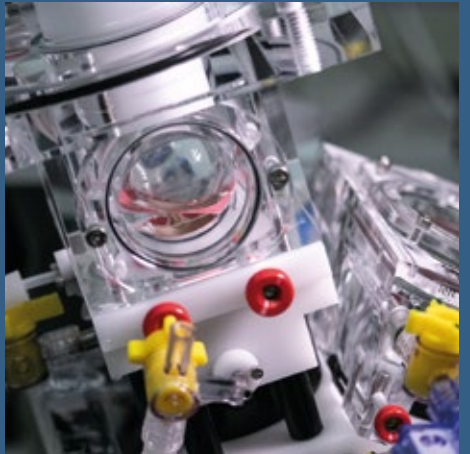
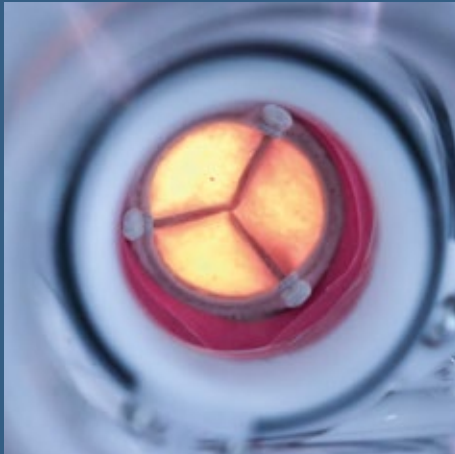
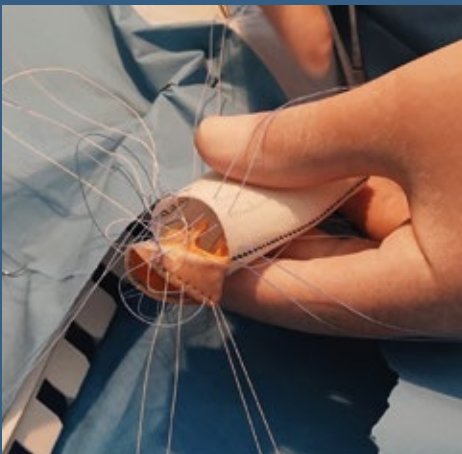
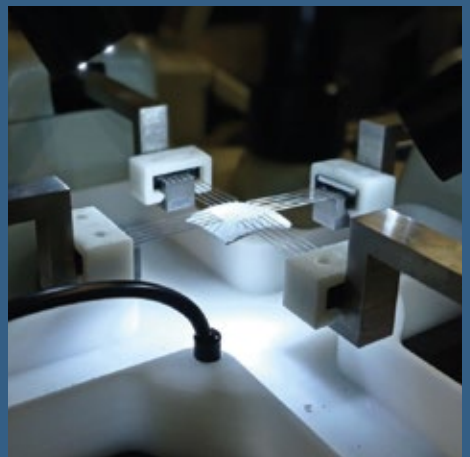
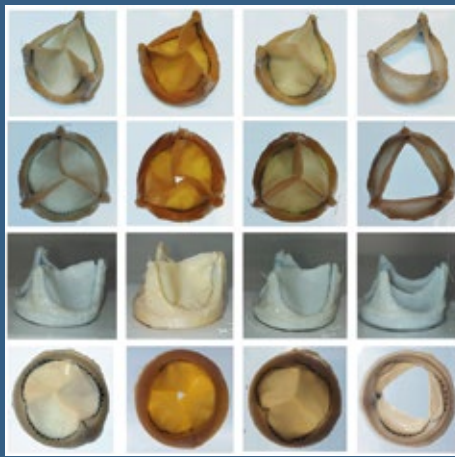
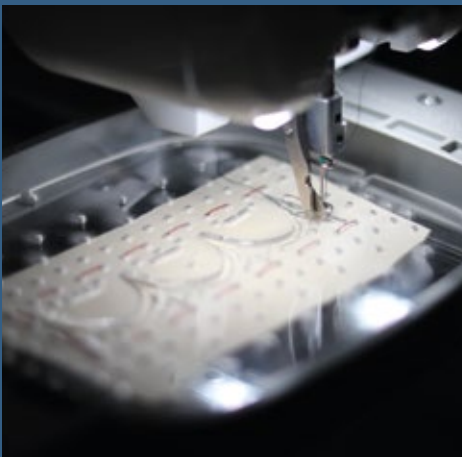
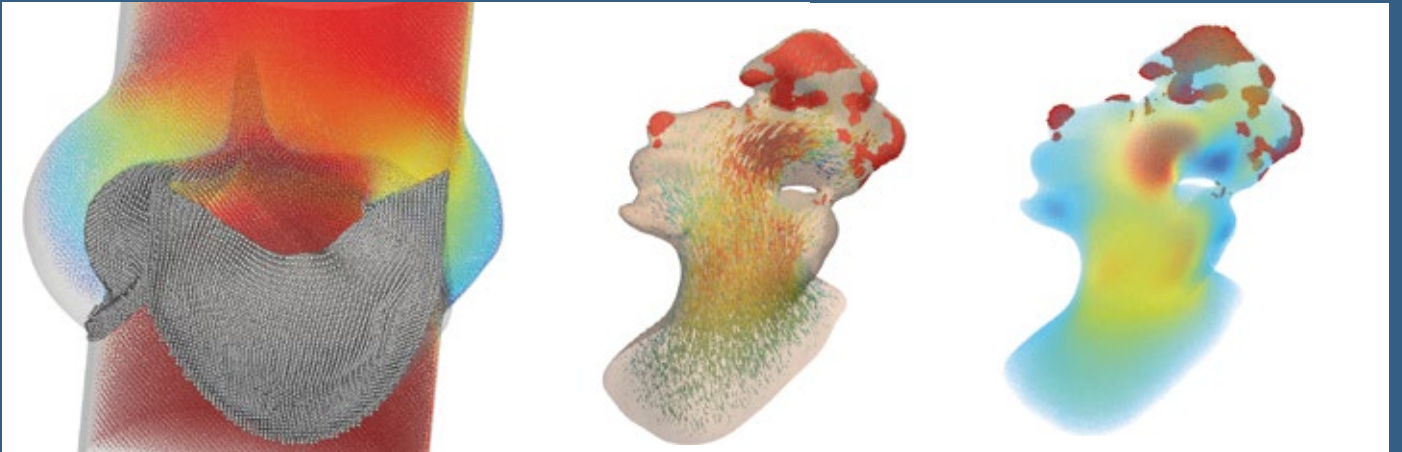




Bioengineering Group @ Ri.MED

We apply the engineering analysis and design to biological systems and biomedical technologies.





FOCUS

- Development and translation of innovative therapeutic treatments
- Next generation medical devices
- Advanced diagnostic solutions
- Therapeutic planning



AIMS

- Assist local healthcare institutes
- Provide engineering support to clinical decisions
- Facilitate development of next generation therapies and diagnostics
- Medical devices development and assessment



EXPERTISE AND RESOURCES

- Treatment and characterisation of biomaterials and biofluids
- Numerical simulation of complex and multi-physics physiological systems
- Development of in-vitro set-ups to reproduce physiological models
- Prototyping and manufacturing of medical devices
- State of the art instruments for preclinical validation of cardiovascular devices
- Skilled researchers with expertise in the different bioengineering areas
- Experience in the design and development of marketed cardiovascular devices
- State of the art instruments for preclinical validation of cardiovascular devices



OUTCOME

- 3 novel cardiovascular technologies licensed to international companies
- IP portfolio including surgical and non invasive cardiovascular solutions
- Collaborations with multinational biomedical companies
- In average, over 5 articles per year in major international journals
- Contribution to a number of academic courses in the bioengineering area



COLLABORATIONS

- ISMETT- IRCCS, Palermo, ITA
- Università degli Studi di Palermo, ITA
- Università degli studi di Padova, ITA
- Université de Technologie de Compiègne, FRA
- University College London, UK
- University of Bristol, UK
- University of Pittsburgh Medical Centre, USA
- University of Pittsburgh, USA
- Adeka, Japan



Fondazione
Ri.MED

www.fondazionerimed.eu



Ri.MED Bioengineering Group

c/o University of Palermo - Viale delle Scienze, 90100 Palermo, ITA

Group leader: Gaetano Burriesci, PhD

gburriesci@fondazionerimed.com

bioengineering@fondazionerimed.com