Foreword
Oncology Imaging: Updates and Advancements

This issue of the Surgical Oncology Clinics of North America focuses on updates and advancements in oncology imaging.

Imaging plays a pivotal role in the multidisciplinary treatment of virtually every single patient with patient. In fact, the use of imaging can be argued to form the basis of almost every clinical decision: screening, diagnosis, operative/treatment planning, assessment of response, as well as ongoing surveillance. Recent advances in imaging have involved improved technology and techniques related to cross-sectional imaging, as well as novel applications of functional imaging and the merging of therapeutics with targeted imaging agents. Future advances in imaging hold the promise of further integration of morphologic, structural, metabolic, and functional information to assist in clinical decision making, as well as application of novel radiomic data to inform cancer care. As imaging modalities and technology have evolved, so have our need to understand better how to integrate these new tools into clinical practice. In particular, the surgeon plays a central role in the use and application of imaging as related to the patient with cancer. As such, I am grateful to have Natalie S. Lui, MD, MAS as the guest editor of this important issue of Surgical Oncology Clinics of North America. Dr Lui is assistant professor at Stanford University School of Medicine. Dr Lui studied physics as an undergraduate at Harvard before attending medical school at Johns Hopkins. She completed a general surgery residency at the University of California San Francisco (UCSF), which included 2 years of research in the UCSF Thoracic Oncology Laboratory and completion of a Master’s in Advanced Studies in clinical research. Dr Lui went on to hold a fellowship in Thoracic Surgery at Massachusetts General Hospital, during which time she participated in visiting rotations at Memorial Sloan Kettering and the Mayo Clinic. Dr Lui’s surgical practice consists of general thoracic surgery with a focus on thoracic oncology and robotic thoracic surgery. Her research interests include intraoperative molecular imaging for lung cancer.
localization, increasing rates of lung cancer screening, and using artificial intelligence to predict lung cancer recurrence. As such, Dr Lui is imminently qualified to be the guest editor of this important issue of *Surgical Oncology Clinics of North America*.

The issue covers a number of important topics that focus on state-of-the-art imaging updates across a wide range of oncologic diseases. In particular, an extraordinary team of experts detail various imaging updates related to tumors, including breast cancer, malignant glioma, parathyroid disease, and, among others, neuroendocrine tumors. In addition, other important topics that are relevant to surgeons, such as intraoperative molecular imaging, intraoperative ultrasound, as well as 3D reconstruction and printing to aid in surgical planning, are covered.

I wish to express my sincere gratitude to Dr Lui for her work to identify such a wonderful group of oncology leaders with expertise in cancer-related imaging to contribute to this issue of *Surgical Oncology Clinics of North America*. This team of authors has done a masterful job emphasizing the important and relevant aspects of imaging in cancer care. I know that this issue of *Surgical Oncology Clinics of North America* will serve trainees and faculty well in acquainting them with the latest up-to-date data on oncology imaging. I would like to thank Dr Lui and all the expert authors again for an outstanding issue of the *Surgical Oncology Clinics of North America*.

Timothy M. Pawlik, MD, PhD, MPH, MTS, MBA, FACS, FSSO, RACS (Hon.)
Department of Surgery
The Ohio State University
Wexner Medical Center
395 West 12th Avenue, Suite 670
Columbus, OH 43210, USA

E-mail address:
tim.pawlik@osumc.edu