

## Table Usage Beneficial For Anatomy Courses In Community College Settings

Tarrant County College purchased three Anatomage Tables for their different campus locations to implement into their Physical Therapy Assistant, Anatomy & Physiology, and Emergency Medical Technician programs. Additionally, the Table was used for research and testing purposes, and each campus benefited from the Table.



### Usage Of The Table At Trinity River East Campus-Center For Health Professions

Purchased in 2012, Trinity River East Campus-Center for Health Professions used the Table in their Physical Therapy Assistant, Pathophysiology, and Radiography programs for research study. Significant improvement was found in the image quality of muscles and joints in the PTA program. Images from the software were saved and utilized by students to prepare for in-class quizzes and tests.

The Pathophysiology program incorporated the Table's case

library into the curriculum. Students participated in a collaborative group effort to answer questions and take short quizzes using the preloaded cases.

The Radiography program has been consistently using their Table since Fall 2015. Approximately 24 students each semester have been using the Table in an interactive manner. They find that the Table is useful for radiographic anatomy. Examples of this include viewing of the bony thorax, knee, scapula, and GI procedures.

### Virtual Scalpel & Rotation Tools Advantageous At Trinity River Campus

Anatomy and Physiology students were able to use virtual scalpel and rotation tools to view sections of the body. The ability to remove overlying anatomical structures and expose structural relationships was also beneficial. Students also attested that the Table made learning easier and more efficient thanks to the undo feature, among others.

### Usage Of Clinical Content Library At Northeast Campus

Students in groups of six to eight review anatomy and pathophysiology content in labs by using the Table. For instance, students have the ability to review anatomy from all angles, which helps them better conceptualize unique pathologies.

### Research & Benefits Of The Table As A Study Tool

The Table was used in intermediate and advanced procedure courses during lecture and small group components. They found the Table most beneficial when learning complex anatomical structures such as the shoulder girdle and bony thorax. Students were also asked to manipulate the cadaver into correct positioning along with rotating, cropping, and formatting the case images. Overall, students were encouraged to use the Table as a study tool for upcoming exams.



### **Student Perception Of Hands-On Preparation**

According to student surveys, it was discovered that students benefited from the hands-on nature that the Table provided. Furthermore, students found the technology was easy to use, and was most helpful in intermediate and advanced courses.

### **Incorporation Of Table In New Health Technician Programs**

Tarrant County College will begin to incorporate Table usage into their Sonography, MRI, Anesthesia Technician, and LVN programs starting Fall 2017. Implementing the Table into the each program's curriculum provides students of different backgrounds the ability to learn in a more integrative classroom setting. All in all, both faculty and students found the Table useful for learning various body systems and beneficial in strengthening their understanding of general anatomy.