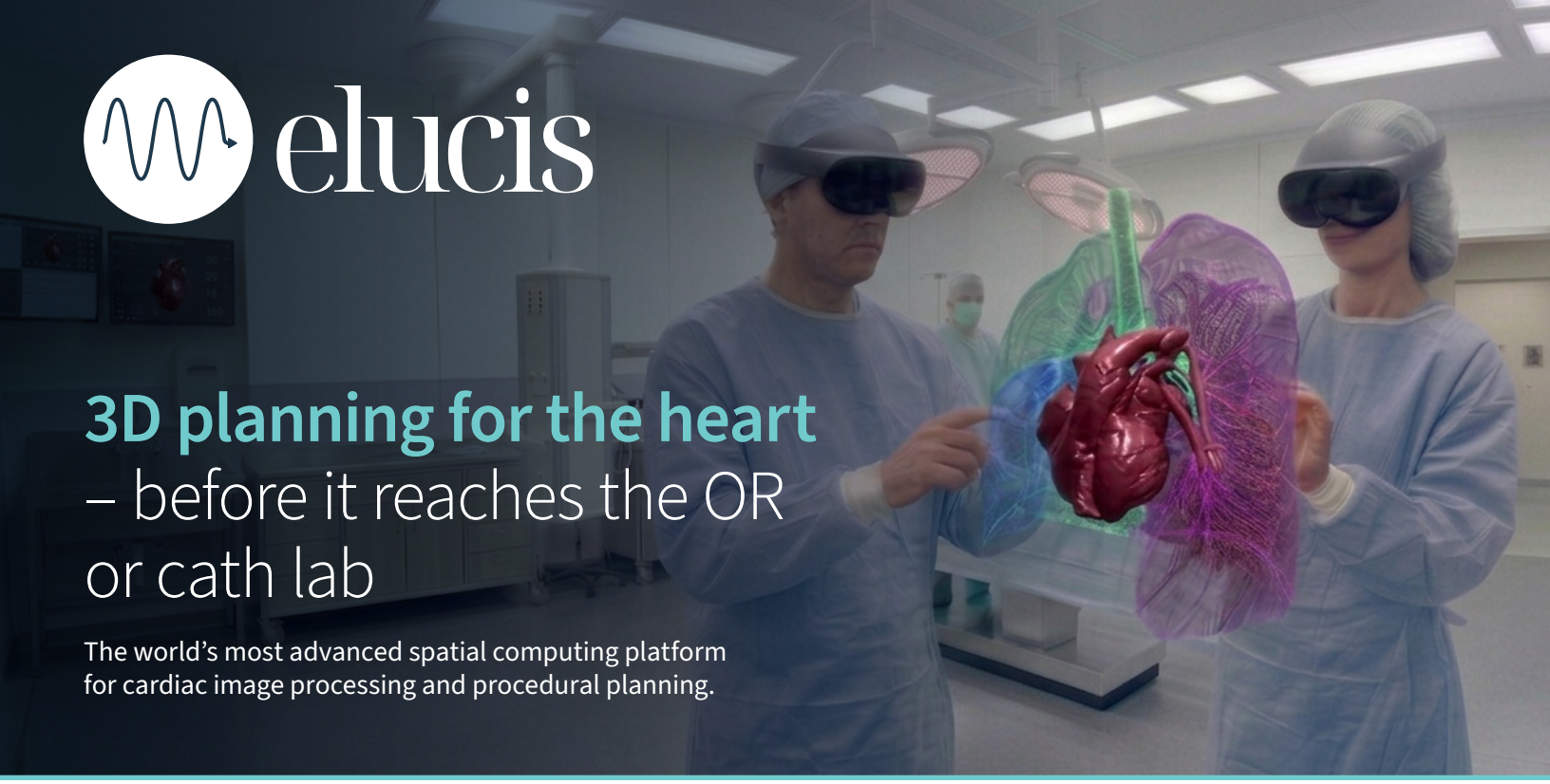
elucis



3D planning for the heart – before it reaches the OR or cath lab

The world's most advanced spatial computing platform for cardiac image processing and procedural planning.

REVOLUTIONIZING CARDIAC PROCEDURAL PLANNING

Patient-specific 3D anatomy for every congenital and structural case

Elucis converts standard cardiac CT and MR DICOM data into immersive, segmented 3D heart models that imagers, cardiologists, interventionalists and cardiothoracic surgeons can manipulate, measure, and plan together in VR. From complex congenital repairs to transcatheter device sizing – teams move faster, decide with more confidence, and walk families through anatomy they can finally see.

1,000+ cases performed annually, globally

50+ institutions globally

THE ELUCIS CARDIAC WORKFLOW

From DICOM scan to surgical plan – one connected workflow

CARDIAC IMAGERS		CARDIOLOGY & SURGERY	OR · CATH LAB
1	2	3	4
3D preparation	**Dissemination**	**Planning & discussion**	**Family engagement**
Segment cardiac CT / MR into patient-specific 3D anatomy	Share models with the surgical and interventional team	Meet in VR – measure, cut, evaluate repair & device fit	Walk families through their child's anatomy and the plan
	Live plan referral		Live guidance

Cardiac use cases | Pediatric | Adult | Congenital

Built for the cases your cardiac team plans every week

PEDIATRIC & CONGENITAL

Complex CHD – surgery & catheterization

Surgical repair

- ✓ DORV
- ✓ BIV repair
- ✓ Heterotaxy
- ✓ MAPCAs
- ✓ AV canal
- ✓ TGA
- ✓ TOF
- ✓ Baffle planning
- ✓ Vascular ring
- ✓ VAD planning

Interventional/cath lab

- ✓ TPVR
- ✓ PDA stenting
- ✓ Sinus venosus ASD
- ✓ Aortic co-arctation
- ✓ Device screening
- ✓ Anatomic fit

ADULT & ADULT-CONGENITAL

Structural, valve, and high-acuity planning

Structural & valve

- ✓ PVL closure
- ✓ Watchman leak
- ✓ TMVR · Neo-LVOT
- ✓ Valve-in-valve
- ✓ Transcatheter trajectories
- ✓ ACHD

Complex & high-acuity

- ✓ VAD planning
- ✓ Transplant evaluation
- ✓ Aortic interventions
- ✓ Re-do procedures
- ✓ Trainee education
- ✓ Anatomic teaching

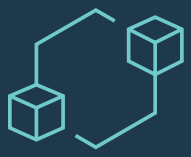
UNIQUE TECHNOLOGICAL ADVANTAGES

A complete 3D cardiac workflow – DICOM to plan

3D model creation
Patient-specific cardiac models from CT or MR DICOM – in VR or on desktop.

Interaction
Explore, edit and refine 3D anatomy fully immersed in virtual reality.

Analysis
Measure distances, angles, volumes – tied to original DICOM coordinates.



Collaboration
Connect in VR with global peers for multidisciplinary cardiac planning.

> *"Elucis has been a great addition to our congenital heart pre-planning workflow – both with surgical operations and cardiac catheterizations. Having the ability to quickly create and visualize highly specific congenital heart models has improved case planning on many levels. Being able to show families the 3D models – and to take those computer models and create 3D prints – has allowed for a better patient experience and family understanding of the intervention or surgery being planned."*
>
> **Michael Shorofsky, M.D. | Pediatric Cardiology, UVA Health**

FOX 32 CHICAGO

"A new heart for Valentine: Illinois woman thrives after rare dual organ transplant."

UVA HEALTH

"UVA Health using virtual reality to treat congenital heart disease."

300+
cardiac cases per year saved time & improved outcomes at Children's Hospital Colorado

RealizeMed.com
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