Open Simulated 4D PET Data

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Examples of Open Simulated PET Datasets

1. OncoPET_DB web page: https://www.creatis.insa-lyon.fr/oncoPET_DB


Le Maitre A, Segars WP, Marache S, et al. Computed data, that describes the anatomy and breathing-motion of individual cancer patients, is used to increase the realism of computer models that represent the patients bodies. Proceedings of the IEEE. 2009;97(12):2026-2038.

2. PET-SORTEO (Simulation Of Realistic Tridimensional Emitting Objects) Database: http://sorteo.cermep.fr

Open Access Simulated PET-MR Datasets Based on Real MR Acquisitions

http://www.isd.kcl.ac.uk/pet-mri/simulated-data
4D Phantom Data Available (1)

1. Dynamic MR acquisition/derived motion fields

2. MR segmentations: tissue, lungs, liver, kidneys, bones

3. FDG and attenuation values (in 4D)

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<td>MR acquisitions</td>
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<td>MR derived motion fields (10 gates)</td>
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<td>Simulated projection data (with Poisson noise)</td>
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<td>100 motion corrected reconstructed images</td>
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Data Cite & Data Citation Index

http://www.datacite.org/
Acknowledgments

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HYPERimage, EU funded project: 201651, hybrid-pet-mr.eu
SUBLIMA, EU funded project: 241711, sublima-pet-mr.eu
Additional Information