

5 September

S6M: Biomaterials - Prosthesis, gel, coatings and porous media

Chairs: Sara Ferraris, Silvia Pianigiani

BIOMECHANICAL STUDY USING TOTAL OSSICULAR REPLACEMENT PROSTHESIS OF THE
MIDDLE EAR
FERNANDA GENTIL

ZIRCONIA-TOUGHENED-ALUMINA COATINGS REALIZED BY MEANS OF PULSED PLASMA
DEPOSITION TECHNIQUE: PRELIMINARY RESULTS
NICOLA LOPOMO

FLUID DYNAMICS IN POROUS SCAFFOLDS STIMULATED WITH CYCLIC SQUEEZE PRESSURE
IN THE S2PR BIOREACTOR
MARCO FERRONI

FRACTIONAL-ORDER GENERALIZATION OF TRANSPORT EQUATIONS IN FRACTAL POROUS
MEDIA
MASSIMILIANO ZINGALES

HARD ZIRCONIA THIN FILMS REALIZED BY MEANS OF PULSED PLASMA DEPOSITION FOR
HIGH-PERFORMANCE UHMWPE INSERTS
MICHELE BIANCHI

EVALUATION OF DIFFERENT FIXATION MATERIALS FOR MANDIBULAR CONDYLE
FRACTURES
YUNUS ZIYA ARSLAN

AGE-RELATED CHANGES IN MECHANICAL PROPERTIES OF POLYPROPYLENE HERNIA
MESHES
MIGLENA K. DONEVA

NANOMECHANICAL EVALUATION OF BONE TISSUE REGENERATED BY MAGNETIC
SCAFFOLDS
MARCO BOI