



sano

Simulated flow. Smart care



GiraFlow

GIRAFLOW

Digital Twin for Vascular Health

Optimising
deep vein thrombosis (DVT) treatment
through personalised blood-flow simulation.



THE CLINICAL PROBLEM:



DVT requires treatment.
Flow not measured in the clinic.
Surgeons lack predictive tools.



BLOOD
PROPERTIES



BLOOD
FLOW



VEIN WALL INJURY

THE GAP:



IMAGING



PREDICTIVE
PLANNING

- Images show structure — not risk.
- Clinicians lack quantitative biomarkers for treatment planning.

- ✓ Underserved disease.
- ✓ Preventative approach.
- ✓ Digital Twin trend.

THE SOLUTION:



GIRAFLOW

Digital Twin
for Vascular Health



TURNS PATIENT SCANS
INTO VIRTUAL VEINS



SIMULATES FLOW



PROVIDES QUANTITATIVE
RISK METRICS



LIKE A FLIGHT SIMULATOR —
BUT FOR VEINS

- ✓ Personalised prediction.
- ✓ Preventative planning.



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