

ESB-ITA 2023

Tuesday, 19 September 2023

Poster Session II - Padiglione Aule R (12:45 - 14:15)

[id] title	presenter	board
[99] P2.04 - UNRAVELING THE BIOMECHANICS OF NITINOL BONE STAPLES: A COMBINED EXPERIMENTAL AND NUMERICAL INVESTIGATION	CARBONARO, Dario	
[104] P2.09 - POSE ESTIMATION METHODS FOR GENERAL MOVEMENTS ASSESSMENT IN INFANTS: OPEN METHODOLOGICAL ISSUES	BISI, Maria Cristina	
[107] P2.12 - A MESH MORPHING TOOL FOR MOVING BOUNDARIES CFD SIMULATIONS AND WALL STIFFNESS ESTIMATION OF THE AORTA	DELL'AGNELLO, Francesca	
[109] P2.14 - WALL SHEAR STRESS TOPOLOGICAL SKELETON VARIABILITY PREDICTS PLAQUE PROGRESSION IN HUMAN CORONARY ARTERIES	DE NISCO, Giuseppe	
[110] P2.15 - VIRTUAL BENCH TESTING OF MECHANICAL HEART VALVES: A PRELIMINARY FLUID-STRUCTURE INTERACTION STUDY	ARMINIO, Mariachiara	
[114] P2.19 - ADVANCED CMR-BASED STRATEGY FOR FINITE ELEMENT ANALYSIS OF MITRAL VALVE PROLAPSE BIOMECHANICS	TONDI, Davide	
[115] P2.20 - A SURROGATE MODEL OF THE THROMBECTOMY PROCEDURE FOR IN SILICO STROKE TRIALS	BRIDIO, Sara	
[120] P2.25 - AORTIC ARCH ANGULATION INCREASES BLOOD PRESSURE IN AN EX-VIVO PORCINE MODEL	PASCANER, Ariel Fernando	
[123] P2.28 - EMG-ASSITED METHOD AND UNCONTROLLED MANIFOLD THEORY TO EXPLORE SUBOPTIMAL CONTROL IN CHILDREN	BERSANI, Alex	
[124] P2.29 - DEVELOPMENT AND VALIDATION OF A MORPHABLE ARTICULATED TOTAL BODY	ZANETTI, Elisabetta M.	
[129] P2.34 - PREDICTING BONE PLATES RUNOUT USING TENSILE STRENGTH AND GEOMETRIC PROPERTIES TO REDUCE REGULATORY TESTING	BOLOGNA, Federico Andrea	
[132] P2.37 - EXPERIMENTAL ASSESSMENT OF PELVIS SLIPPING DURING POSTLESS TRACTION FOR ORTHOPEDIC APPLICATIONS	DAGHERO, Marco	
[96] P2.01 - STANDARDIZING SURGICAL MESHES POROSITY ASSESSMENT WITH A NOVEL IMAGE ANALYSIS PROTOCOL	GIACALONE, Vincenzo	
[105] P2.10 - WALL SHEAR STRESS AND ATHEROSCLEROTIC PLAQUE PHENOTYPES IN FOCAL AND DIFFUSE CORONARY ARTERY DISEASE	LODI RIZZINI, Maurizio	
[112] P2.17 - BLOOD DYNAMICS IN THE LEFT HEART TO ASSESS TURBULENCE FOR MITRAL REGURGITATION: A COMPUTATIONAL STUDY BASED ON MULTI-SERIES CINE-MR IMAGES	BENNATI, Lorenzo	
[128] P2.33 - DEVELOPMENT OF A NOVEL NITINOL CORNEAL IMPLANT FOR THE TREATMENT OF KERATOCONUS	RAGONESE, Graziana Maria	
[113] P2.18 - ANALYSING WALL SHEAR STRESS PROFILES AND STRUCTURAL BEHAVIOR IN CAROTID BIFURCATIONS	ZAMBON, Sara	

[119] P2.24 - COMPUTATIONAL PREDICTION OF THE DEGENERATION OF TRANSCATHETER AORTIC VALVE IMPLANTATION	CRUGNOLA, Luca	
[121] P2.26 - THE EFFECT OF EARLY PROGRESSIVE RESISTIVE EXERCISE THERAPY ON BALANCE CONTROL OF PATIENTS WITH TOTAL KNEE ARTHROPLASTY	MARTINS VIEIRA, Taian	
[127] P2.32 - AN IN SILICO-IN VIVO FRAMEWORK FOR THE ACUTE OCULAR AND CARDIOVASCULAR RESPONSE TO 6° HEAD-DOWN TILT	FOIS, Matteo	
[131] P2.36 - BIOMECHANICS, KINEMATIC ANALYSIS OF ANKLE PROSTHES	CECCHINI, Enrico	
[98] P2.03 - MULTI-OBJECTIVE OPTIMIZATION OF BIORESORBABLE WIREBRAIDED STENTS	LUCCHETTI, Agnese	
[122] P2.27 - SHORT INTER-ELECTRODE DISTANCES UNDERMINE THE SENSITIVITY OF SURFACE ELECTROMYOGRAMS	MARTINS VIEIRA, Taian	
[108] P2.13 - DEVELOPMENT OF ARTERY MODELS FOR PATIENT-SPECIFIC SIMULATIONS OF CORONARY STENTING: A SIX-CASE STUDY	ANTONINI, Luca	
[116] P2.21 - A STATISTICAL SHAPE MODELING FRAMEWORK TO CORRELATE MORPHOLOGY AND HEMODYNAMICS OF COMPLEX GREAT VESSELS	MAZZOLI, Marilena	
[117] P2.22 - APPLICATION OF MACHINE LEARNING TECHNIQUE IN THE PREDICTION OF THE HEMODYNAMIC PARAMETERS OF AN ATHEROSCLEROTIC PLAQUE	JAFARPOUR, Sohrab	
[125] P2.30 - MUSCULOSKELETAL MODELLING OF A PROTHESIZED HIP ALLOWS TO DETERMINE HIP CONTACT LOADS AND LOCATIONS	PUTAME, Giovanni	
[126] P2.31 - DEVELOPMENT OF A MUSCULOSKELETAL MODEL FOR THE EVALUATION OF THE DOG'S SPINAL BIOMECHANICS	PEDROLI, Martina	
[100] P2.05 - A COMPUTATIONAL APPROACH FOR MANUFACTURING OPTIMIZATION OF 3D PRINTED FLEXIBLE INSOLES	BIANCHI, Daniele	
[101] P2.06 - SAFETY OF PORTACATH IMPLANTATION IN EVERYDAY'S LIFE: A FINITE ELEMENT STUDY	LISSONI, Vittorio	
[102] P2.07 - UPPER LIMB JOINT KINEMATICS OPTIMIZATION IN REAL-TIME THROUGH A CONSTRAINED ISB-CONSISTENT MODEL	CARUSO, Marco	
[106] P2.11 - IMPACT OF DIFFERENT PATIENT-SPECIFIC BOUNDARY CONDITIONS ON HAEMODYNAMIC MARKERS IN PERIPHERAL ARTERIAL DISEASE	NINNO, Federica	
[111] P2.16 - MODELING OF BICAVAL TRANSCATHETER SYSTEM IN SEVERE TRICUSPID REGURGITATION	CRASCÌ, Fabrizio	
[118] P2.23 - IMPACT OF VESSEL MORPHOLOGY ON HEMODYNAMICS OF LENTICULOSTRIATE ARTERIES DURING ATRIAL FIBRILLATION	TRIPOLI, Francesco	
[130] P2.35 - ANALYSING FIXATION LENGTH AS A RISK FAILURE FACTOR VIA A COMBINED MUSCULOSKELETAL AND FLEXIBLE BODY MODELING	BORRELLI, Simone	
[133] P2.38 - DEVELOPMENT OF A MARKOV CHAIN MONTE CARLO ALGORITHM TO PREDICT HIP FRACTURES IN POSTMENOPAUSAL WOMEN	SAVELLI, Giacomo	
[134] P2.39 - IN SILICO SIMULATIONS OF LUNG RECRUITMENT IN PATIENTS VENTILATED WITH AN INNOVATIVE DEVICE FOR CPAP THERAPY	FORMAGGIO, Andrea	

[135] P2.40 - EXPERIMENTAL PRESSURE COMPARISON OF COMMERCIAL CPAP DEVICES: PRELIMINARY INVESTIGATION OF TARGET PERFORMANCE	DE LUCA, Margherita	
[137] P2.41 - INVESTIGATING THE INTERVERTEBRAL DISC'S CREEP BEHAVIOUR THROUGH MATHEMATICAL MODEL. AN IN VITRO STUDY	SCIORTINO, Vincenza	