



"Our goal is to provide equal high-quality education for all the Iranians"

## **Electronic Autopsy Table (Tashrihyar)**

**Treata Medical Technology  
Corporation**

## Product Introduction

### Tashrihyar

Human anatomy is one of the major topics in medical training and its affiliated fields such as medicine, dentistry, nursing, etc. Shortage of cadavers and moulage and heavy costs to supply these items are among the important issues in the training branch of this specialized field. Therefore, western countries came up with unique technology of manufacturing electronic virtual autopsy tables to supply diverse 3D models and Data to provide medical students and professors with an effective tool for teaching human anatomy. Thus, real cryo-sectionally fixated cadavers are imaged and digitalized using software technologies that allow users to dissect actual human cadavers on an electronic touch table.

Pishgaman Fanavari Treata Co. is proud to provide all the Iranian educational centers with this technology under the name "Tashrihyar" to contribute to upscaling the quality of Iranian education in line with the world's state-of-art technologies.

## Products and Services

to Offer



Smart touch table

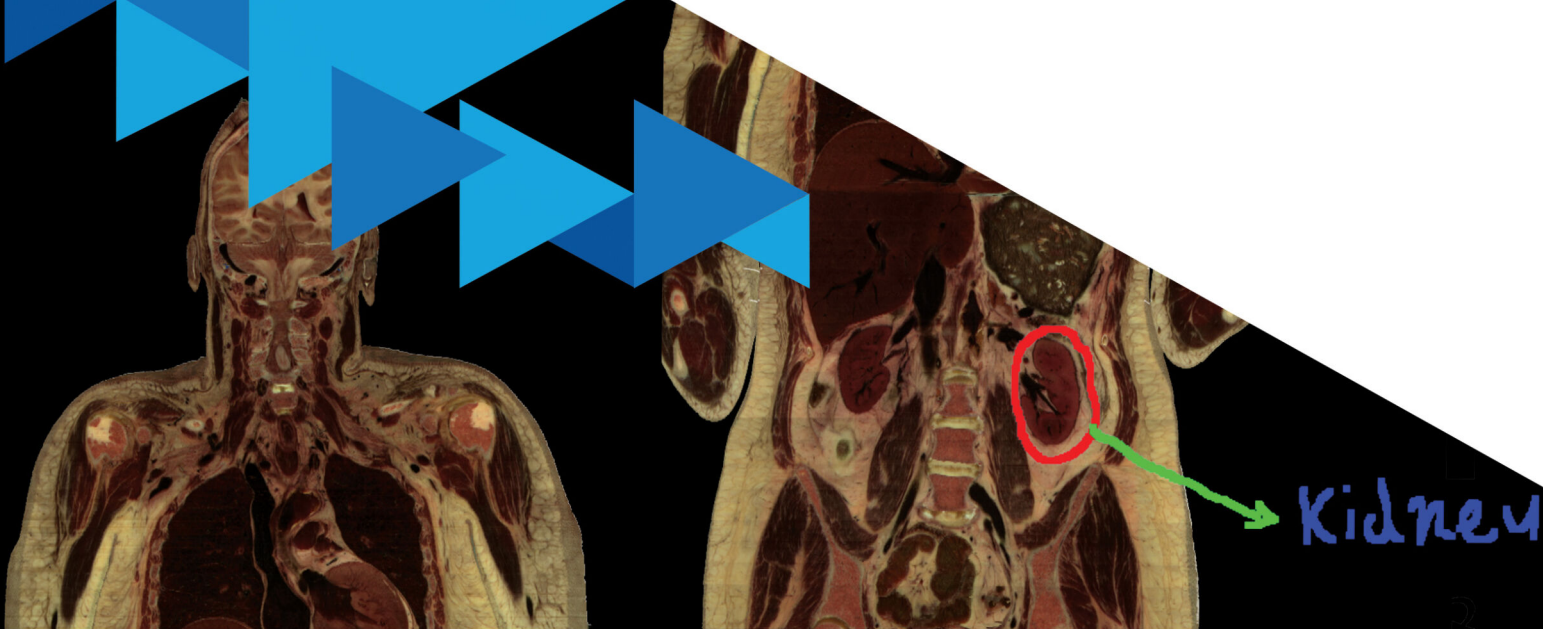


Virtual reality (VR) package



Individual software license

It should be noted that common services of product customization for any center are offered per request without extra charge.







## Why Tashrihyar?

It is undeniable that traditional medical training using actual human cadavers undoubtedly offers its advantages. However, Tashrihyar electronic table can be a suitable replacement for classic educational systems due to the issues in supplying cadavers, high costs in cadaver preservation, the need to use toxic chemicals in the process of cadaver preservation, and the required tools and equipment for this purpose.

### Some Advantages of Tashrihyar:

- ✓ Lower price compared to similar products
- ✓ Saving on cost and cadaver preservation equipment
- ✓ Offering a touch digital 4K table in different sizes according to the customer's need and space requirements
- ✓ Offering more than 20 models of actual human cadavers in part or whole
- ✓ Offering schematic models of the human body in part or whole to provide supplementary explanations and education
- ✓ More than 30000 human and animal anatomic pieces
- ✓ Providing radiological information ,including CT scan, MRI, X-ray, and PET, and the ability to demonstrate user-added radiological images
- ✓ Simulating more than 150 dynamic models of the human musculoskeletal system
- ✓ Professional models for specialized training on neurology, head & neck, and oral and dental parts, along with animal models for veterinary education
- ✓ Providing hardware, software, and VR versions according to your needs and other items which will be discussed later.



## The Largest Database

### Autopsy Information

Compared to similar American and European products, Tashrihyar has the prominent advantage of supporting more than 20 cadavers and schematic models, which include various types of actual male and female cadavers and 3D models, while American and European devices can support one, or at best two cadavers.

This feature requires several software application options prepared by a specialized team of Iranians in the country.

### High Scientific Precision

#### In Addition to Radiological Images

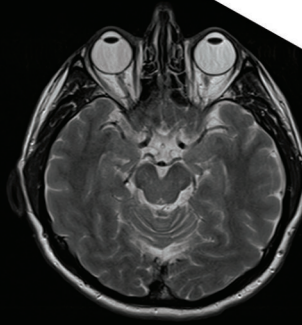
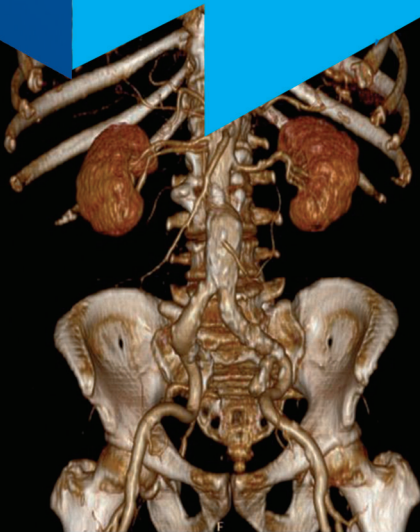
This product is prepared using 3D-formatted information from actual human cadavers and can properly exhibit high-quality human anatomical details. In teaching anatomy, it is of great importance that models and cadavers match with CT scans and MRI images. In other words, when the user prepares a layer or slice of the cadavers and 3D models, the CT scan and MRI images of the same slice are to be exhibited so the user can enjoy the combination of concurrent anatomical and radiological data.

In this apparatus, more than 5000 chest radiographs are provided based on diseases, common radiological symptoms, and follow-up during the process of treatment so the user can learn better about one of the most important and widely-used clinical radiological images.

Furthermore, CT scans, MRI, and PET images of actual patients are added to provide supplementary material for specialized radiology education.



Models are named according to international standard books and references with high accuracy, and the user is provided with various options such as cross-searching, grouping, note-taking, and different types of interactive options.







## The Option of Reading and Reconstructing Radiological Images

One of the critical parts of training medical assistants and physicians is the 3D examination of radiological information of clients in medical centers. This apparatus allows the user to insert CT scan, MRI, and PET information, reconstruct the images in 3D format, and study and examine the images for educational purposes using the provided tools.

## Simulation of the Movement Model



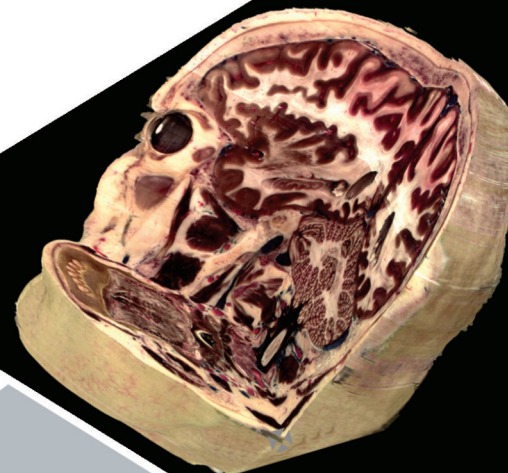
The knowledge of how a muscle functions in the movement of joints and bones is of special importance in the study of the human skeletal system, and an illustrated exhibition of such information is one of the best ways to teach this part of the anatomy to make students understand how these movements work.

Offering tens of dynamic and illustrated models of how muscles move, Tashrihyar assists to provide the user with a deep understanding of how muscles join and function.

## Brain Anatomical Model



Not only is Tashrihyar the only apparatus to support the world's most unique neurological model, but it also provides a special view of the brain for specialized neurological studies using an actual brain with more than 1400 sections just on the head.



## Fetal Anatomy

### During Development Stages Week by Week



Learning about fetal anatomy and having the 3D idea of how different parts are anatomically placed are some of the most difficult topics of anatomy for medical students as the fetus goes through many changes during several weeks of development. Therefore, Tashrihyar provides a 3D fetal model in different stages of development week by week and allows the user to gain a proper understanding of anatomical situations and learn how each part changes in 3D format over the weeks. In addition, the apparatus is equipped with multiple cadavers of fetuses in different weeks of development, which allow the learners to dissect the virtual cadavers of fetuses for every week of pregnancy.

## Animal Models

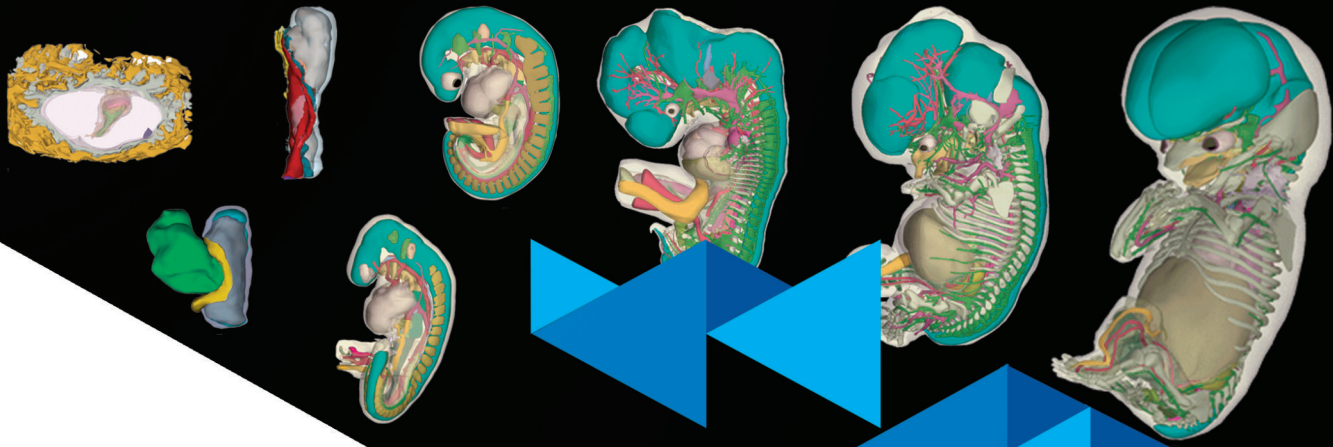


One of the goals of the Tashrihyar system is to include the highest levels of all medical fields. Therefore, it is attempted to provide a wide range of materials for all the fields of medicine, nursing, dentistry, physical medicine, medical internship, pharmacology, and others. Thus, we found it necessary to please veterinary students and provide them with some materials. For that purpose and to please you, various animal models are provided in the Tshrihyar table's database for examining and teaching animal anatomy.

It should be noted that this product and its subsidiary databases have been implemented as a pilot phase in several Iranian educational centers, and they have been evaluated and confirmed by the experts from Shahid Beheshti University of Medical Sciences and the Iranian Ministry of Health and Medical Education.







## Software Advantages

### Other Hardware and



### Various Interactive Options



Having application tools is one of the most important features of specialized training software packages. With several options such as coronal, sagittal, axial, and oblique sections, the ability to view CT and MRI images simultaneously, writing and note-taking tools, edition and preparation of exclusive course outlines, and tens of other options, Tashrihyar offers the user a collective and diverse set of interactive options.

### Customizing and Paying Attention to the Customer's needs



Providing a space for this apparatus is one of the major issues for educational centers. According to the customers' needs, Pishgaman Fanavari Treata Co. allows customers to order the apparatus and screen size of their choice (out of the available options) based on the place of their consideration. It should be noted that other customized services are also offered according to the agreement and needs of each center without extra charge.

### Various Ports and Plugs

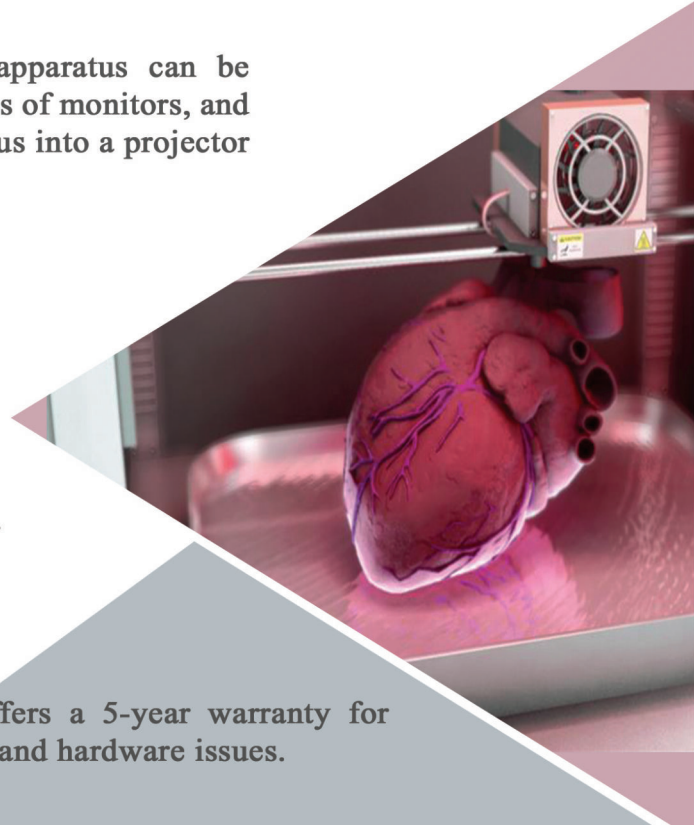


For the convenience of users, the Tashrihyar apparatus can be plugged into different visual ports and various types of monitors, and users can view the images by plugging the apparatus into a projector or a monitor.

### 3D Printing Feature



Preparing accurate 3D moulages of different areas of the body has been always one of the costliest and at the same time widely-used tools for teaching anatomy. Using Tashrihyar, you can have a 3D print from each part of the cadavers or schematic models and prepare your exclusive moulage in the size of your choice at the least possible cost.



### After-Sales Services

Pishgaman Fanavari Treata Co. offers a 5-year warranty for Tashrihyar in terms of any software and hardware issues.



## About Us

Pishgaman Fanavari Treata Co. was founded in 2016 to work in the field of medical technologies and has been working since then. Treat Co. is currently located in Shahid Beheshti Science & Technology Park, and its main area of activity is to design and manufacture medical software and equipment for educational diagnostic and treatment purposes.

The Pishgaman Fanavari Treata Group is proud to be able to play a minor but beneficial role in achieving one of its goals and missions to provide the opportunity for equal high-quality and international education for Iranians.

## Contact Us

You can contact us through one of the options below to receive guidance on order or purchasing our products.



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