

**Table S1** References mentioned in *Figure 5A*

Title	Year	Author
Introduction to Radiomics	2020	Marius E. Mayerhoefer <i>et al.</i> (69)
Global Cancer Statistics 2020: GLOBOCAN Estimates of Incidence and Mortality Worldwide for 36 Cancers in 185 Countries	2021	Hyuna Sung <i>et al.</i> (70)
Deep learning radiomics can predict axillary lymph node status in early-stage breast cancer	2020	Xueyi Zheng <i>et al.</i> (71)
Deep learning Radiomics of shear wave elastography significantly improved diagnostic performance for assessing liver fibrosis in chronic hepatitis B: a prospective multicentre study	2019	Kun Wang <i>et al.</i> (72)
Ultrasound-based radiomics score: a potential biomarker for the prediction of microvascular invasion in hepatocellular carcinoma	2019	Hang-Tong Hu <i>et al.</i> (28)
Computational radiomics system to decode the radiographic phenotype	2017	Joost J. M. van Griethuysen <i>et al.</i> (23)
Radiomics: images are more than pictures, they are data	2016	Robert J. Gillies <i>et al.</i> (21)
Radiomics analysis on ultrasound for prediction of biologic behavior in breast invasive ductal carcinoma	2018	Yi Guo <i>et al.</i> (25)
Radiomics: the bridge between medical imaging and personalized medicine	2017	Philippe Lambin <i>et al.</i> (22)

**Table S2** References mentioned in *Figure 5B*

Title	Year	Author
Decoding tumour phenotype by noninvasive imaging using a quantitative radiomics approach	2014	Hugo J. W. L. Aerts <i>et al.</i> (64)
Radiomics: images are more than pictures, they are data	2016	Robert J. Gillies <i>et al.</i> (21)
2015 American Thyroid Association Management Guidelines for Adult Patients with Thyroid Nodules and Differentiated Thyroid Cancer: The American Thyroid Association Guidelines Task Force on Thyroid Nodules and Differentiated Thyroid Cancer	2016	Bryan R. Haugen <i>et al.</i> (29)
Development and validation of a radiomics nomogram for preoperative prediction of lymph node metastasis in colorectal cancer	2016	Yan-Qi Huang <i>et al.</i> (26)
Sonoelastomics for breast tumor classification: a radiomics approach with clustering-based feature selection on sonoelastography	2017	Qi Zhang <i>et al.</i> (73)
Intratumoral and peritumoral radiomics for the pretreatment prediction of pathological complete response to neoadjuvant chemotherapy based on breast DCE-MRI	2017	Nathaniel M. Braman <i>et al.</i> (74)
Promises and challenges for the implementation of computational medical imaging (radiomics) in oncology	2017	E. J. Limkin <i>et al.</i> (75)
A model using texture features to differentiate the nature of thyroid nodules on sonography	2015	Gesheng Song <i>et al.</i> (76)
Classification of breast tumors using sonographic texture analysis	2015	Ali Abbasian Ardakani <i>et al.</i> (77)
Radiomics signature: a potential biomarker for the prediction of disease-free survival in early-stage (I or II) non-small cell lung cancer	2016	Yanqi Huang <i>et al.</i> (78)
A radiomics nomogram for the preoperative prediction of lymph node metastasis in bladder cancer	2016	Shaoxu Wu <i>et al.</i> (79)
Feasibility study of texture analysis using ultrasound shear wave elastography to predict malignancy in thyroid nodules	2016	Kunwar Suryaveer Singh Bhatia <i>et al.</i> (80)
Dermatologist-level classification of skin cancer with deep neural networks	2017	Andre Esteva <i>et al.</i> (81)
Grey-scale analysis improves the ultrasonographic evaluation of thyroid nodules	2015	Giorgio Grani <i>et al.</i> (82)
A computed tomography radiogenomic biomarker predicts microvascular invasion and clinical outcomes in hepatocellular carcinoma	2015	Sudeep Banerjee <i>et al.</i> (83)
MR imaging radiomics signatures for predicting the risk of breast cancer recurrence as given by research versions of MammaPrint, Oncotype DX, and PAM50 gene assays	2016	Hui Li <i>et al.</i> (84)
Development and validation of an MRI-based radiomics signature for the preoperative prediction of lymph node metastasis in bladder cancer	2018	Shaoxu Wu <i>et al.</i> (85)
Preoperative prediction of sentinel lymph node metastasis in breast cancer based on radiomics of T2-weighted fat-suppression and diffusion-weighted MRI	2018	Yuhao Dong <i>et al.</i> (86)
Radiomic versus convolutional neural networks analysis for classification of contrast-enhancing lesions at multiparametric breast MRI	2019	Daniel Truhn <i>et al.</i> (87)
Association between radiomics signature and disease-free survival in conventional papillary thyroid carcinoma	2019	Vivian Y. Park <i>et al.</i> (60)
Computational radiomics system to decode the radiographic phenotype	2017	Joost J. M. van Griethuysen <i>et al.</i> (23)
Ultrasound-based radiomics analysis for preoperatively predicting different histopathological subtypes of primary liver cancer	2020	Yuting Peng <i>et al.</i> (88)
Radiomics: the bridge between medical imaging and personalized medicine	2017	Philippe Lambin <i>et al.</i> (22)
Quantitative ultrasound radiomics in predicting response to neoadjuvant chemotherapy in patients with locally advanced breast cancer: results from multi-institutional study	2020	Daniel DiCenzo <i>et al.</i> (89)
Differential diagnosis of benign and malignant thyroid nodules using deep learning radiomics of thyroid ultrasound images	2020	Hui Zhou <i>et al.</i> (90)

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