2023 Annual Report of the RSNA Board of Directors Chair

The challenges of the past few years have had a profound impact on healthcare, on our patients, and on us as individual healthcare workers. The support of our radiology community is more important than ever as we find a new equilibrium. Throughout the recent disruptions and challenges, RSNA has continued to embrace change, foster innovation, expand opportunities, and provide essential support for cutting-edge research and best-in-class education for members around the world. Our commitment to finding solutions that provide the highest quality care for all patients remains strong and unwavering as we embrace our exciting future together.

RSNA 2023: Leading Through Change

RSNA once again welcomed the global community back to Chicago. Programming centered on the radiology community's ability to embrace innovation and navigate change. Hallmarks of the annual meeting included providing cutting-edge technology and the latest research, world-class educational opportunities and science from every subspecialty—all designed to refresh our professional spirit and enhance careers. In early-November, more than 31,000 colleagues were registered to attend.

RSNA 2023 had the most abstract submissions since 2019, with more than 11,300 science, education and quality improvement submissions proposed. Hot topics at the annual meeting included generative AI, imaging of immunotherapy, theragnostics, and sustainability. Plenary speakers included Howard Chrisman, MD; Vin Gupta, MD; Elizabeth Burnside, MD, MPH; Jocelyn Chertoff, MD, MS. The Technical Exhibition included more than 650 exhibitors with the popular AI Showcase and Recruiters Row. Returning highlights included *Country Presents* showcasing Singapore and Italy, *Radiology Game Show*, dedicated hands-on programming (including the Deep Learning Lab), the *AI Imaging in Practice Demonstration*, Exhibit Hall Happy Hour and RSNA After Dark Party. New features included networking events, a new presentation theater and Art of Imaging display in the Learning center, and a volunteer community service activity. Honors and awards were presented in a special private event:

- Gold Medals: Valerie P. Jackson, MD; Joseph K.T. Lee, MD; and Anne C. Roberts, MD
- Honorary Members: Aghiad Al-Kutoubi, MD; Regina G.H. Beets-Tan, MD, PhD; and Yi-Hong Chou, MD
- Outstanding Educator: David J. DiSantis, MD
- Outstanding Researcher: Bradford J. Wood, MD

The RSNA 2023 Virtual Meeting will be available through April 30, 2023.

New Educational Opportunities

The RSNA Education Council's 2021-2024 strategic plan continues to guide RSNA's educational activities and offerings. RSNA provides education to meet all radiologist needs in-person, virtually and on-demand online.

Spotlight Courses in 2023 brought RSNA education to Dubai, London and Buenos Aires. A new online learning experience, EdCentral, launched in October 2023. This easy-to-use platform curates content from across RSNA resources and recommends education based on user interests and activity. Following the successful rollout of the RSNA Imaging AI Certificate Program in 2022, RSNA launched a new AI advanced certificate course. Now available, the RSNA Imaging AI Advanced Certificate course is case-based and consists of seven modules featuring expert instructors that provide a deeper understanding of the steps involved in using AI algorithms in medical imaging.

RSNA Joins FDA Network of Experts

RSNA has joined the Food and Drug Administration's (FDA) Network of Experts, a vetted group of over 100 partner organizations with member scientists and clinicians who volunteer to provide the FDA with expertise. By joining the FDA Network of Experts, RSNA leaders in technology and innovation will have the opportunity to share their voice, experience and depth of knowledge in ways that are critically important for patients.

AI Leadership from Data to Practice

RSNA extended its focus on AI initiatives and programming with the new certificate program, webinars, Spotlight course sessions, hands on activities, challenges and data repository development. The RSNA Imaging AI Certificate and Advanced Level Certificates have gained a worldwide following as essential learning for radiologists interested in AI. The first-ever radiology-centered AI certificate program blends an online case-based learning curriculum with practice application.

RSNA launched the 2023 Abdominal Trauma Detection AI Challenge to explore whether artificial intelligence can be used to aid in the detection and classification of traumatic abdominal injuries. The international imaging dataset is the first multiphasic dataset that RSNA has assembled for a challenge and is one of the largest and most varied of its kind, including detailed clinical labels, radiologist annotations and segmentations. Winners were announced at RSNA 2023.

Over 1,700 teams from around the world competed in the Screening Mammography Breast Cancer Detection challenge. This challenge tasked participants with developing artificial intelligence models that can accurately detect breast cancer from mammography images, potentially assisting radiologists in making more accurate and timely diagnoses. The challenge began in November 2022 and ran through February 2023.

RSNA continues to partner on the Medical Imaging and Data Resource Center (MIDRC), focusing on collecting and publishing broad and diverse annotated datasets. 150,000 exams, many of which RSNA contributed, are now publicly available to researchers and data scientists.

RSNA is leading exploration on the impact of Chat GPT and other large language models on radiology, education, and patient care.

Journals Extend Prominence and Access

RSNA's suite of journals continues to grow in impact and reach with the launch of a new open access journal. *Radiology Advances*, RSNA's new open access journal, will begin publishing in early 2024. Susanna I. Lee, M.D., Ph.D., was selected as editor for this new multidisciplinary journal focusing on emerging topics and innovative research.

The Impact Factor for *Radiology* is 19.7. *Radiology* was cited 64,735 times and ranks first in impact factor among journals in the Radiology, Nuclear Medicine and Medical Imaging category. *Radiology* celebrates its 100th anniversary this year. Special content published monthly under editor Linda Moy, MD.

RadioGraphics now has an impact factor of 5.5. The popular journal has doubled its impact factor since 2015. RSNA's subspecialty journals have achieved impact factors for the first time:

- *Radiology: Artificial Intelligence* has an impact factor of 9.8
- *Radiology: Cardiothoracic Imaging* has an impact factor of 7.0
- *Radiology: Imaging Cancer* has an impact factor of 4.4.

RSNA members receive complimentary subscriptions to all these journals as a member benefit.

International Activities

RSNA maintains partnership around the world with speakers and representatives participating in 2023 Global Lecture Series, Spotlight Courses, and congresses in Mexico, Thailand, Egypt, Canada, Austria, Japan, Netherlands, United Arab Emirates, Argentina, UK, Brazil, Ireland, Australia and Korea.

Through RSNA Global Learning Centers in Ecuador, Tanzania, and Indonesia, RSNA worked with local teams to support subspecialty training, classroom infrastructure and imaging equipment with a mix of virtual and on-site visits.

Diversity, Equity and Inclusion

RSNA represents our members with a unified voice that reflects our mission and values. Early in the year, the RSNA Board of Directors added a new strategic goal: *RSNA will promote Diversity, Equity and Inclusion in the radiological profession and empower radiologists to provide equitable patient care for everyone.*

Our commitment to our communities remains unwavering. RSNA Health Equity Committee offered a new community volunteer opportunity at RSNA 2023. Attendees assembled cold weather kits and hygiene kits for donation to two Chicago organizations. Earlier this year, the committee sponsored a program designed to improve health education and build connections across communities. Supported by RSNA, Southwest Organizing Project's (SWOP) Healthy Southwest, "Walk With a Doc" series was part of RSNA's ongoing effort to promote health equity and access to care. Weekly walks were planned, covering a variety of health topics June through October in Chicago.

R&E Foundation

The RSNA Research & Education (R&E) Foundation Board of Trustees continues to pursue its mission to "invest in the future of radiology by developing investigators and supporting lifelong innovative research and education." In 2023, the Board of Trustees approved over $4.7 million in grant funding for 83 individuals across 44 institutions. According to a recent survey of past grant recipients, for every dollar awarded by the Foundation, recipients have received $60 additional dollars in subsequent funding from other sources—a return on investment totaling over $4.5 billion.

New Emerging Issues Grants awarded $1,000,000 in 2023 for projects on Health Disparities and Long-Term COVID. Applications are open for new Emerging Issues Grants on Radiology Workforce Diversity and/or Health Disparities, and Value-Based Radiology.

Since its inception in 1984, the Foundation has awarded over $78 million in funding. R&E funded more than 1,600 investigators and educators and over 1,700 projects since its founding. The Foundation is currently accepting grant applications for the 2024 grant cycle.

Membership

As the leading organization for radiology professionals, RSNA has more than 48,000 members from 160 countries around the world. Effective January 2024, RSNA's membership plan expanded beyond the traditional one-size-fits all model and now allows individuals to select one of three membership packages – Basic, Standard and Full Access.

Leadership

At the close of RSNA 2022, the Society was pleased to welcome two new members of the Board of Directors: Dr. Adam E. Flanders, MD, of Pennsylvania, and Pari V. Pandharipande, MD, MPH, of Ohio.

In October 2023, the final nominees for two director positions were announced. The final nominees for RSNA Board of Directors are Cynthia S. Santillan, MD and Jorge A. Soto, MD. Dr. Santillan is a clinical professor at University of California, San Diego (UCSD). Currently vice chair of clinical operations in the Department of Radiology, she previously served as chief of the body imaging division at UCSD. Dr. Soto is current chair of the RSNA Annual Meeting Program Planning Committee. He is a professor of radiology at Boston University School of Medicine and chair of the Department of Radiology, Boston Medical Center. The nominees will be put forth by the Nominating Committee during the business meeting held during RSNA 2023.

Volunteers

With its continued and strengthened commitment to diversity in leadership, the Board of Directors appointed numerous members to leadership positions throughout the organization and to represent the Society in groups hosted by other radiology and medical societies. On behalf of the entire Board, I extend my deepest gratitude to our volunteers, staff and partners for their wisdom, resilience and continued support.

Curtis P. Langlotz, MD, PhD
Chair
RSNA Board of Directors