



SYSTEM AND METHOD FOR SIMULTANEOUS ACQUISITION OF CONTRAST DYNAMICS AND ANATOMICAL IMAGES

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Inventors: Michael Speidel, Paul Laeseke, Carson Hoffman, Joseph Whitehead

The Invention

UW researchers have developed an x-ray imaging technique that can capture diagnostic quality angiographic images and contrast media kinetics in a single scan, while reducing patient radiation dose and contrast media load. The technique includes operating an imaging system to perform an imaging acquisition by delivering interspersed doses of high doses of the ionizing radiation and low doses of the ionizing radiation, wherein more low doses of the ionizing radiation are delivered than high doses of ionizing radiation during the imaging acquisition to thereby acquire the imaging data with a high frame rate of low dose data and a low frame rate of high dose data. The method also includes generating at least volumetric angiographic images of the subject and dynamic images of the subject from the imaging data.

Additional Information

For More Information About the Inventors

- [Michael Speidel](#)

Tech Fields

- [Medical Imaging : X-ray](#)

For current licensing status, please contact Jeanine Burmania at jeanine@warf.org or 608-960-9846