



Elbow Joint from CT-Scan



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Summary

Life sized CT-scan of my elbow prepared for 3D printing, including a fitting stand.

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In 2018 I had fractured my left elbow. After getting checked at the hospital I asked the nurse if I could get the CT-scans (b&w cross section images). After some search I was able to find a software that allowed me to create a precise 3D model from those images. So I printed my elbow in life size and brought it with me to my first check-up with an orthopedic doctor. He was very stoked and started explaining to me what part I fractured using the replica. I guess that's a good way to get a doctor's attention. :)

I made an additional stand and thought I'd share the set with the community because there might be someone studying or simply interested in this part of human anatomy. For reference, the model is according to life size and I'm 1.88m tall.

The bones need to be printed with supports and preferably with a raft. I have added screenshots showing how I added supports as well as pics of the print so you know how to print it successfully.

Print Settings

Printer: Creality CR-10S

Rafts: Yes

Supports: Yes

Resolution: 0.1-0.2mm

Infill: 10-20%

Filament: Das Filament PLA Multicolor Galaxy

Model files



elbow_1.stl



connection.stl



elbow_2.stl



platform.stl



elbow_3.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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