

5G Assistance to breast cancer operations

Objective: To carry out, within the framework of the 10th Congress of the Spanish Association of Breast Surgeons (Aecima), in real time the first breast cancer surgery with 5G technology and augmented reality between doctors from the Champalimaud Foundation of Portugal and Zaragoza. To do this, the low latency of 5G communications is used

Description: 5G communication has allowed communication between the two renowned surgeons responsible for the intervention, doctor Pedro Gouveia (in Lisbon) and doctor Rogelio Andrés-Luna (in the Aragonese capital). In addition, those attending the congress have been able to see the complete operating room, the generated video and all the parameters of the operation in an immersive way. Interaction during these interventions has been possible thanks to minimal communication latency and great video transmission capacity. To this is added the high quality of video with 'webRTC' technology that is used in augmented reality.

