

OK Glass, Find an Application in Medtech

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Source: Philips

Sure, Google Glass is a cool gadget. But is it really deployable in the medical field? Currently, researchers and practitioners are working on potential applications in the medtech sector.

[Last year, Philips' Digital Accelerator](#) and Accenture's technology labs jointly developed a solution to use Google Glass

in the operating theatre. They created a solution that displayed the vital signs of patients on the device during surgery. The physician can also access patient data via the Glass. The aim is to make “the right information at the right time” available for the surgeon and overlay it into their field of vision. Because of the voice activation the doctors can call up information without touching the device and without impairing sterility. In an emergency, the camera function could be used to consult a specialist even in another part of the world.

According to an [article in Forbes](#), Glass could transform the way surgeons are trained. The physician Rafael Grossmann, one of the first doctors that used Glass during a surgery, connected a mannequin, used for medical simulations, wirelessly to a laptop. In different scenarios the students had to perform operations while being remotely guided by experienced surgeons via Glass.

Scientists from the University of California, Los Angeles, have programmed a [Glass app for diagnostic tests](#). The camera takes a picture of a rapid diagnostic test and transmits the image to the software that is capable of analyzing the results. The researchers successfully tested the program on customary prostate and HIV tests. In addition, the app can use geo location data of the device to identify patterns in the spread of diseases.

-- By [Thomas Klein](#), Managing Editor, EMDT

thomas.klein@ubm.com