



Improving cancer diagnosis
and prediction with
AI and big data

**A Multimodal AI-based Toolbox and an Interoperable Health Imaging Repository
for the Empowerment of Imaging Analysis related to the Diagnosis, Prediction
and Follow-up of Cancer**

INCISIVE data on Colorectal cancer

Grant Agreement n 952179



Data Contributor	Oncology Institute of Vojvodina, University of Novi Sad
Primary Investigator	Jasmina Boban
Prior de-identification tools used	no
Modalities	MRI, CT
Body parts examined	pelvis, abdomen
Number of patients	673
Gender Percentage	59% M, 41% F
Age mean & std values	64 +/- 11
Country of origin	Serbia
Ethnicity percentage	100% white
Studies per patient	min: 1, max: 10, average: 2.30, std: 1.65
Approximate date range of image studies	2008-2021
Series per study	min: 2, max: 65, average: 14.78, std: 9.74
Percentage of complete cases (Clinical metadata include all mandatory fields and imaging data at baseline and at least one timepoint)	25
Details of DICOM Series Descriptions	MRI: T2W Oblique/Axial/Sagittal/Coronal (SmallFOV) DWI CT scan PETCT
Vendor(s)	Siemens 1437, Unknown 1

Data Contributor	Papageorgiou Hospital
Primary Investigator	Ioanna Chouvarda
Prior de-identification tools used	none
Modalities	CT, MR, Histological, Xray, PET/CT
Body parts examined	pelvis, abdomen
Number of patients	225
Gender Percentage	56,05 % male, 43,95% female
Age mean & std values	68 +/- 10
Country of origin	Greece
Ethnicity percentage	100% 'Any other white background'
Studies per patient	min: 1, max: 9, average: 2,45, std: 1,58
Approximate date range of image studies	2000-present
Series per study	min: 1, max: 81, average: 10,76, std: 17,98
Percentage of complete cases (Clinical metadata include all mandatory fields and imaging data at baseline and at least one timepoint)	52%
Details of DICOM Series Descriptions	MRI:T2W Oblique/Axial/Sagittal/Coronal (SmallFOV), DWI - CT scan - PETCT
Vendor(s)	Agfa, GE MEDICAL SYSTEMS, Philips, Philips Healthcare

Data Contributor	German Oncology Center
Primary Investigator	Yiannis Roussakis
Prior de-identification tools used	no
Modalities	CT, MRI, PET/CT
Body parts examined	
Number of patients	
Gender Percentage	
Age mean & std values	
Country of origin	Cyprus
Ethnicity percentage	100% 'Any other white background'
Studies per patient	1 to 3
Approximate date range of image studies	
Series per study	
Percentage of complete cases (Clinical metadata include all mandatory fields and imaging data at baseline and at least one timepoint)	
Details of DICOM Series Descriptions	
Vendor(s)	GE, Siemens

Data Contributor	University of Rome Tor Vergata, Rome, Italy
Primary Investigator	Prof Agostino Chiaravalloti
Prior de-identification tools used	no
Modalities	PET/CT
Body parts examined	pelvis, abdomen
Number of patients	116
Gender Percentage	23% F, 73%M
Age mean & std values	60 +/- 13
Country of origin	Italy
Ethnicity percentage	1.7% black; 98.3% white
Studies per patient	1 or 2
Approximate date range of image studies	2015-2023
Series per study	2 (one for PET and one for CT)
Percentage of complete cases (Clinical metadata include all mandatory fields and imaging data at baseline and at least one timepoint)	38%
Details of DICOM Series Descriptions	
Vendor(s)	GE

Data Contributor	University of Naples Federico II, Naples, Italy
Primary Investigator	Prof Alberto Cuocolo
Prior de-identification tools used	no
Modalities	PET/CT, MRI, CT
Body parts examined	pelvis, abdomen
Number of patients	48 cases (41 retro + 7 prosp)
Gender Percentage	57% male, 43% female
Age mean & std values	
Country of origin	Italy
Ethnicity percentage	100% white
Studies per patient	1 to 4 studies
Approximate date range of image studies	2016-2023
Series per study	
Percentage of complete cases (Clinical metadata include all mandatory fields and imaging data at baseline and at least one timepoint)	
Details of DICOM Series Descriptions	
Vendor(s)	Philips, Siemens, GE