



CENTER OF DIAGNOSTICS AND TELEMEDICINE

MosMedData XR with signs of the chest organs pathologies type II

About Dataset

This dataset contains the results of X-ray of the chest with chest organs pathologies signs, as well as without signs (norm). The research data were collected in the radiology departments of medical institutions in Moscow in the period from 06.05.2022 to 27.05.2022.

Disclaimer

This dataset is intended to be used as:

- educational material for medical imaging specialists showing intrinsic radiological signs of chest organs pathologies;
- a dataset for development, training and testing of AI-based services that;
- information source for medical specialists and broad audience.

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General Information

Dataset Title

MosMedData XR with signs of the chest organs pathologies type II

Internal Code

CHESTPAT

Annotation Class

2-C

Keywords

X-ray, XR, chest, cancer, neoplasm, tuberculosis, trauma, pneumonia

Language

English, Russian

Funding Sources

Internal funding

Dataset Version

1.1

Permanent link

<https://mosmed.ai/datasets/mosmeddata-rg-s-priznakami-patologij-ogk-tip-ii/>

Release Date

27.07.2022

Affiliation and Contributors

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Data Structure

```
.
|-- dataset_registry.xlsx
|-- README_EN.md
|-- README_RU.md
|-- README_EN.pdf
|-- README_RU.pdf
`-- studies
    |--studyUID_X
    |   |-- seriesUID_X
    |   |   |-- UID_X.dcm
    |   |   |-- UID_X.dcm
    |   |   `-- ...
    |   |
    |   `-- seriesUID_X
    |       |-- UID_X.dcm
    |       |-- UID_X.dcm
    |       `-- ...
    |--studyUID_X
    |   |-- seriesUID_X
    |   |   |-- UID_X.dcm
    |   |   |-- UID_X.dcm
```

```

| | | `-- ...
| | |
| | | `-- seriesUID_X
| | |   |-- UID_X.dcm
| | |   |-- UID_X.dcm
| | |   `-- ...
| | `-- ...
| `-- ...
`-- ...

```

- README_EN.md and README_RU.md contain general information about the dataset; they have been saved in Mark-down format in English and Russian languages, respectively. README_EN.pdf and README_RU.pdf contain the same information but have been saved in PDF format for the ease of convenience.
- dataset_registry.xlsx contains a list of studies included in the dataset, the path to the corresponding file.
- The studies directory contains studyUID-X directories, each of which contains studies in DICOM format.

Data Overview

Property	Value
Number of studies, pcs.	179
Number of patients, ppl.	179
Distribution by sex,ppl (M/ F)	87/ 92
Distribution by age, years (min./ median/ max.)	18/ 60/ 94
Number of studies in each category, psc. (With pathology/ Without pathology)	91/ 88

Sharing and Access Information

License

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Citation

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