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Second Place: **Design, fabrication, and implementation of voxel-based 3D printed textured phantoms for task-based image quality assessment in CT** (9783-76)
Justin Solomon, Duke Univ. School of Medicine (United States), Alexandre Ba, Institut Univ. de Radiophysique Appliquée (Switzerland), Andrew Dao, Duke Univ. (United States), Joseph Lo, Elianna Bier, Duke Univ. School of Medicine (United States), François Bochud, Institut Univ. de Radiophysique Appliquée (Switzerland), Michael Gehm, Duke Univ. (United States), Ehsan Samei, Duke Univ. School of Medicine (United States)

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Runner Up: **Image-guided preoperative prediction of pyramidal tract side effect in deep brain stimulation** (9786-29)
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Runner Up: **Increasing safety of a robotic system for inner ear surgery using probabilistic error modeling near vital anatomy** (9786-51)
Neal P. Dillon, Michael A. Siebold, Jason E. Mitchell, Vanderbilt Univ. (United States), Gregoire S. Blachon, Ramya Balachandran, Vanderbilt Univ. Medical Ctr. (United States), J. Michael Fitzpatrick, Vanderbilt Univ. (United States), Robert J. Webster III, Vanderbilt Univ. Medical Ctr. (United States)

**Cum Laude Poster Award**

First Place: **Patch-based label fusion for automatic multi-atlas-based prostate segmentation in MR images** (9786-72)
Xiaofeng Yang, Ashesh B. Jani, Peter J. Rossi, Hui Mao, Walter J. Curran, Tian Liu, Winship Cancer Institute, Emory Univ. (United States)