



## Researchers Awarded 2019 Hitachi Healthcare Americas/RSNA Research Grants

OAK BROOK, Ill – October 10, 2019 - The Radiological Society of North America (RSNA) Research & Education (R&E) Foundation awarded the 2019 Hitachi Healthcare Americas/RSNA Research Seed Grants to Elizabeth Tong, M.D. and Jie C. Nguyen, M.D., M.S. These grants are made possible by Hitachi Healthcare Americas' support of the RSNA R&E Foundation.

The Hitachi Healthcare Americas/RSNA Research Seed Grant provides \$40,000 for a one-year project to test hypotheses and obtain pilot data in preparation for major grant applications.

**Elizabeth Tong, M.D.**, Stanford University, with scientific advisor Greg Zaharchuk, M.D., Ph.D., will develop a stroke scale based on functional MR imaging (FMRIS) to assess abnormal neural circuitry in acute ischemic stroke. Dr. Tong will investigate the ability of this FMRIS in predicting short-term and long-term clinical outcome. Ultimately, this FMRIS could complement and supplement the clinical stroke scale (NIHSS) in the management and treatment of acute ischemic stroke.

**Jie C. Nguyen, M.D., M.S.**, Children's Hospital of Philadelphia, will investigate the diagnostic accuracy of ionizing radiation-free methods for bone imaging, using ultra-short echo-time (UTE) MR pulse sequence, to delineate bony margins in osteosarcoma, the most common primary malignant bone tumor in children. Successful completion will result in a radiation-free, clinically feasible tool that generates high-resolution bone images and microstructural information that can be used to longitudinally monitor disease status and could be applied to other applications relating to bone health.

In 2019, the R&E Foundation Board of Trustees approved over \$5 million in grant funding. "By investing in the outstanding projects proposed by our innovative researchers and educators, Hitachi Healthcare Americas joins with the R&E Foundation in seeding the future of radiology. The Board of Trustees expresses its deepest appreciation for Hitachi Healthcare Americas' commitment to the specialty and is grateful for this enduring partnership," said Thomas M. Grist, M.D., Chair of the RSNA R&E Foundation Board of Trustees.

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RSNA is an association of over 53,400 radiologists, radiation oncologists, medical physicists and related scientists promoting excellence in patient care and healthcare delivery through education, research and technologic innovation. The Society is based in Oak Brook, Ill. ([RSNA.org](http://RSNA.org))

The mission of the RSNA R&E Foundation is to improve patient care by supporting research and education in radiology and related scientific disciplines through funding grants and awards to individuals and institutions that will advance radiologic research, education and practice. ([RSNA.org/Foundation](http://RSNA.org/Foundation))

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