



· 中 医 复 兴 ·  
· 科 技 弘 扬 ·  
· 文 化 传 承 ·



# 中医针灸虚拟仿真教学平台

Virtual Chinese Acupuncture Teaching System

医以济世 术贵乎精

深圳华鹊景医疗科技有限公司  
Shenzhen Wisemen Medical Technology Co., Ltd.

地址：广东省深圳市南山区塘长路2239号田寮工业区A7栋303  
网址：www.huaquejing.com 客服：86-135 5472 3401  
邮箱：huaquejing@foxmail.com



扫描关注华鹊景  
更多内容最先知

 深圳华鹊景医疗科技有限公司  
Shenzhen Wisemen Medical Technology Co., Ltd.

### 任意角度和位置观察经络腧穴的3D位置和解剖结构

Observing the 3D position and anatomical structure of meridian acupoints from an arbitrary viewing point.

完整精确的解剖学数据，涵盖了人体所有的解剖系统

Accurate anatomical data covering all anatomical systems of the human body

### 辅助功能丰富（骨度分寸、经络循行、笔记、书签、语音、搜索等）

Plenty of learning tools (meridian circulation, notes, bookmarks, voice, etc.)

### 虚拟针刺操作

Virtual simulation of acupuncture operation

### 准确全面的个性化学习报告和考试评估报告

Accurate and comprehensive personalized learning report and examination evaluation report

### 全方位覆盖针灸教学需求 内容专业权威

Full coverage of acupuncture teaching needs with professional authority

### 多样化模型

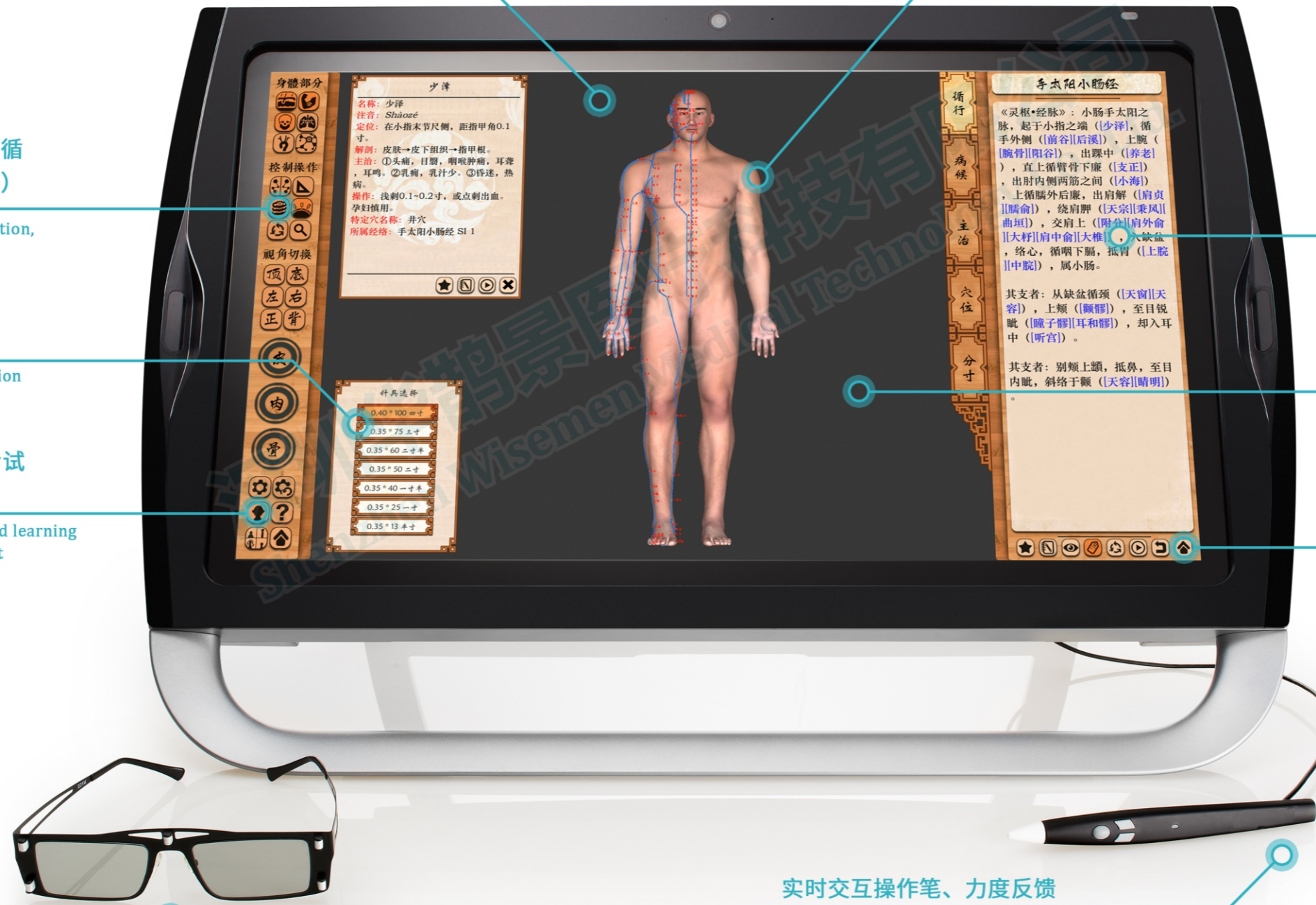
(不同人种、性别、年龄、体型)

Human anatomy models with different genders, ages, and body types.

### 自然人机交互方式

界面友好、简单易用

Natural human-computer interaction, friendly interface, and easy to use



### 高沉浸感、立体式教学

Immersive representation of virtual human body with high fidelity

### 实时交互操作笔、力度反馈

Real-time interactive open

## 产品介绍

虚拟中医针灸教学考试系统是一个具有真实感、沉浸感和交互感的现代化中医教学平台，依据全国中医药院校的教学需求设计，参照最新教材、最新国家标准和中医名家论证，提供了经穴标注、腧穴解剖、经络循行、针灸治疗等多种教学与考试功能。运用最新的虚拟现实技术和增强现实技术，为中华传统医学精髓中医针灸传承注入全新活力，实现针灸理论知识与学生的完美实时互动，激发学习兴趣与自我学习探索能力，创新中医教育、实践、传承和传播。

## Introduction

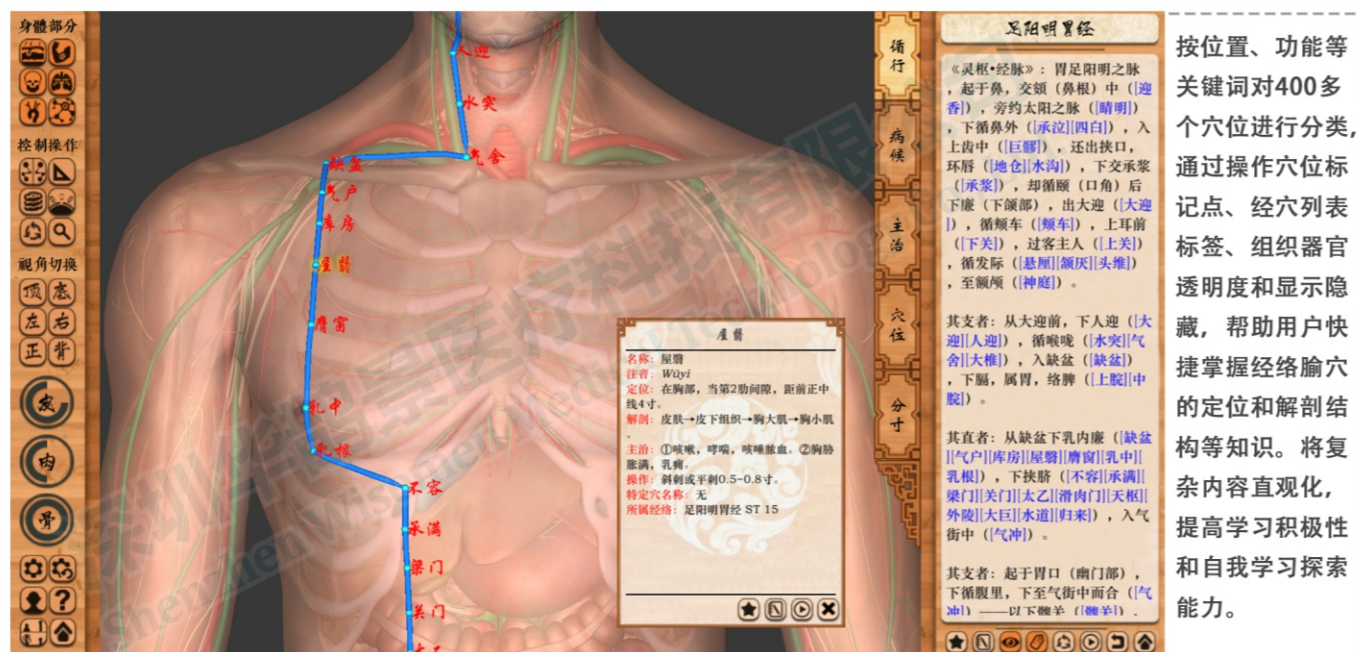
Virtual Acupuncture Teaching System of Traditional Chinese Medicine (TCM) is a modern Chinese medicine teaching platform with realism, immersion and interaction. It is designed according to the teaching needs of TCM colleges and universities nationwide, referring to the latest textbooks, the latest international standards, and the famous experts of TCM. The system provides a variety of teaching and examination functions, such as meridian and acupoint locating, acupoint anatomy, meridian circulation, acupuncture treatment scheme and so on. Using the latest virtual reality and augmented reality technology, it will inject new vitality into the inheritance of TCM acupuncture, achieve the perfect real-time interaction between theoretical knowledge of acupuncture and students, stimulate learning interest and self-learning exploration ability, and innovate TCM education, practice and inheritance.

## 三大模块 Three Modules

### 教学模块

教学模块包括九大教学内容：十四经络、经外奇穴、特定穴、位置定穴、功能分穴、针灸治疗、名家医案、经典医籍和解剖结构。利用此模块可以教学经络腧穴的各种知识，100种疾病的针灸治疗方案以及练习针刺等等，全方位满足教学需要。教师版可以后台察看每个学生的学习情况。

### 分类学习 Structured learning



按位置、功能等关键词对400多个穴位进行分类，通过操作穴位标记点、经穴列表标签、组织器官透明度和显示隐藏，帮助用户快速掌握经络腧穴的定位和解剖结构等知识。将复杂内容直观化，提高学习积极性和自我学习探索能力。

More than 400 acupoints are classified and organized according to the location, function, and other keywords. The knowledge points such as positioning and anatomical structure of meridian acupoints can be easily understood by interactively observing the 3D human anatomy with transparent skins, muscles, bones, and organs.

### 虚拟训练 Virtual practice



实时交互虚拟针刺训练、针具选择和针刺路径预测，提升教学训练的实效性。

Real-time interactive virtual acupuncture training, needle type selection, and acupuncture path prediction can significantly enhance the effectiveness of teaching, practice and examination.

## Teaching Module

The teaching module includes 9 teaching contents: 14 meridians and collaterals, extraordinary points, specific points, positional points, functional points, acupuncture treatment, clinical cases, classical medical books and anatomical structures. This module can be used to teach a variety of knowledge about meridians and acupoints, acupuncture treatment schemes for 100 diseases, and practice acupuncture and so on. The teacher-only version of this system provides access to check the learning status of each student.

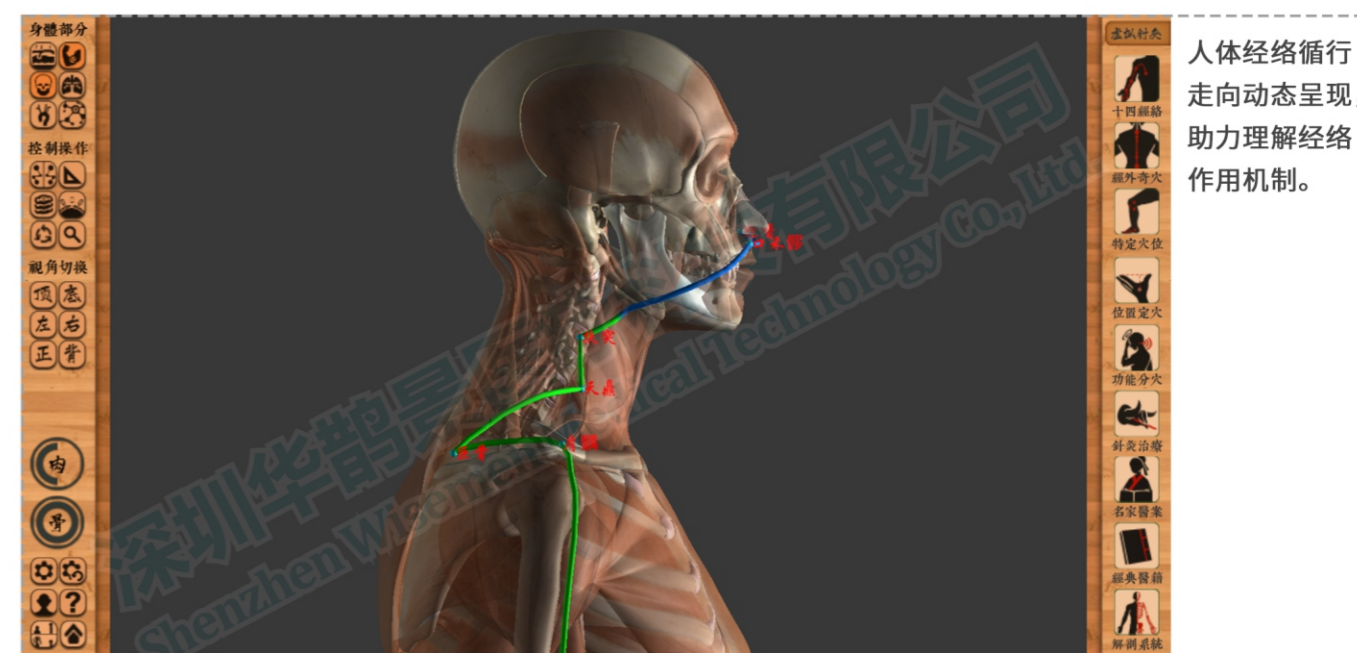
### 专业知识 Professional knowledge



八大类共计一百种常见病证的定义、辨证以及针灸治疗知识。结合三维虚拟人体上经络和穴位的信息，高效理解掌握疾病、经络腧穴、解剖结构相互之间的关系。

There are totally 100 common diseases and syndromes in 8 categories, including definition, syndrome differentiation, and acupuncture treatment scheme. By providing the intuitive information of meridians and acupoints on 3D virtual human body, students can efficiently understand and grasp the relationship among diseases, meridians, acupoints, and anatomical structures, leading to a great reduction of the TCM acupuncture learning curve.

### 动态理解 Dynamic visualization

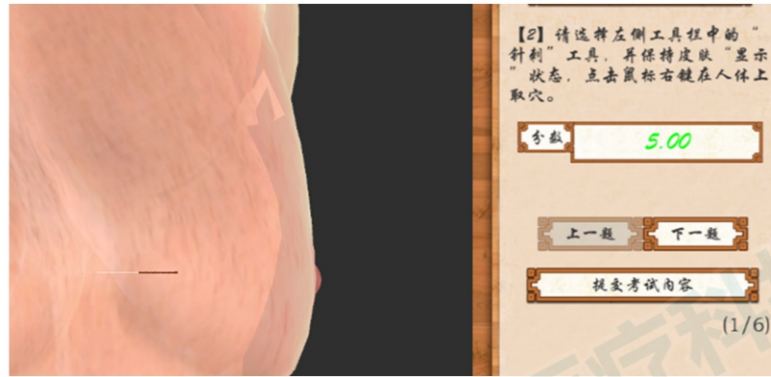


人体经络循走向动态呈现，助力理解经络作用机制。

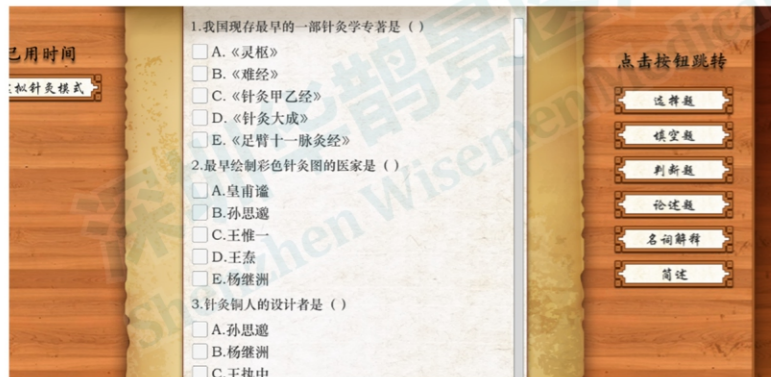
Dynamic visualization of meridian circulation helps to understand the mechanism of meridian.

考评

提供多种方式全面评估学生针灸知识的掌握情况。教师版可以设置考试难易程度及考试内容。  
Examination module provides a variety of ways to comprehensively assess the mastery of acupuncture knowledge. The teacher-only version can set the difficulty level and the content of the exam.



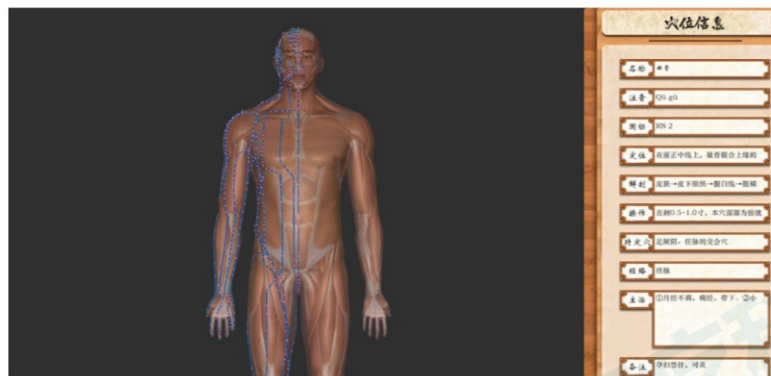
根据解剖信息及辅助工具，对随机穴位知识进行测试，交互操作笔模拟扎针过程，对针刺位置、角度和深度进行测评，系统自动评分。  
Based on the anatomical information and auxiliary tools, the knowledge of random acupoints is tested. An interactive open is provided to simulate the acupuncture process; the position, angle and depth of the acupuncture are automatically evaluated and scored.



整合传统考试模式，多样化考试内容，现有题库题型自动导入，自动阅卷评分并生成考试评估报告。  
This module also provides traditional test mode, including diversified test content, automatic import of test database, automatic scoring, and test evaluation report output.

编辑

提供骨度分寸、矢状面、冠状面、水平面和测距等分便捷工具，实现对新增穴位、已有穴位和经络进行信息编辑，便于教师讲解课本以外的经穴知识。Editing module provides assistant tools such as bone measurement, sagittal plane, coronal plane, and horizontal plane. Users can add, remove, and edit acupoints and meridians to build a customized database, which can help explain acupoint knowledge beyond textbooks.



提供简便易用的经络信息编辑窗口，用户可以方便地增加、删除以及更改穴位信息，从而创建个性化的针灸穴位数据库。  
A user-friendly meridian information editing window allows users to easily add, delete, and modify acupoint information to create a customized acupoint database.

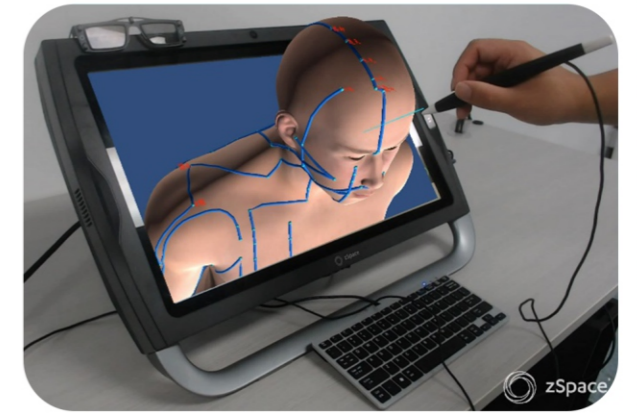
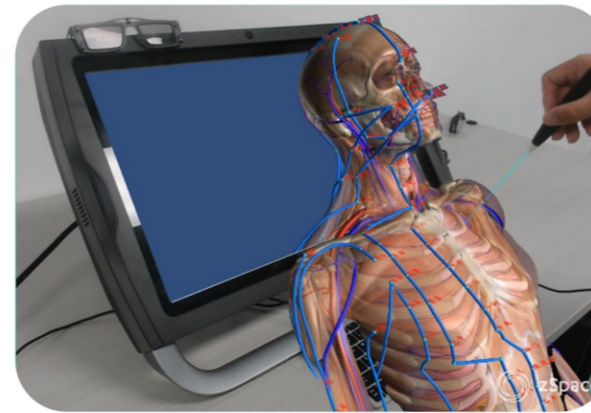


提供经络描绘工具，用户可以通过简单的鼠标操作，快速地从零开始创建整条经络及穴位信息，并通过微调工具描绘经络的循行路径。  
With the excellent meridian drawing tools, users can quickly create the meridian and acupoint information from scratch with simple mouse operations, and correct the path of the meridian through the fine-tuning tools.

## 增强现实 Augmented Reality

提供优秀三维交互的同时，利用增强现实技术，实现超现实投影，三维虚拟经络人立体呈现于现实世界，带来全新的三维交互体验。

While providing excellent 3D interaction, with the augmented reality technology, the 3D virtual meridian is stereoscopically presented in the real world, bringing a new 3D interactive experience.



## 领导关怀 Leader Care

中国针灸学会会长、世界针灸学会联合会主席、欧亚科学院院士、中国中医科学院首席研究员刘保延指导虚拟针灸教学考试系统。

Liu Baoyan, president of the World Federation of Acupuncture-Moxibustion Societies, thought highly of the Virtual Chinese Acupuncture Teaching System.

