

Supplementary Information

Computational Mechanics of Form-Fitting 3D-Printed Lattice-Based Hand-Wrist Orthosis for Motor Neuron Diseases

Silvia Badini ^{1,†}, Stefano Regondi ^{1,2}, Carmen Lammi ³, Carlotta Bollati ³, Giordana Donvito ¹
and Raffaele Pugliese ^{1,*},[†]

¹ Nemolab, ASST GOM Niguarda Cà Granda Hospital, Milan, 20162 Italy; silvia.badini@nemolab.it (S.B.); stefano.regondi@nemolab.it (S.R.); giordana.donvito@nemolab.it (G.D.)

² NEuroMuscular Omnicenter (NEMO), Milan 20162, Italy

³ Department of Pharmaceutical Sciences, University of Milan, Milan, 20133 Italy; carmen.lammi@unimi.it (C.L.); carlotta.bollati@unimib.it (C.B.)

* Correspondence: raffaele.pugliese@nemolab.it

† These authors contributed equally to this work.

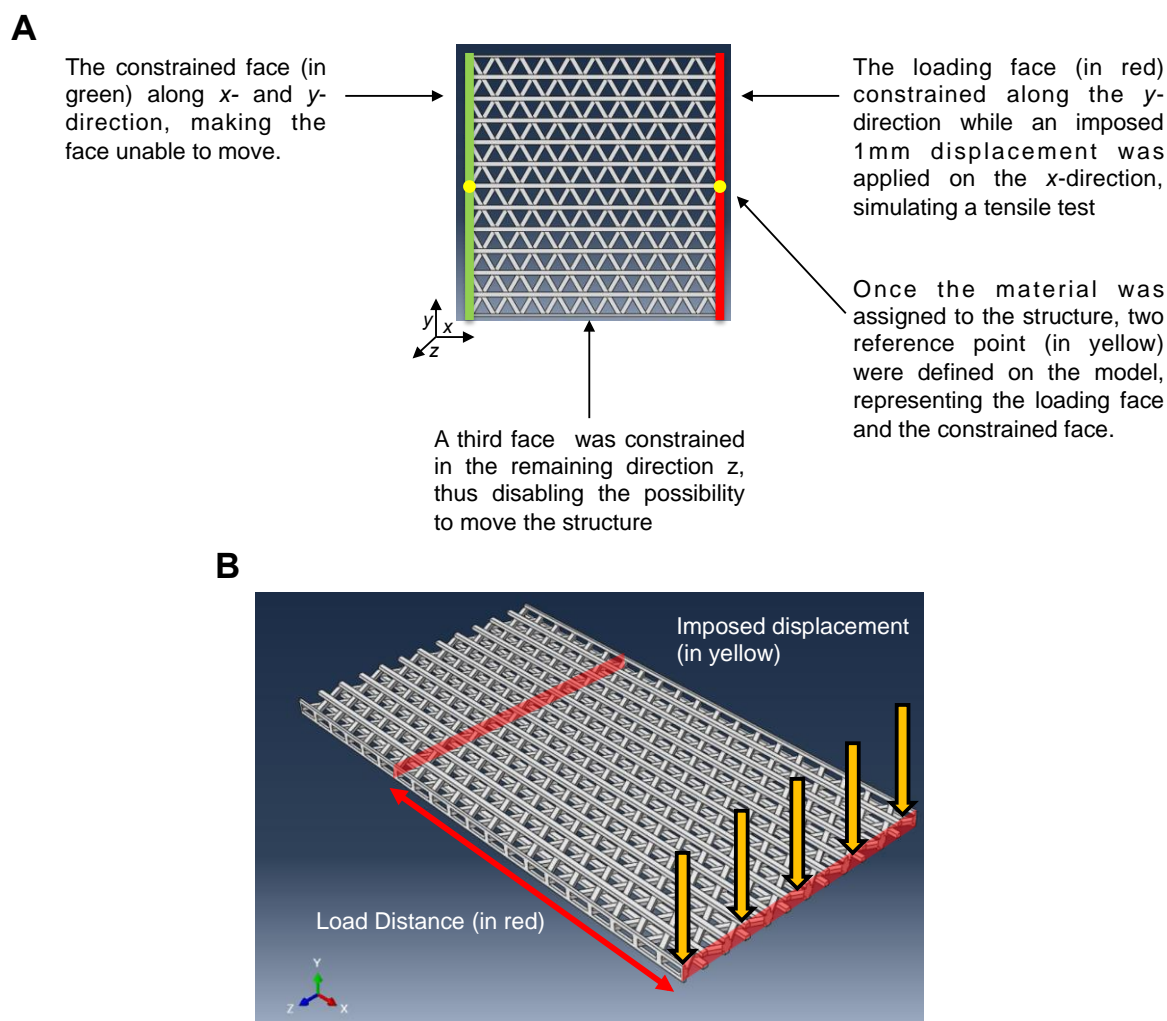


Figure S1. Details of FEM procedures for tensile and three point bending simulations. (A) Tensile test, and (B) three-point-bending simulation.

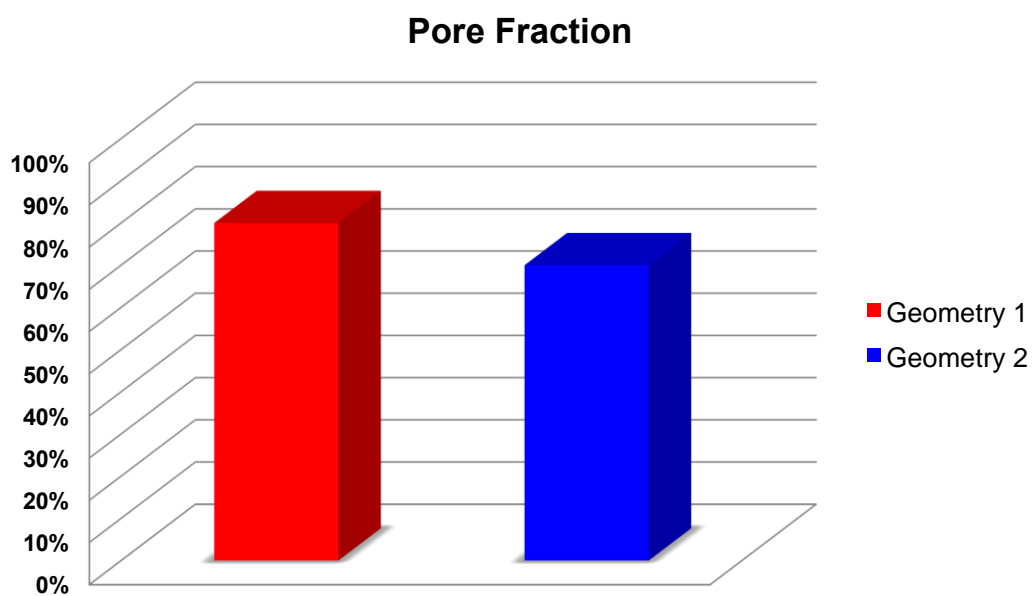


Figure S2. Designed porosity calculation obtained with Equation (1).