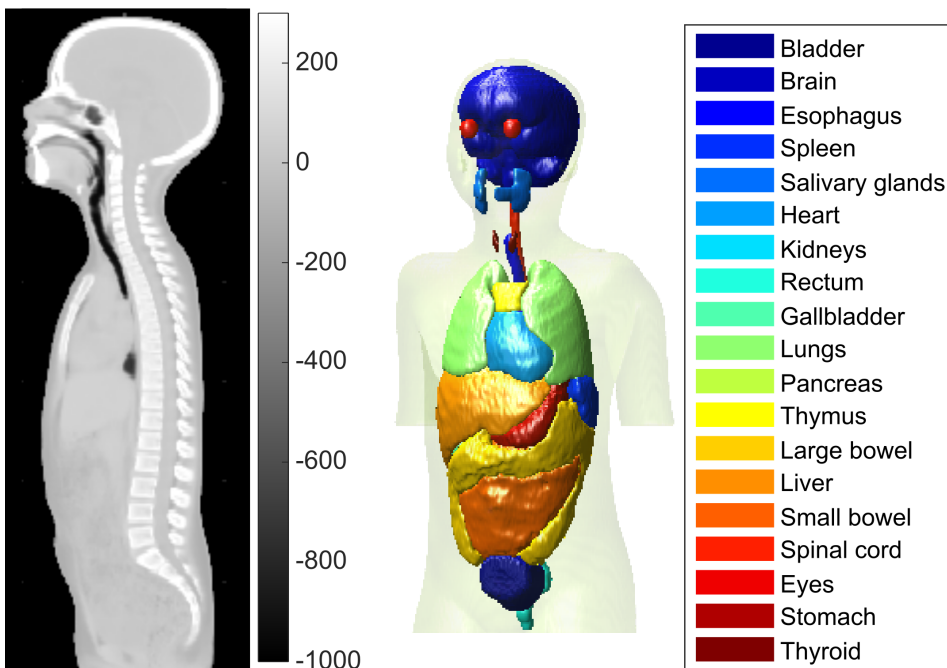


## RT-PAL: Radiotherapy Paediatric Atlas

**The Radiotherapy Paediatric Atlas (RT-PAL) is a set of 3D images that make a virtual model of an average paediatric patients across developmental stages. The models were developed for radiotherapy academic (non-commercial) research use.**

RT-PAL is a set of 3D images that make a virtual models of average paediatric patients across developmental stages and were developed for academic research use.

### RT-PAL 2021 model



The RT-PAL models were generated by merging computed tomography (CTs) from a population of paediatric radiotherapy patients.

Full description of the methodology used for its synthesis can be found in [Veiga et al \(2021\)](#).

The atlases serve for a range of applications in radiotherapy-related research. It was developed with the aim of facilitating research into late effects of radiotherapy in paediatric patients, as it serves as a common reference frame to spatially standardise this complex population. They may also be used for other applications, such as reconstruction of radiotherapy doses, quality assurance, research & development of novel radiotherapy/diagnostic exposures, etc.

The atlases were built through a collaboration with University College London Hospitals.

Further information available in our [website](#).

### Category

Healthcare Tools

Software/Bioinformatics

### Authors

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### Learn more



## References

1. Veiga C, Lim P, Anaya VM, Chandy E, Ahmad R, D'Souza D, Gaze M, Moinuddin S, Gains J(2021 May 4), <https://doi.org/10.1088/1361-6560/abf010>, Phys Med Biol