



## 3D Glasses make CHD clearer for pediatric patients

Picture this: 3D glasses at the pediatric cardiologist's office — not the cinema. Physicians at University Hospital Toulouse are using the glasses to help families better understand CHD and what's happening inside their child's heart.

“Look, this is your heart in 3D. Focus mainly on the right, where it's orange. This is the mitral valve,” Prof. Philippe Acar directs 10 year-old Cylian to look at his latest scans. “You look really stylish in the glasses.”

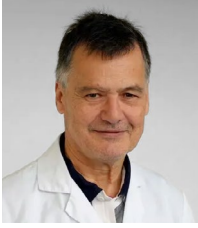
Cylian was born with an arterial trunk and has undergone one Blalock surgery and an open-heart surgery with extracorporeal circulation over the last decade. The third grader has spent a lot of time in doctors' offices. His mother acknowledges there have been many long days.

Prof. Acar recognizes the emotional weight that comes with a CHD diagnosis and how it often turns a joyful time into one of fear and uncertainty. The glasses are just one part of the team's plan to ensure families are supported at every step.

“You need to approach a diagnosis with pedagogy, humanity, and over multiple consultations. The entire diagnosis cannot be delivered abruptly or in one go, especially when the congenital heart disease is complex.”

Engaging young patients and parents is also important to Prof. Acar. The 3D glasses transform the clinical consultation into an interactive learning experience that's more meaningful for families. “It's a moment of sharing and exchange. You can't just stay in front of the screen. You have to share something using an image, in a face-to-face interaction.”

While some might dismiss the glasses as simple and fun, Cylian's family believes they point to something far more significant. The real importance lies in the 3D imaging they support — offering crucial, detailed views of Cylian's heart. “As parents of a child with congenital heart disease, we've learned a lot. The 3D technology is impressive,” his mother says. “For me, it's essential to know the facts clearly, without sugar-coating. It's important that the University Hospital of Toulouse remains at the forefront of innovation — otherwise, it complicates things for families like ours.”



**Philippe Acar, M.D., Ph.D.**, is a Professor of Pediatric Cardiology at Toulouse Children Hospital at Toulouse University. Prof. Acar has been an expert in 3D echocardiography for more than 20 years and was instrumental in developing the echo lab in 3D pediatric cardiac imaging at Toulouse. He's published more than 150 peer reviewed articles, mostly focused on 3D echocardiography. Prof Acar is Associate Editor of the Archive of Cardiovascular Diseases Journal and former president of the French Pediatric and Congenital Cardiology Association.

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9VT-D was introduced with the Ultra Edition release in August 2022 and is exclusively available on some Vivid systems. Please consult your local representative to confirm compatibility.

The statements by Prof. Acar, Dr Karsenty, Dr. Hadeed and Dr. Bina are based on their own opinions and on results that were achieved in their unique setting. Since there is no "typical" hospital/clinical setting and many variables exist, i.e., hospital size, case mix, staff expertise, etc. there can be no guarantee that others will achieve the same results.

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