

PRESS RELEASE 13/04/2026

Digital technologies for modern patient care

6G Health research project successfully completed

The 6G Health research project demonstrates how the upcoming 6G mobile communications standard can make clinical processes more efficient, safer, and better connected. After three years of collaboration, the University of Leipzig, Charité Berlin, Vodafone, inomed Medizintechnik GmbH, and other partners have successfully completed the project. It was funded by the Federal Ministry of Research, Technology and Space (BMFTR).

6G is intended to help tackle the growing challenges in the healthcare sector – in particular the shortage of skilled staff. To this end, new communication and networking solutions have been developed that support patients, medical staff, and processes alike.

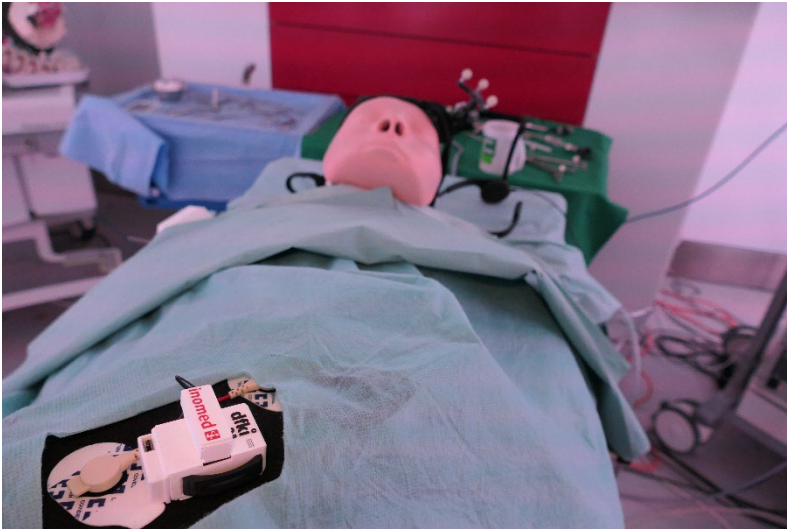
The results include:

- AI-based surgical documentation for secure teleneuromonitoring
- Real-time transmission of vital signs for faster decision-making
- Augmented reality for wayfinding in hospitals and support in the operating theatre
- Contactless sensor technology, such as radar beds, to ease the burden on nursing staff
- “Hospital at Home” for safe postoperative care in the home environment

inomed has contributed its expertise in intraoperative neuromonitoring and worked on the wireless networking of medical systems in the operating theatre. The aim is to achieve reliable, cross-vendor communication in the operating theatre.

The project results are now being incorporated into the standardisation of 6G. On this basis, marketable solutions are to be developed which, from the introduction of the new mobile communications standard – expected from 2030 – will contribute to improving patient care.

6G Health demonstrates that modern communication technologies are a key building block for the medicine of the future.



With funding from the:



Federal Ministry
of Research, Technology
and Space

Demonstrator from the 6G Health research project: Connected medical technology shows how 6G can make clinical processes more efficient and safer © ICCAS

inomed Medizintechnik GmbH

inomed develops, manufactures and distributes medical technology products in the fields of Intraoperative Neuromonitoring, Functional Neurosurgery and Pain Treatment. For almost 35 years, inomed devices have been helping to improve treatments and increase patient safety. The inomed group has over 450 employees, eleven subsidiaries and a large network of trained distributors in more than 100 countries.

Press contact:

inomed Medizintechnik GmbH

Laura Karl

press@inomed.com

Phone: +49 7641/9414-786