

# Doctors 3,700-km apart cooperate in operation

By Huang Ying

At the People's Hospital of Bortala Mongol Autonomous Prefecture in Xinjiang on Jan. 8, orthopedist Ai Shanjiang was implanting a bolt into a patient's body using a pair of MR (mixed reality) glasses. He could not only see the interior of the patient's body but also a laser pointer showing him the direction and location of the implantation, while the pointer was controlled 3,700-km away by Professor Ye Zhewei at the Orthopaedic Hospital of Wuhan Union Hospital.



Doctors during the operation

"In the past when conducting a tele-consultation, we had to talk repeatedly with each other relying on pictures and videos. If that didn't work well, we had to take a screenshot, make marks on it and send it back to the operation scene, which had an obvious time lag. Now we can carry out real-time instruction," said Professor Ye.

It is, as introduced, the first remote controlled operation done with the help of MR technology in the world. Located in different time zones, with a distance of hundreds and even thousands of kilometers between them, doctors from Wuhan Union Hospital, the People's Hospital of Bortala Mongol Autonomous Prefecture in Xinjiang, and Virginia

Polytechnic Institute and State University (commonly known as Virginia Tech) were synchronized to discuss the case, devise the surgery plan, communicate with the patient and actualize the intraoperative instruction, all thanks to MR technology. The surgery was accomplished two hours later. The patient is recovering steadily.

## College students invent multifunctional foot-mask socks

By Yang Jiafeng

Two senior students, Lin Jiasui and Zhao Fengjian, from the School of Textile Science and Engineering at Wuhan Textile University obtained a utility model patent certificate for their invention of multifunctional foot-mask socks.

Lin said that she liked searching WeChat Moments for overseas purchases and found a very popular exfoliating mask for feet.

She thought maybe she could do something with it because in winter many people suffer from cracked heels. After exchanging ideas with her roommate, Zhao, they decided to do some research on the market and the current patents. They collected materials from similar products on Taobao and other shopping platforms, analyzing customer comments, summarizing the deficiencies of the current products and designing their solutions. Finally, they decided to adopt silica gel as the basic material for the socks with serums infused in the heels.

## WHU celebrate birthday for staff over 80 years old

By Wu Shizheng



Senior staff's birthday celebration

Wuhan University has been enviously known as a place of longevity. Presently, among the 1,652 seniors over 80 years old in the school, 160 are over 90 years old and seven over 100. On January 9, WHU held a collective celebration for all of them to mark their birthday and wish them good health.

## Shared fitness booth debuts in Optics Valley

By He Liang

The shared fitness booth, "Wanba," debuted in Optics Valley on January 13.

A fitness booth is a small cabin that can be entered by using WeChat to scan the QR code to open the door. It is equipped with one treadmill, several dumbbells, an air conditioner, TV, and stereo system. The shared fitness booth charges RMB 0.2 a minute.

The founder of "Wanba," Fu Hao, reveals that it has already brought in over RMB 10 million and has the largest occupancy of fitness booths in China's market.

On average, each booth has been used 500 times per month. "Fitness booths are scattered within 50 meters of office buildings and communities. People can easily access these facilities." Fu added, "to improve the user experience, each cabin has a space of over 7.5 square meters, which can accommodate two people or even a family. In addition, machines in the booth can collect user's fitness data and upload them online. By analyzing this data, professional trainers can recommend nutritional supplements and personalized work-out plans for the user."

