

PRESS RELEASE

Better detection of heart defects in children

New cardiac cath lab system at the Centre for Pediatrics and Adolescent Medicine at Heidelberg University Hospital / In addition to blood pressure, other important monitoring data can be recorded in parallel and transferred to the electronic patient file / MICHAEL ENGLERT Foundation supports the acquisition with 30,000 euros / manufacturer Schwarzer Cardiotek sponsors project with 50,000 euros

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A new medical system has been installed to improve the diagnosis of heart defects in children at the Centre for Pediatrics and Adolescent Medicine at Heidelberg University Hospital (UKHD). The new cardiac catheter measuring station does not only allow to electronically record the vital parameters of the examination, but also to feed the blood pressure data measured in the cavities of the heart into the hospital's own electronic patient file. This means that all data is directly available for further diagnostics and therapy planning in the clinic. The measuring station was developed by Schwarzer Cardiotek especially for pediatric cardiology and can precisely display the different variations of pediatric heart defects. Schwarzer Cardiotek is supporting the UKHD in the purchase of the system with 50,000 euros. The MICHAEL ENGLERT Foundation from Kuhardt supports the purchase of the innovative device with 30,000 euros.

Schwarzer Cardiotek has been developing, producing and distributing hemodynamic and electrophysiological measurement systems and data management solutions for interventional cardiology for over 70 years. "We have been supporting international projects for children with heart disease for many years. It is a special pleasure for us to get involved with such a renowned clinic in the neighborhood of our headquarters in Heilbronn," explains Frank-Peter Klein, President and CEO of the company.

The MICHAEL ENGLERT Foundation, founded in 2017, has set itself the goal of supporting a wide range of charity work in its region. In particular, the promotion of science and education are among the foundation's primary funding goals. But the MICHAEL ENGLERT Foundation also provides assistance beyond regional borders: "Supporting this project is literally a matter which is close to our hearts. We are very pleased that we can contribute with our donation to making the treatment of children with heart disease even better in the future," says Sabrina Englert-Heid, Foundation Director.

"The new cardiac catheter measuring station improves the workflows in our clinic, which will benefit our young patients and also the staff," states Professor Dr. Matthias Gorenflo, Medical Director of the Clinic for Pediatric Cardiology and Congenital Heart Disease at the UKHD. Until now, all blood pressure data had to be entered manually into the system. "When it comes to measuring blood pressure, most people think of measuring it by using a cuff on the arm. Here in the cardiac catheterization laboratory, we measure the blood pressure directly in the vessels and within the heart. The information on how a narrowing of the vessels, for example, affects the pressure is very important for diagnostics," explains the hospital director. "With the new cardiac catheter measuring

system, other important monitoring data can be recorded electronically in addition to blood pressure. The various congenital heart diseases can thus be displayed even better," explains Gorenflo.

Heart defects are the most common congenital malformation in children: One in 100 newborns is born with this condition. The prospects for the little ones affected are much better today than they were 20 years ago - as a result of rapid medical progress, from which the patients of the Clinic for Pediatric Cardiology and Congenital Heart Disease at the UKHD also benefit. The Clinic for Pediatric Cardiology specializes in the diagnosis and treatment of all forms of congenital and acquired cardiovascular diseases in newborns, children and adolescents. Special focal points are the treatment of congenital cardiovascular diseases by means of cardiac catheterization (interventional cardiology), pediatric cardiological intensive care and the outpatient care of patients with congenital heart defects in the special consultation hours.

Further information on the Internet:

[Clinic for Paediatric Cardiology and Congenital Heart Defects at the UKHD](#)



Frank-Peter Klein, Prof. Matthias Gorenflo (center) and Sabrina Englert-Heid talking about the possibilities of the new cardiac catheter measuring station. In addition to blood pressure measurements, all important vital parameters are recorded and stored and linked to the hospital's own electronic patient file.

Source: Heidelberg University Hospital

At the new cardiac catheter measuring station in the Centre for Pediatric and Adolescent Medicine at the UKHD: (from left to right) Prof. Matthias Gorenflo (Medical Director of the Clinic for Pediatric Cardiology and Congenital Heart Disease at the UKHD), Sabrina Englert-Heid (MICHAEL ENGLERT Foundation), Christine Noske and Frank-Peter Klein (both Schwarzer Cardiotek).

Source: Heidelberg University Hospital