

9th September 2020

Press release

Insel Gruppe nominated for the Deutschen Zukunftspreis

A great honour for the Insel Gruppe: Prof. Dr. Andreas Raabe, Director and Chief Physician in the Department of Neurosurgery at the Inselspital Bern, has been nominated, in a team together with two scientists from Carl Zeiss Meditec, for the Deutschen Zukunftspreis (German Future Prize). This prize will be awarded by the German Federal President and has honoured outstanding technical, engineering and scientific achievements since 1997.

Three teams who have realised outstanding scientific innovations as economic achievements are nominated for the Deutschen Zukunftspreis. In a multi-stage process, innovations are proposed by industrial associations (e.g. the German Industry Association for optical, medical and mechatronic technologies) or research organisations (e.g. the Max Planck Institute or the Fraunhofer-Gesellschaft) and submitted to the jury, which then nominates three projects for the final round. The teams are presenting their projects today, 9th September, at the Deutsches Museum in Munich. On 25th November in Berlin, Federal President Frank-Walter Steinmeier announces the winning team. The Deutsche Zukunftspreis is endowed with 250,000 Euro and is intended to help develop economic potential and create jobs.

Great honour for Professor Andreas Raabe from the Inselspital Bern

Prof. Raabe is Director and Chief Physician in the Department of Neurosurgery at the Inselspital. Together with Dr. Michelangelo Masini and Frank Seitzinger from Carl Zeiss Meditec AG he is nominated for the Deutschen Zukunftspreis 2020. Their innovation is the robotic visualization system «KINEVO® 900 from ZEISS», introduced in 2017, which improves the efficiency and effectiveness of surgical procedures. The global population is growing, people are living longer and have increasing access to medical services. In order to meet this demand, the use of digital possibilities, translational medicine and artificial intelligence, amongst other things, is indispensable.

«ZEISS KINEVO 900» makes brain and spine operations safer

The robotic visualization system «ZEISS KINEVO 900» makes an important contribution in this respect to spinal and neurosurgery. It consists of over 100 innovations and 180 patents and

combines robotics with digital visualization and modern assistance systems. The development team cooperated with clinical partners around the world in order to define and develop a 3-in-1-system, that combines microscopic, exoscopic and endoscopic components. Since the system was launched in spring 2017 «ZEISS KINEVO 900» has received regulatory approval in over 100 countries. It is used in over 300,000 surgical procedures every year.

Innovation in microsurgery

With the «ZEISS KINEVO 900» a new era in microsurgery began. Just like the leap from a basic mobile phone to a smartphone with its helpful functions, the «ZEISS KINEVO 900» is the leap for a surgeon from microscope to a new technology platform. This platform follows the concept of a robotic assistant of the future, that can make the invisible visible with “live diagnostics” and visualization. In this way surgeons at critical times can receive important information that can influence the operation and improve the outcome for patients. This technology is designed to be future-ready for new “live” procedures, new robotic functions and new visualizations.

Award ceremony on 25th November in Berlin in the presence of the German Federal President

Prof. Raabe is pleased about the team’s nomination together with the ZEISS experts: “Cooperation between medicine and industry is a key factor for the further development and improvement of medical products and services. The Insel’s cooperation and exchange with ZEISS in the development of «ZEISS KINEVO 900» is a good example of this. I am honoured and delighted that, together with the ZEISS experts, I am nominated for the Deutschen Zukunftspreis. We are looking forward to the award ceremony on 25th November and to meeting the German Federal President Frank-Walter Steinmeier at Schloss Bellevue. Just being nominated was a great honour for us. We are curious to see how the jury will decide”.



Prof. Dr. Andreas Raabe, Director and Chief Physician in the Department of Neurosurgery at the Inselspital, has been nominated for the Deutschen Zukunftspreis together with two scientists from Carl ZEISS Meditec AG. He co-developed the robotic visualization system «ZEISS KINEVO 900», which makes operations on the brain and spine more successful, safer and minimally invasive.

Press release Carl Zeiss AG

Further information can be found in the [press release from Carl Zeiss Meditec AG](#).

Media information Insel Gruppe

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Insel Gruppe

The Insel Gruppe is Switzerland's leading group of hospitals for university and integrated medicine. It offers comprehensive health care based on ground-breaking quality, research, innovation and education. The six Insel Gruppe hospitals (Inselspital, Aarberg, Belp, Münsingen, Riggisberg and Tiefenau) carried out around 864 000 out-patient consultations and treated about 65 000 in-patients in the financial year 2019. The Insel Gruppe employs almost 10 800 members of staff from 100 nations. It provides training for a large number of professions and is the most important institution for the further training of young physicians.