

ASU's Voice and Swallowing Lab Gets New Equipment

The ASU Voice and Swallowing Lab recently obtained new state-of-the-art videostroboscopy and acoustic analysis equipment for diagnosing and treating voice and swallowing disorders.

The **videostroboscopy tower** is a comprehensive instrumentation unit outfitted with rigid and flexible endoscopes and a high definition camera and powerful light source. The tower allows for direct visualization of the larynx (voice box) during voicing and swallowing. This system will be used for research, student training and patient care.

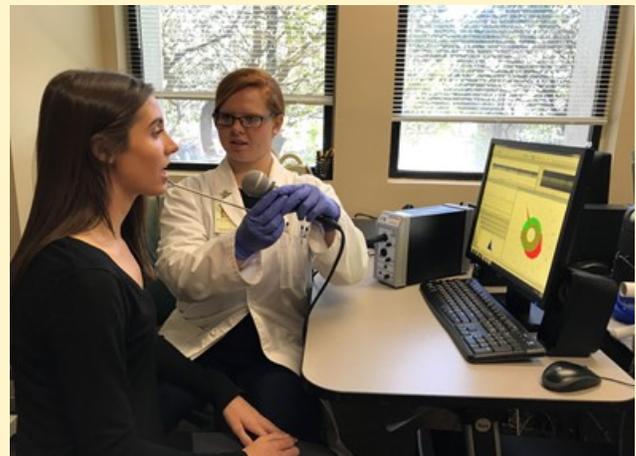
The **TELE PACK X LED** is a powerful all-in-one unit that combines all of the features required for endoscopic imaging: monitor, LED light source, camera control unit and integrated data management. This high-definition stroboscopy unit is compact and portable enough to be used in both the clinic and the classroom.

The **Computerized Speech Lab (CSL™)** hardware and software system allows for voice signal capture and analysis. Using noise suppression, the precision microphone and professional grade speakers ensure high fidelity playback suitable for both clinical and research applications. The CSL system also includes a software program (**Multi-Speech**) that captures and analyzes speech samples for teaching, research and clinical applications.

The new videostroboscopy and acoustic analysis equipment will support state-of-the-art training for our graduate students, as well as comprehensive voice and swallowing care for adults and children in the High Country. It was purchased in anticipation of the Fall 2018 opening of the new Leon Levine Hall of Health Sciences. The Voice-Swallowing Lab will move from its current location in University Hall to the new building later this year.



The new videostroboscopy equipment (above) will support state-of-the-art patient care and training for our graduate students.



Graduate students Heather Miller (L) and Lindsay Austin (R), practice gathering voice samples for acoustic analysis with the CSL system.

We offer our sincere appreciation for the continued support of the Scottish Rite, without which we could not fulfill our mission.