MD, Editor, *Radiology*



Video

Online Education Edition and Tablet Edition of *Radiology* Select include a video with series editor Deborah Levine, MD.