**Low-cost Sensor-integrated 3D Printed Personalized Prosthetic Hands for Children with Amniotic Band Syndrome: A Case Study in Sensing Pressure Distribution on an Anatomical Human-Machine Interface (AHMI) using 3D Printed Conformal Electrode Arrays**

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This supporting information contains: 1) a photograph of the 3D scanning experimental setup; 2) photographs and digital models of the different anatomical structures discussed within the main text; 3) 3D scanning data validating the prosthetic hand’s body-powered grasping action post-personalization; and 4) photographs of participant wearing the bionic prosthesis.

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**Figure A.**

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**Figure B.**

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**Figure C.**

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**Figure D.**