Pretreatment F-FDG PET/CT Radiomics Predict Local Recurrence in Patients Treated with Stereotactic Body Radiotherapy for Early-Stage Non-Small Cell Lung Cancer: A Multicentric Study

#	Paper	IF	Citations
98	Application of Radiomics for Personalized Treatment of Cancer Patients. *Cancer Management and Research*, **2019**, 11, 10851-10858	3.6	11
97	Early response evaluation using primary tumor and nodal imaging features to predict progression-free survival of locally advanced non-small cell lung cancer. *Theranostics*, **2020**, 10, 11707-11718	12.1	11
96	Use of radiomics in the radiation oncology setting: Where do we stand and what do we need?. *Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique*, **2020**, 24, 755-761	1.3	6
95	Development and Validation of a Radiomics Nomogram Based on F-Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography and Clinicopathological Factors to Predict the Survival Outcomes of Patients With Non-Small Cell Lung Cancer. *Frontiers in Oncology*, **2020**, 10, 1042	5.3	7
94	SBRT combined with PD-1/PD-L1 inhibitors in NSCLC treatment: a focus on the mechanisms, advances, and future challenges. *Journal of Hematology and Oncology*, **2020**, 13, 105	22.4	17
93	Molecular Imaging?. *Journal of Nuclear Medicine*, **2020**, 61, 1428-1434	8.9	1
92	Radiomics and deep learning in lung cancer. *Strahlentherapie Und Onkologie*, **2020**, 196, 879-887	4.3	35
91	Preoperative Prediction Power of Imaging Methods for Microvascular Invasion in Hepatocellular Carcinoma: A Systemic Review and Meta-Analysis. *Frontiers in Oncology*, **2020**, 10, 887	5.3	11
90	Imaging in Therapy Response Assessment and Surveillance of Lung Cancer: Evidenced-based Review With Focus on the Utility of F-FDG PET/CT. *Clinical Lung Cancer*, **2020**, 21, 485-497	4.9	4
89	Performance comparison of modified ComBat for harmonization of radiomic features for multicenter studies. *Scientific Reports*, **2020**, 10, 10248	4.9	46
88	Value of F-FDG PET/CT radiomic features to distinguish solitary lung adenocarcinoma from tuberculosis. *European Journal of Nuclear Medicine and Molecular Imaging*, **2021**, 48, 231-240	8.8	12
87	Radiomics features as predictive and prognostic biomarkers in NSCLC. *Expert Review of Anticancer Therapy*, **2021**, 21, 257-266	3.5	6
86	Biology-guided radiotherapy: redefining the role of radiotherapy in metastatic cancer. *British Journal of Radiology*, **2021**, 94, 20200873	3.4	14
85	Artificial intelligence applications for oncological positron emission tomography imaging. *European Journal of Radiology*, **2021**, 134, 109448	4.7	7
84	Potentials and caveats of AI in hybrid imaging. *Methods*, **2021**, 188, 4-19	4.6	7
83	Harmonized pretreatment quantitative volume-based FDG-PET/CT parameters for prognosis of stage I-III breast cancer: Multicenter study. *Oncotarget*, **2021**, 12, 95-105	3.3	4
82	A Systematic Review of PET Textural Analysis and Radiomics in Cancer. *Diagnostics*, **2021**, 11,	3.8	8

#	Reference	IF	Citations
81	Quantitative FDG PET Assessment for Oncology Therapy. *Cancers*, **2021**, 13,	6.6	4
80	Clinical perspectives for the use of total body PET/CT. *European Journal of Nuclear Medicine and Molecular Imaging*, **2021**, 48, 1712-1718	8.8	3
79	The promise of artificial intelligence and deep learning in PET and SPECT imaging. *Physica Medica*, **2021**, 83, 122-137	2.7	34
78	Artificial intelligence: Deep learning in oncological radiomics and challenges of interpretability and data harmonization. *Physica Medica*, **2021**, 83, 108-121	2.7	20
77	Structural and functional radiomics for lung cancer. *European Journal of Nuclear Medicine and Molecular Imaging*, **2021**, 48, 3961-3974	8.8	7
76	AI-based detection of lung lesions in [F]FDG PET-CT from lung cancer patients. *EJNMMI Physics*, **2021**, 8, 32	4.4	6
75	Radiomics for prediction of radiation-induced lung injury and oncologic outcome after robotic stereotactic body radiotherapy of lung cancer: results from two independent institutions. *Radiation Oncology*, **2021**, 16, 74	4.2	2
74	Reproducibility of radiomic features using network analysis and its application in Wasserstein-means clustering. *Journal of Medical Imaging*, **2021**, 8, 031904	2.6	0
73	The Role of Radiomics in Lung Cancer: From Screening to Treatment and Follow-Up. *Frontiers in Oncology*, **2021**, 11, 603595	5.3	5
72	Application of PET/CT image under convolutional neural network model in postoperative pneumonia virus infection monitoring of patients with non-small cell lung cancer. *Results in Physics*, **2021**, 26, 104385	3.7	1
71	Value of PET imaging for radiation therapy. *Nuklearmedizin - NuclearMedicine*, **2021**, 60, 326-343	1.8	0
70	A subregion-based positron emission tomography/computed tomography (PET/CT) radiomics model for the classification of non-small cell lung cancer histopathological subtypes. *Quantitative Imaging in Medicine and Surgery*, **2021**, 11, 2918-2932	3.6	2
69	Quantitative radiomics features in diffuse large B-cell lymphoma: does segmentation method matter?. *Journal of Nuclear Medicine*, **2021**,	8.9	1
68	Value of PET imaging for radiation therapy. *Strahlentherapie Und Onkologie*, **2021**, 197, 1-23	4.3	1
67	A transfer learning approach to facilitate ComBat-based harmonization of multicentre radiomic features in new datasets. *PLoS ONE*, **2021**, 16, e0253653	3.7	3
66	Evaluation and optimization of radiomics features stability to respiratory motion in F-FDG 3D PET imaging. *Medical Physics*, **2021**, 48, 5165-5178	4.4	3
65	F-FDG PET baseline radiomics features improve the prediction of treatment outcome in diffuse large B-cell lymphoma. *European Journal of Nuclear Medicine and Molecular Imaging*, **2021**, 1	8.8	9
64	Multiblock Discriminant Analysis of Integrative F-FDG-PET/CT Radiomics for Predicting Circulating Tumor Cells in Early-Stage Non-small Cell Lung Cancer Treated With Stereotactic Body Radiation Therapy. *International Journal of Radiation Oncology Biology Physics*, **2021**, 110, 1451-1465	4	4

63	FDG PET biomarkers for prediction of survival in metastatic melanoma prior to anti-PD1 immunotherapy. *Scientific Reports*, **2021**, 11, 18795	4.9	2
62	Combining computed tomography and biologically effective dose in radiomics and deep learning improves prediction of tumor response to robotic lung stereotactic body radiation therapy. *Medical Physics*, **2021**, 48, 6257-6269	4.4	4
61	The Combination of Radiotherapy With Immunotherapy and Potential Predictive Biomarkers for Treatment of Non-Small Cell Lung Cancer Patients. *Frontiers in Immunology*, **2021**, 12, 723609	8.4	5
60	F-FDG PET/CT Radiomics for Preoperative Prediction of Lymph Node Metastases and Nodal Staging in Gastric Cancer. *Frontiers in Oncology*, **2021**, 11, 723345	5.3	2
59	Harmonization strategies for multicenter radiomics investigations. *Physics in Medicine and Biology*, **2020**, 65, 24TR02	3.8	29
58	Tumor response prediction in Y radioembolization with PET-based radiomics features and absorbed dose metrics. *EJNMMI Physics*, **2020**, 7, 74	4.4	4
57	Artificial intelligence and hybrid imaging: the best match for personalized medicine in oncology. *European Journal of Hybrid Imaging*, **2020**, 4, 24	1.7	14
56	Nuclear medicine radiomics in precision medicine: why we can't do without artificial intelligence. *Quarterly Journal of Nuclear Medicine and Molecular Imaging*, **2020**, 64, 278-290	1.4	1
55	A novel analytic approach for outcome prediction in diffuse large B-cell lymphoma by [F]FDG PET/CT. *European Journal of Nuclear Medicine and Molecular Imaging*, **2021**, 1	8.8	4
54	Identification of Stage IIIC/IV EGFR-Mutated Non-Small Cell Lung Cancer Populations Sensitive to Targeted Therapy Based on a PET/CT Radiomics Risk Model. *SSRN Electronic Journal*,		1
53	Radiomics for Predicting Lung Cancer Outcomes Following Radiotherapy: A Systematic Review. *Clinical Oncology*, **2021**,	2.8	2
52	Translation of Precision Medicine Research Into Biomarker-Informed Care in Radiation Oncology. *Seminars in Radiation Oncology*, **2022**, 32, 42-53	5.5	1
51	Radiomics in Malignant Lymphomas.		0
50	Identifying F-FDG PET-metabolic radiomic signature for lung adenocarcinoma prognosis via the leveraging of prognostic transcriptomic module.. *Quantitative Imaging in Medicine and Surgery*, **2022**, 12, 1893-1908	3.6	0
49	Impact of feature harmonization on radiogenomics analysis: Prediction of EGFR and KRAS mutations from non-small cell lung cancer PET/CT images.. *Computers in Biology and Medicine*, **2022**, 142, 105230	7	3
48	High-dimensional role of AI and machine learning in cancer research.. *British Journal of Cancer*, **2022**,	8.7	1
47	Correlation between PET/CT findings and pathological features of mediastinal lymph nodes in non-small cell lung cancer. *Minerva Medica*, **2021**,	2.2	
46	Harnessing chlorin e6 loaded by functionalized iron oxide nanoparticles linked with glucose for target photodynamic therapy and improving of the immunogenicity of lung cancer.. *Journal of Cancer Research and Clinical Oncology*, **2022**, 148, 867	4.9	5

45	Radiomic Phenotypes for Improving Early Prediction of Survival in Stage III Non-Small Cell Lung Cancer Adenocarcinoma after Chemoradiation.. *Cancers*, **2022**, 14,	6.6	1
44	Joint EANM/SNMMI/ESTRO practice recommendations for the use of 2-[F]FDG PET/CT external beam radiation treatment planning in lung cancer V1.0.. *European Journal of Nuclear Medicine and Molecular Imaging*, **2022**, 49, 1386	8.8	6
43	A prediction model integrated genomic alterations and immune signatures of tumor immune microenvironment for early recurrence of stage I NSCLC after curative resection.. *Translational Lung Cancer Research*, **2022**, 11, 24-42	4.4	0
42	Perspectives d'utilisation clinique de la tomographie par émission de positons grand-champ (TEP-GC). *Medecine Nucleaire*, **2022**,	0.1	
41	Outcome Prediction at Patient Level Derived from Pre-Treatment 18F-FDG PET Due to Machine Learning in Metastatic Melanoma Treated with Anti-PD1 Treatment.. *Diagnostics*, **2022**, 12,	3.8	0
40	PET imaging of lung and pleural cancer. **2022**,		
39	Impact of ComBat harmonization on PET radiomics-based tissue classification: a dual-center PET/MR and PET/CT study.. *Journal of Nuclear Medicine*, **2022**,	8.9	0
38	First-Line Pembrolizumab Mono- or Combination Therapy of Non-Small Cell Lung Cancer: Baseline Metabolic Biomarkers Predict Outcomes. *Cancers*, **2021**, 13,	6.6	2
37	Convolutional Neural Network Addresses the Confounding Impact of CT Reconstruction Kernels on Radiomics Studies.. *Tomography*, **2021**, 7, 877-892	3.1	0
36	Deep Learning With Radiomics for Disease Diagnosis and Treatment: Challenges and Potential.. *Frontiers in Oncology*, **2022**, 12, 773840	5.3	1
35	A Review of the Correlation Between Epidermal Growth Factor Receptor Mutation Status and F-FDG Metabolic Activity in Non-Small Cell Lung Cancer.. *Frontiers in Oncology*, **2022**, 12, 780186	5.3	1
34	Table_1.DOCX. **2020**,		
33	Table_2.DOCX. **2020**,		
32	Table_1.DOCX. **2020**,		
31	Table_2.DOCX. **2020**,		
30	Radiomics-guided radiation therapy: opportunities and challenges.. *Physics in Medicine and Biology*, **2022**,	3.8	
29	Necrosis on pre-radiotherapy 18F-FDG PET/CT is a predictor for complete metabolic response in patients with non-small cell lung cancer. *Medicine (United States)*, **2022**, 101, e29227	1.8	
28	Radiomics in Oncological PET Imaging: A Systematic Review Part 1, Supradiaphragmatic Cancers. *Diagnostics*, **2022**, 12, 1329	3.8	1

27	MRI radiomics in overall survival prediction of local advanced cervical cancer patients tread by adjuvant chemotherapy following concurrent chemoradiotherapy or concurrent chemoradiotherapy alone. *Magnetic Resonance Imaging*, **2022**, 91, 81-90	3.3	0
26	[18F]FDG-PET/CT radiomics and artificial intelligence in lung cancer: Technical aspects and potential clinical applications. *Seminars in Nuclear Medicine*, **2022**,	5.4	0
25	PET/CT for Target Delineation of Lung Cancer Before Radiation Therapy. *Seminars in Nuclear Medicine*, **2022**,	5.4	0
24	Non-invasive prediction of microsatellite instability in colorectal cancer by a genetic algorithm enhanced artificial neural network based CT radiomics signature. *European Radiology*,	8	1
23	Applications of artificial intelligence in stereotactic body radiation therapy. *Physics in Medicine and Biology*,	3.8	1
22	Prediction of lung malignancy progression and survival with machine learning based on pre-treatment FDG-PET/CT. *EBioMedicine*, **2022**, 82, 104127	8.8	0
21	Establishment of a Prediction Model for Overall Survival after Stereotactic Body Radiation Therapy for Primary Non-Small Cell Lung Cancer Using Radiomics Analysis. **2022**, 14, 3859		
20	Radiomics-based nomogram as predictive model for prognosis of hepatocellular carcinoma with portal vein tumor thrombosis receiving radiotherapy. 12,		0
19	Inferring FDG-PET-positivity of lymph node metastases in proven lung cancer from contrast-enhanced CT using radiomics and machine learning. **2022**, 6,		0
18	Uniqueness of radiomic features in non-small cell lung cancer.		0
17	Association of Fluorodeoxyglucose Positron Emission Tomography Radiomics Features with Clinicopathological Factors and Prognosis in Lung Squamous Cell Cancer.		0
16	Preoperative prediction of mediastinal lymph node metastasis in non-small cell lung cancer based on 18F-FDG PET/CT radiomics. **2022**,		1
15	Multi-Modality Imaging for Prediction of Tumor Control Following Radiotherapy. **2022**, 271-283		0
14	Improved risk stratification by PET-based intratumor heterogeneity in children with high-risk neuroblastoma. 12,		0
13	Local Recurrence Risk Score to Predict Relapse after Stereotactic Body Radiation Therapy for Lung Tumors. **2022**, 11, 6445		0
12	Joint EANM/SNMMI guideline on radiomics in nuclear medicine.		3
11	Development of Radiomic-Based Model to Predict Clinical Outcomes in Non-Small Cell Lung Cancer Patients Treated with Immunotherapy. **2022**, 14, 5931		0
10	Development and validation of nomograms by radiomic features on ultrasound imaging for predicting overall survival in patients with primary nodal diffuse large B-cell lymphoma. 12,		0

9	Changing Role of PET/CT in Cancer Care With a Focus on Radiotherapy. **2022**,	0
8	A review of harmonization strategies for quantitative PET.	0
7	CT-derived radiomic analysis for predicting the survival rate of patients with non-small cell lung cancer receiving radiotherapy. **2023**, 107, 102546	0
6	Prognostic analysis of curatively resected pancreatic cancer using harmonized positron emission tomography radiomic features. **2023**, 7,	0
5	The role of artificial intelligence based on PET/CT radiomics in NSCLC: Disease management, opportunities, and challenges. 13,	0
4	Machine learning in non-small cell lung cancer radiotherapy: A bibliometric analysis. 13,	0
3	CT Radiomics Predict EGFR-T790M Resistance Mutation in Advanced Non-Small Cell Lung Cancer Patients After Progression on First-line EGFR-TKI. **2023**,	0
2	Diagnostic performance of diffusion-weighted imaging versus 18F-FDG PET/CT in differentiating pulmonary lesions: an updated meta-analysis of comparative studies. **2023**, 23,	0
1	Predicting the Efficacy of SBRT for Lung Cancer with 18F-FDG PET/CT Radiogenomics. **2023**, 13, 884	0