Automated segmentation of the human spine on CT images from point-level labels.

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Background

1.1 Problem description

Short intro about minimally invasive (back) surgery

1.2 Medical imaging

Part about the technology to generate the data: CT and MRI.

1.3 Artificial intelligence for medicine

Short intro: what is AI and how can it be used in medicine.

1.4 Methodology

1.5 Data used

source fo the data used: [1]

Appendix A

Additional

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Bibliography

[1] Brian Nett, Jie Tang, Shuai Leng, and Guang-Hong Chen. Tomosynthesis via total variation minimization reconstruction and prior image constrained compressed sensing ({PICCS}) on a C-arm system. In Jiang Hsieh and Ehsan Samei, editors, *Medical Imaging 2008: Physics of Medical Imaging.* SPIE, 2008.