

## Chris LeCastillo

3DQ Lab 3D+ & Imaging Informatics Manager, Radiology - Diagnostic Radiology

### Publications

---

#### PUBLICATIONS

- **Measuring Abdominal Skin-Surface Distances Using Photos for Perforator Mapping Analysis-A Validation Study on 3D-Printed DIEP-Flap Models.** *The international journal of medical robotics + computer assisted surgery : MRCAS*  
Necker, F. N., Cholok, D. J., Fischer, M. J., Gifford, K., Le Castillo, C., Scholz, M., Januszyk, M., Leuze, C. W., Daniel, B. L., Momeni, A.  
2025; 21 (5): e70108
- **Nested Semi-Transparent Isosurface Simulated Volume-Rendering (NESTIS-VR) - An efficient on-device rendering approach for Augmented Reality headsets increasing surgeon confidence of kidney donor arterial anatomy.** *Computers in biology and medicine*  
Necker, F. N., Melcher, M. L., Busque, S., Leuze, C. W., Ghanouni, P., Le Castillo, C., Nguyen, E., Daniel, B. L.  
2024; 183: 109267
- **Suture Packaging as a Marker for Intraoperative Image Alignment in Augmented Reality on Mobile Devices.** *Plastic and reconstructive surgery. Global open*  
Necker, F. N., Cholok, D. J., Shaheen, M. S., Fischer, M. J., Gifford, K., Le Castillo, C., Scholz, M., Leuze, C. W., Daniel, B. L., Momeni, A.  
2024; 12 (6): e5933
- **The utility of three-dimensional models in complex microsurgical reconstruction.** *Archives of plastic surgery*  
Ogunleye, A. A., Deptula, P. L., Inchauste, S. M., Zelones, J. T., Walters, S. n., Gifford, K. n., LeCastillo, C. n., Napel, S. n., Fleischmann, D. n., Nguyen, D. H.  
2020; 47 (5): 428–34