



System and Methods for Ultra Low Dose CT Fluoroscopy

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WARF: P190286US02

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The Invention

According to at least one aspect, a method for computed tomography (CT) fluoroscopy can include acquiring a plurality of pairs of projections of an interventional device using CT fluoroscopy. Each pair of the projections can be obtained at a predetermined first angular separation greater than a second angular separation used for a full dose CT scan of a target object, by rotating a gantry of a CT scanner. The method can include identifying a position of the interventional device in real time for each pair of the projections, using back-projection of images of the interventional device from the respective pair of projections. The method can include superimposing an image of the interventional device on a 3-D image of an anatomical region at an identified position of the interventional device.

Additional Information

For More Information About the Inventors

- [Charles Mistretta](#)
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Related Intellectual Property

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Tech Fields

- [Medical Imaging : CT](#)

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