

# 5G operating room

**Objective:** To develop, together with Hospital Quirónsalud Málaga, the first 5G-based expert assistance system for operations with the integration of medical data through augmented reality.

**Description:** Performance of seven endoscopic digestive surgeries at Quirónsalud Hospital in Malaga remotely assisted from Japan, using 5G technology and augmented reality.

These operations were performed and broadcast live during a medical congress by two world leaders in endoscopy, Dr Pedro Rosón Rodríguez, head of the Digestive System Service at Quirónsalud Málaga Hospital, who operated in the Endoscopy Room at Quirónsalud Málaga with the supervision and advice from Japan of Dr Katsumi Yamamoto, director of the Endoscopy Center at Osaka Hospital.

The 5G technology provided by Telefónica has been key for two reasons: because of the possibility it offers for transmitting 4K quality endoscopy system videos at high speed and because of the minimisation of delays thanks to the low latency of 5G, which has allowed it to be monitored from Japan and has allowed the 100 doctors and assistants to interact with the operation being performed by Dr. Rosón.

[Press release](#)



Edge  
Computing



Downlink  
Capacity

