

VIRTUAL REALITY

A NEW WAY TO TRAIN AND TREAT



REPUBLIC OF ESTONIA
MINISTRY OF SOCIAL AFFAIRS



HiMSS Europe

MINDWAVE

dRi

KUMAR JACOB MBE





MINDWAVE

VIRTUAL REALITY

- PC and consoles
- Mobile
- Standalone



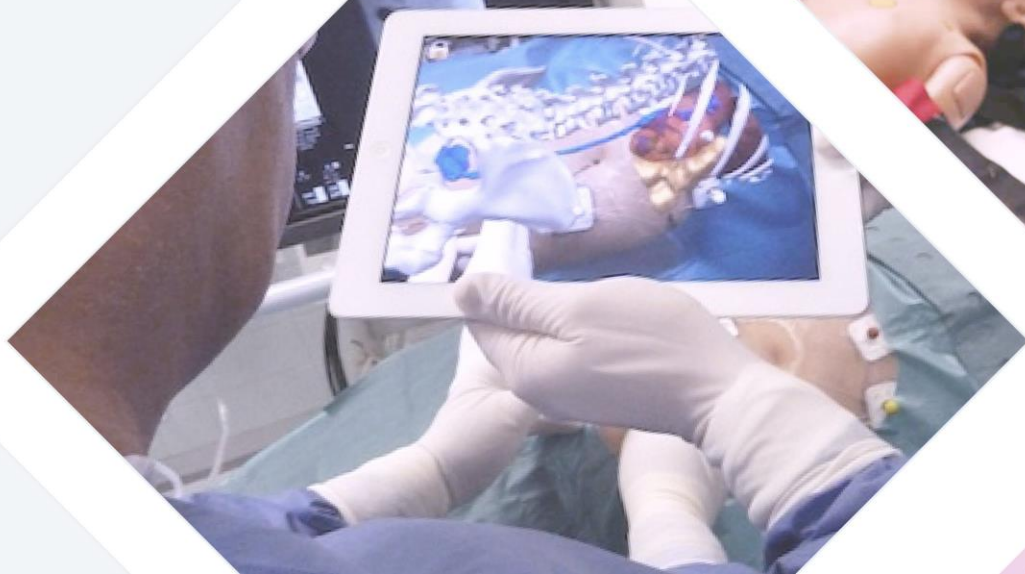
AUGMENTED REALITY

- 320 Million
- No special equipment
- Reduced cost of development

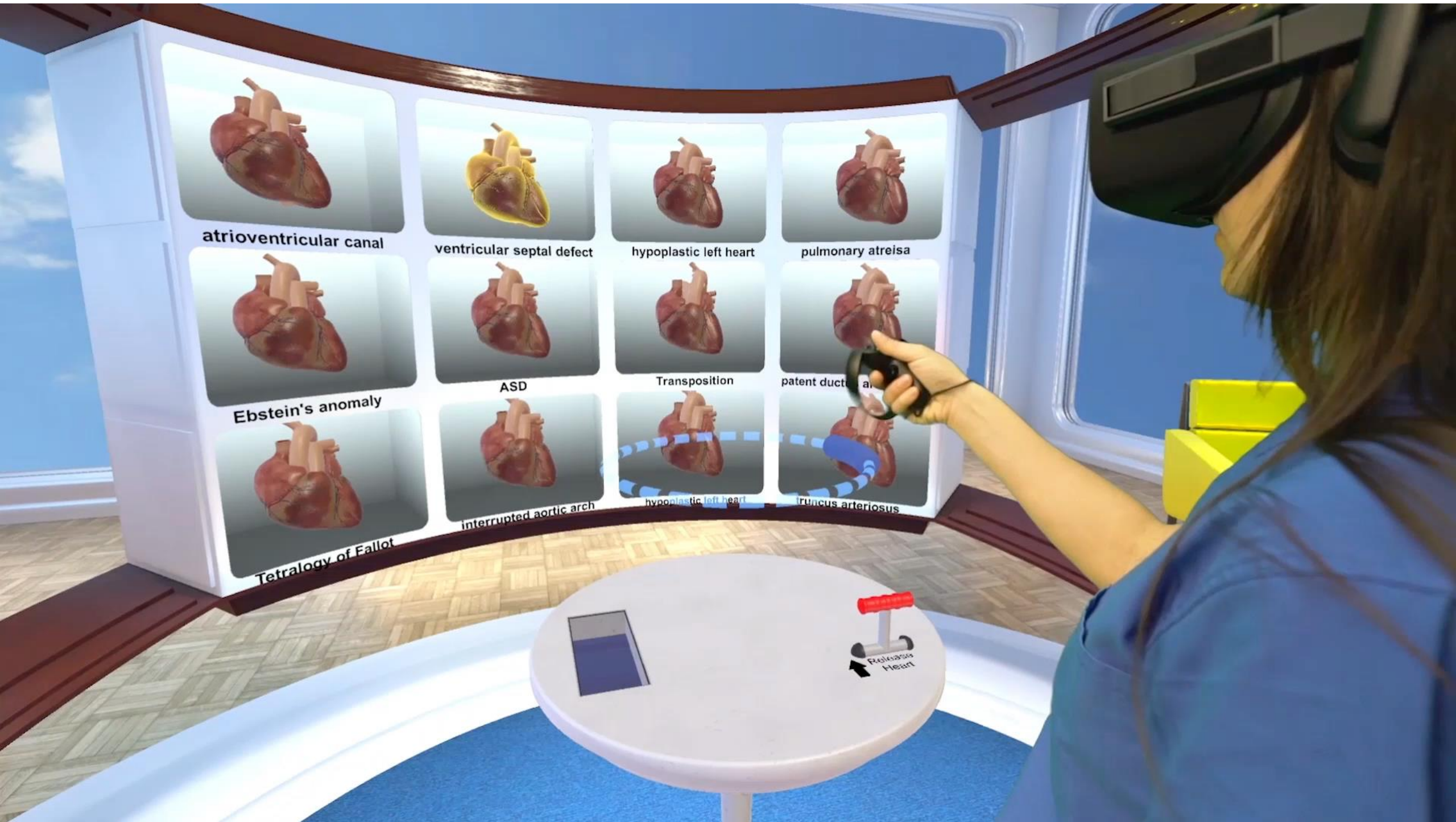


The background features three large, thin, geometric lines. A green line starts at the top center and forms a downward-pointing chevron shape. A purple line starts on the left side and forms a rightward-pointing chevron shape. A blue line starts on the right side and forms a leftward-pointing chevron shape. All lines are thin and have a slight transparency.

IMMERSIVE PRESENCE



TRAINING



atrioventricular canal

ventricular septal defect

hypoplastic left heart

pulmonary atresia

Ebstein's anomaly

ASD

Transposition

patent ductus arteriosus

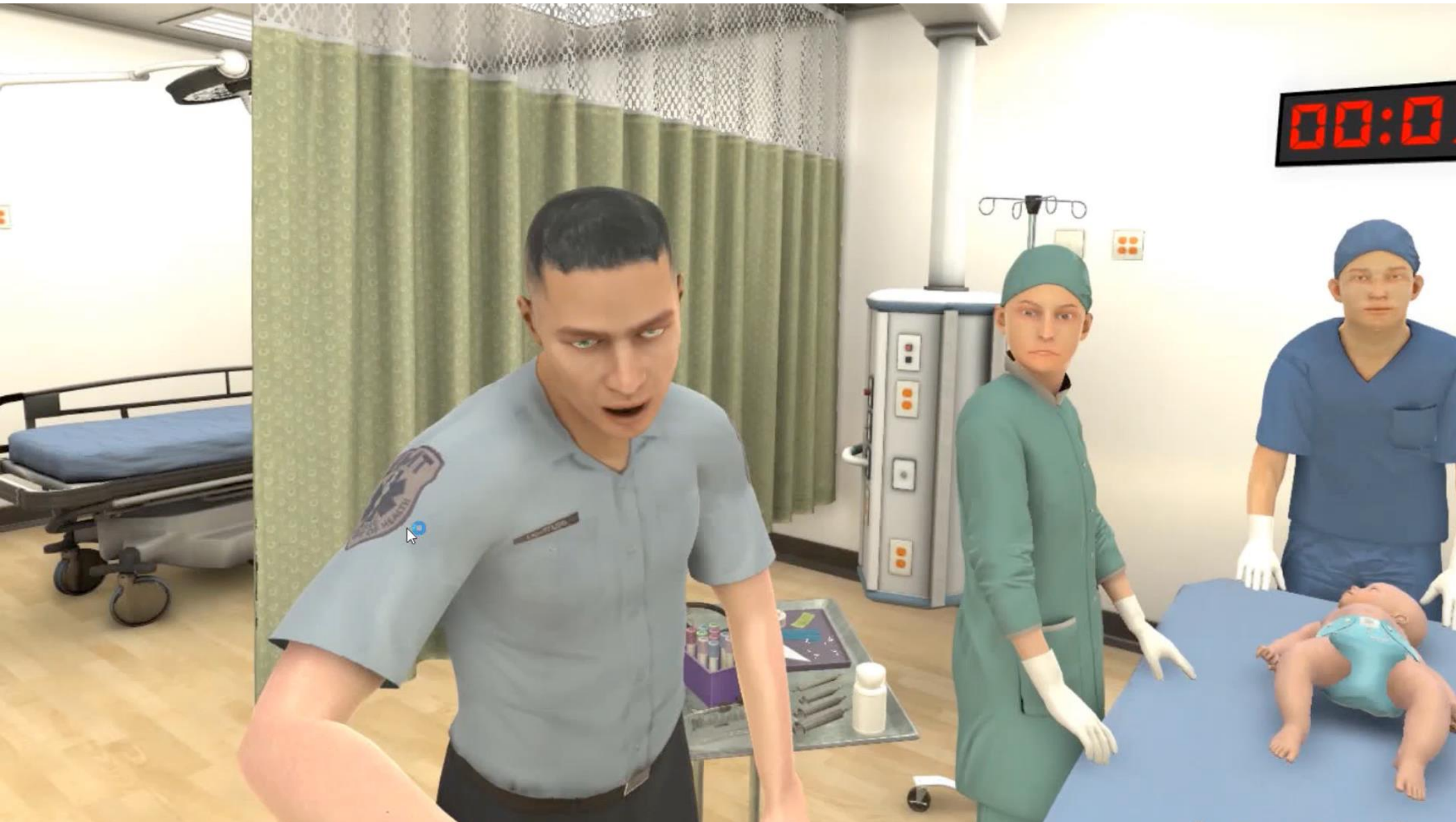
Tetralogy of Fallot

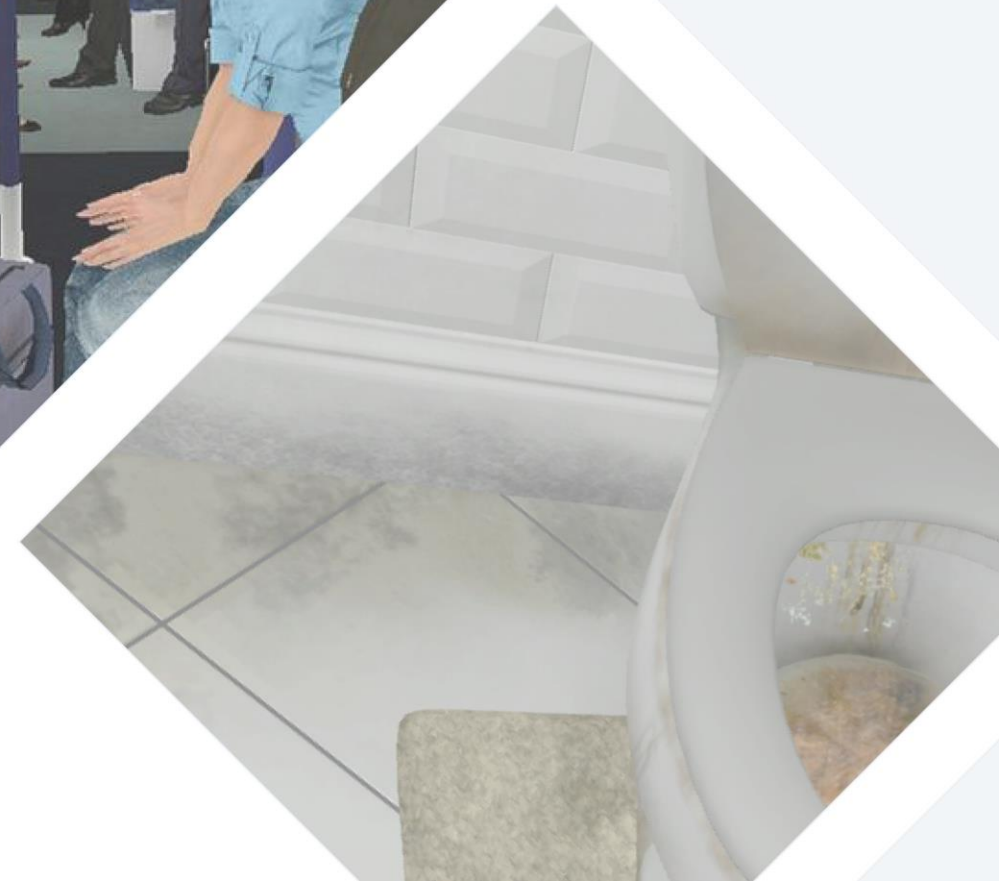
interrupted aortic arch

hypoplastic left heart



truncus arteriosus

Relax Heart





RESEARCH

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- **Paranoia - Lucia Valmaggia**
 - **Obsessive Compulsive Disorder (OCD)**
 - **Substance Misuse / Addiction**
 - **Spatial Cognition - Morris Water Maze**

TREATMENT





VR TU





- **Appropriate Technology**
- **Collaboration: clinicians, academics, developers**
- **Evidence and evaluation**

THANK YOU



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