ADMINISTRATIVE RESIDENT ACCOMPLISHMENT

Congratulations to administrative resident **Tom vonAhlefeld '17M** who was part of a group’s poster accepted for display during the 2017 Society for Pediatric Radiology Annual Meeting & Categorical Course in Vancouver, British Columbia, Canada from May 16-20, 2017.

The poster is titled, “3D printing and augmented reality help surgeons visualize tumor: our role in radiology”. Tom is an administrative resident at Children’s Hospital of Omaha NE and he worked with a radiologist, a pediatric surgeon, and a radiology tech to create a holographic image from CT scans of a patient’s tumor. The holographic image, as viewed on the Microsoft HoloLens, was then used by the surgeon to assist with surgical planning.

Tom shared, “To date, we have completed three surgical studies involving the Microsoft HoloLens, all of which received great praise from the surgical staff. As far as I know, based on my research in the area, we are the only hospital utilizing this new technology for clinical applications. Although my role in this endeavor has been exciting, challenging, and very educational, my focus needs to be more aligned with hospital management and the executive career path. For this reason, I will be stepping aside and leaving the HoloLens project in good hands to be continued by the diagnostic imaging staff.”

Tom programmed the HoloLens to allow for importation of the original CT image, designed the programming to allow for holographic viewing, programmed the HoloLens in order to control the holographic image via voice command, and coordinated with the radiologist and pediatric surgeon to ensure image accuracy prior to the surgery.

This holographic image is from the case and was included with the poster. The green item is the tumor that was situated against the spine. Using the HoloLens allows the viewer to “peel away” the layers of tissue and bone so that the tumor itself can be visualized along with how it’s attached to adjacent structures.

ALUM-N-I-C-E  Our 1,612 Graduate Alumni and 71 BSHSA Alumni are the pride and joy of Xavier and our HSA Department. We applaud your achievements and commitment to the highest quests in health services administration, we hold you up as models for our students to emulate, and we happily claim you as “ours”.

- **Yousuf Ahmad, DrPH '99M** is the President and Chief Executive Officer of Assure Care Software in Cincinnati.
- **Shannon Nielson '04M** is Senior Vice President of Consulting Services at Centerprise, Inc. in Cincinnati.

**Men and Women for Others**: Thinkers, Inspirers, and Leaders in Health Services Administration

Your email update from:  **Sister Nancy Linenkugel, OSF, DM, LFACHE**  
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