

Supplementary material:

Table S1. Quality of the included studies based on QUADAS-2 tool

Study	RISK OF BIAS				APPLICABILITY CONCERNS		
	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD	FLOW AND TIMING	PATIENT SELECTION	INDEX TEST	REFERENCE STANDARD
Boot et al.							
Bos et al.							
Bagher et al							
Park et al							
Wenbing							
Marzi et al.							
Sohn et al.							
Bagher et al							
Song et al.							
Ebadian							
Bogowicz							
Bos et al.							
Choi et al.							
Haider et al							
Ren et al.							
Suh et al							
Wenbing							
Marzi et al.							
Sohn et al.							
Mungai et al							
Huang et al.							
Lee et al.							
Leijenaar							
Ranjbar et al							
Ravanelli							
Bogowicz							
Bagher et al							
Park et al							
Wenbing							
Marzi et al.							
Sohn et al.							
Yu et al.							
Fujita et al.							
Buch et al.							

Table S2. Radiomics Quality Score of the included studies

Study name	Image protocol quality	Multiple segmentation	Phantom study	: Multiple time points	Feature reduction	Multivariable analysis	Biological correlates	Cut-off analysis	Discrimination statistics	Calibration statistics	Prospective design	Validation	Comparison to "gold standard"	Potential clinical application	Cost-effectiveness analysis	Open science and data	SUM
Boot et al.	1	0	0	0	3	1	0	0	1	0	0	2	1	0	0	1	10
Bos et al.	1	0	0	0	3	1	0	1	1	0	0	2	1	0	0	0	10
Bagher-Ebadian 2022	1	0	0	0	3	1	0	0	1	0	0	2	1	0	0	0	9
Park 2022	1	1	0	0	3	0	0	0	1	0	0	2	1	0	0	0	9
Wenbing 2022	1	1	0	0	3	0	0	1	2	0	0	4	1	0	0	1	14
Marzi 2022	0	0	0	0	3	1	0	1	1	0	0	2	1	0	0	0	9
Sohn 2021	1	0	0	0	3	0	0	0	1	0	0	2	1	0	0	0	8
Bagher-Ebadian 2021	0	0	0	0	3	0	0	0	1	0	0	2	1	0	0	0	7
Song 2021	1	1	0	0	3	1	1	0	2	2	0	3	1	1	0	0	16
Ebadian 2020	0	0	0	0	3	0	0	0	1	0	0	2	1	0	0	0	7
Bogowicz 2020	1	0	0	0	3	0	0	0	1	0	0	5	1	0	0	0	11
Bos et al, 2020	1	0	0	0	3	1	1	1	1	0	0	-5	1	0	0	0	4
Choi 2020	1	1	0	0	3	1	1	0	0	0	0	2	1	0	0	0	10

Stefan P Haid er 2020	1	0	0	0	3	0	0	0	1	0	0	5	1	0	0	0	11
Ren et al. 2020	1	1	0	0	3	0	0	0	1	0	0	-5	1	0	0	0	2
Suh et al. 2020	1	0	0	0	3	0	0	0	1	2	0	-5	1	0	0	0	3
Mun gai et al. 2020	1	0	0	0	-3	0	0	0	0	0	0	-5	1	0	0	0	0
Huan g et al. 2019	1	0	0	0	3	1	1	0	1	0	0	3	1	0	0	1	12
Youn g lee et al. 2019	1	0	0	0	-3	0	0	0	0	0	0	-5	1	0	0	0	0
Leije naar 2018 et al.	1	0	0	0	3	0	0	0	1	0	0	3	1	0	0	1	10
Ranj bar et al. 2018	1	0	0	0	3	0	0	0	1	0	0	-5	1	0	0	1	2
Rava nelli et al. 2018	1	0	0	0	-3	1	1	0	1	0	0	-5	1	0	0	0	0
Bogo wicz et a 2017	1	0	0	0	3	0	0	0	1	0	0	2	1	0	0	0	8
Yu et al. 2017	1	1	0	0	3	0	0	0	1	0	0	-5	1	0	0	0	2
Fujit a et al. 2016	1	0	0	0	-3	0	0	0	0	0	0	-5	1	0	0	0	0
Buch et al. 2015	1	0	0	0	-3	0	0	0	0	0	0	-5	1	0	0	0	0