Annex 1: List of most important publications of the NCCR


Estimation of tool pose based on force-density correlation during robotic drilling, 2013,
IEEE Transactions on Biomedical Engineering (Journal article)

[1716] Zheng, G., Gollmer, S., Schumann, S., Dong, X., Feikas, T., Gonzalez Ballester, M.A. A
2D/3D correspondence building method for reconstruction of a patient-specific 3D bone
surface model using point distribution models and calibrated X-ray images 2009, Medical
Image Analysis, p. 883-899 (Journal article)

[1717] Studer, H., Riedwyl, H., Amstutz, C., Hanson, J., Büchner, Ph. Patient-specific finite-
element simulation of the human cornea: A clinical validation study on cataract surgery,
2012, Journal of Biomechanics (Journal article)