UNIVERSITÀ DI PAVIA
Dipartimento di Ingegneria Civile e Architettura

COMPMECH
Computational Mechanics & Advanced Materials

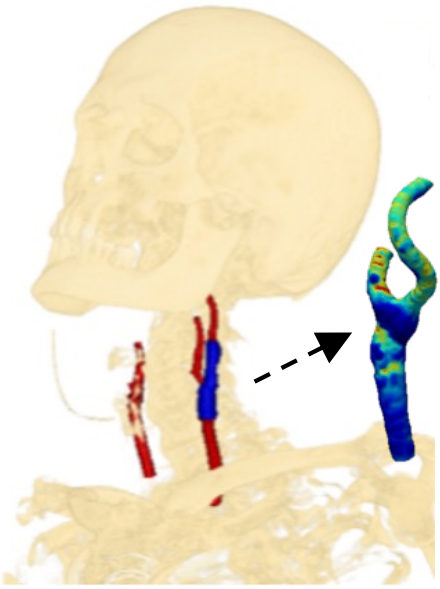
CHT

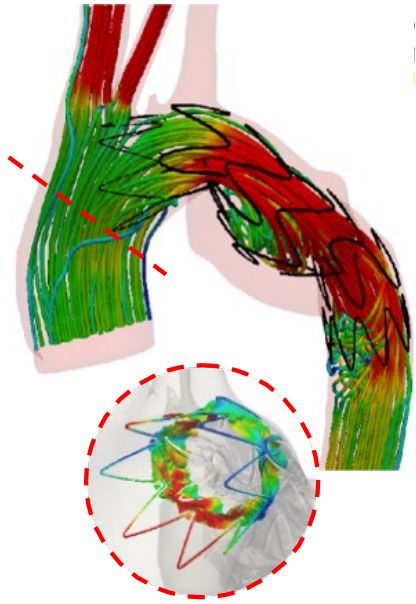
Sala della Musica, Palazzo Vistarino

9 Maggio 2023 - 09:30-17:00

II edizione del Workshop

Biomeccanica dei trattamenti endovascolari





L'impatto di strumenti (bio)ingegneristici sulla cardiologia vascolare e interventistica

Con il patrocinio di:

Con il gentile supporto di:

https://compmech.unipv.it/events/conferences-workshops/workshop-edizione-ii-biomeccanica-dei-trattamenti-endovascolari/

Organizzatore
Michele Conti (michele.conti@unipv.it)

Segreteria
eventi@pragmacongressi.it

Programma del workshop

Ora inizio	Durata	Descrizione	Chairman	Relatore	Ente	Titolo
9.30	0.20	Registrazione				
9.50	0.10			Reali A. - Conti M.	UniPV	Welcome and opening
10.00	**0.20**	Aorta	Prof. F. Auricchio; Prof. D. Palombo	**Trimarchi S.**	**UniMi**	**KN: The clinic perspective about the future biomechanical investigations of the aorta**
10.20	0.15			Pascaner A./T. Mandingers	UniPV/UniMI	Ex-vivo aortic modeling
10.35	0.15			Ramella A.	PoliMI	Planning of TEVAR procedures with experimental validation of computational models
10.50	0.15			Spinella G.	UniGE	Artificial intelligence for diagnosis of aneurysm
11.05	0.30	Coffe break				
11.35	0.15	Vascular	Prof. F. Migliavacca; Prof. G. Pratesi	Mazzaccaro D.	PSD	PREDICT project: biomechanical considerations about carotid plaque vulnerability
11.50	0.15			Bridio S.	PoliMI	Patient-specific simulation of mechanical thrombectomy procedures for the treatment of ischemic stroke
12.05	0.15			Scarpolini M. A.	Ftgm	Image Driven Computational Fluid Dynamics of the aorta
12.20	0.15			Corti A.	PoliMI	Patient-specific multiscale modeling of restenosis in femoral arteries following angioplasty
12.35	0.15			Marino M.	UniTOV	Endothelial dysfunction and vascular tone: a chemo-mechano-biological perspective
12.50	0.15			Ferrari P.F.	UniGE	Bioengineering solutions to peripheral arterial disease: biodegradable and bioabsorbable small-diameter vascular prostheses
13.05	1.00	Pausa pranzo				
14.05	**0.20**	Cardio	Prof. S. Morganti; Prof. C. De Vincentiis	**Morbiducci U.**	**PoliTO**	**KN: Endothelial Shear Stress in Coronary Artery Disease: inside and outside of the Plato's Cave**
14.25	0.15			Lo Rito M.	PSD	Necessary project: modeling anomalous coronary artery to prevent ischemia
14.40	0.15			Pennati G.	PoliMI	Development and validation of in silico simulations of stenting procedures in patient-specific coronary arteries
14.55	0.15			Crugnola L.	PoliMI	Transcatheter Aortic Valve deterioration: A Computational Fluid Dynamics study in ascending aorta
15.10	0.15			Berti - Fanni	Ftgm + PoliMI	Computational modeling of Left Atrial Appendage Occluder
15.25	0.15	Perspective Technologies	Prof. S. Marconi; Prof.ssa B. Pane	Negrello E.	3D4Med	3D printed model for stenting simulation in a high-risk pregnancy due to congenital heart disease
15.40	0.15			De Vincentiis C.	PSD	The importance of Mixed Reality in cardiovascular surgery
15.55	0.15			Righini P.	PSD	4D Flow MRI as a step forward for in-vivo assessment of aortic disease and endograft hemodynamics?
16.10	**0.20**			**Votta E.**	**PoliMI**	**KN: Patient-specific numerical models: how far are we from a real ans widespread exploitation in clinics?**
16.30				Conti M.	UniPV	Closing