

SECTRA VISUALIZATION TABLE

Leading edge technology for anatomy education



A unique teaching tool.

With the Sectra Visualization Table, anatomy teaching is enhanced using interactive natural-size 3D views of real patients' anatomy, rendered from CT or MR images. Users can visualize skeletal tissue, muscles, organs and soft tissue by virtually slicing, segmenting or peeling off layers of tissue. It helps students to gain a deeper understanding of the anatomy, functions and processes inside the body and contributes to improved quality of education.

Virtual Dissection with real-life cases

Sectra Visualization Table is the optimal complement when cadaver-based dissection courses is not available, or when the cadavers are too few. This way, teaching institutions can increase the exposure to anatomy and hands-on practice for every student and allow the students to do the virtual dissection over and over again, reducing the learning curve substantially.

Real-life cases facilitate anatomic comparison of various cases, such as young or old, male or female, with or without pathology. This increases the quality of medical training by giving course participants a better understanding of the normal population and its variations in anatomy and pathology.

Efficient group interaction

The 46" multi-touch screen allows users to interact with the virtual body in 3D simply by touching the screen. This way, tactile learning is supported which facilitates the learning process. Students and instructors can easily gather around the Visualization Table for group discussions and examinations and thanks to the unique format and touch interface, they can easily hand over command between them to even further enhance the group discussion.

SECTRA

FEATURES AND BENEFITS

Interaction tools to visualize organs and functions

With just a swipe of a finger, users can rotate, pan and zoom the virtual body without restrictions. By applying organ presets and adjusting window/levels organs and functions can be studied in great detail.

Ease of use

The gesture interface is based on established techniques, which strengthens the intuitiveness and ease in learning the application. Users can interact efficiently with the device within less than a minute.

A unique possibility to add a new dimension to clinical lectures and courses

The Table is easily moved and maneuvered, and can be used as a practical part of a lecture or courses. It can also be attached to a projector or second screen if the lecture room is large or number of participants is large.

The instructor can modify the structure for different student categories and courses. It is easy to build and adapt an anatomical library with different cases which facilitates both quicker learning and easier administration of courses.

Seamlessly integrated with live image management system

Sectra Visualization Table runs with an image management system used at the radiology departments at over 1,100 clinics, hospitals and clinical training centers, Sectra PACS. This gives students a great introduction for real-life situations by providing the opportunity to work in the same imaging environment as many hospitals and clinics.

The result of research

Sectra Visualization Table is the result of successfully combining applied research within medical technology and advanced computer science with industry knowledge. It has been developed in cooperation with Center for Medical Image Science and Visualization (CMIV), Visualization Center C, The Interactive Institute and Linköping University, Sweden.

World Headquarters

Sectra Imtec AB
Teknikringen 20
583 30 Linköping
SWEDEN
Phone: +46 13 23 52 00
E-mail: info.imtec@sectra.com

Australia/New Zealand

Phone: +61 2 9420 1620
E-mail: info.anz@sectra.com

Benelux

Phone: +31 36 540 1970
E-mail: info.benelux@sectra.com

Denmark

Phone: +45 45 65 06 00
E-mail: info.dk@sectra.com

Germany/Switzerland/Austria

Phone: +49 221 47 45 70
E-mail: info.de@sectra.com

Japan

Phone: +81 48 727 8780
E-mail: info.jp@sectra.com

Norway

Phone: +47 67 58 97 70
E-mail: info.no@sectra.com

Spain/Portugal

Phone: +351 22 011 00 20
E-mail: info.iberia@sectra.com

Sweden

Phone: +46 13 23 52 00
E-mail: info.se@sectra.se

United Kingdom/Ireland

Phone: +44 1908 673 107
E-mail: info.uk@sectra.com

USA/Canada

Phone: +1 203 925 0899
E-mail: info.na@sectra.com

SECTRA

For other regions please visit sectra.com/medical