

Table S1. Sens analysis; as reported in the original manuscript or calculated based on published raw data.

YEAR	AUTHOR	TYPE OF CANCER	<u>PATIENT-WISE ANALYSIS</u> sensitivity of FAPI PET for T/N/M/PC (confirmed by reference standard)	<u>PATIENT-WISE ANALYSIS</u> sensitivity of FDG PET or CECT/MRI for T/N/M/PC (confirmed by reference standard)	<u>LESION-WISE ANALYSIS</u> sensitivity of FAPI PET for T/N/M/PC (confirmed by reference standard)	<u>LESION-WISE ANALYSIS</u> sensitivity of FDG PET/CT/MRI for T/N/M/PC (confirmed by reference standard)
2021	Chen, H., et al. [10]	P	-	-	-	-
		G	-	-	-	-
		Ch	-	-	-	-
2021	Guo, W., et al. [11]	Ch	100% (7/7) / - / - / -	PET 57% (4/7) / - / - / - CECT 100% (7/7) / - / - / - MRI 100% (7/7) / - / - / -	- / - / 85% (41/48) / -	PET - / - / 52% (25/48) / - CECT not performed MRI - / - / 100% (48/48) / -
2021	Pang, Y., et al. [12]	G	100% (11/11) / - / - / -	36% (4/11) / - / - / -	n.p.	n.p.
2021	Zhao, L., et al. [17]	P	- / - / - / 100% (6/6)	- / - / - / 67% (4/6)	-	-
		G	- / - / - / 100% (13/13)	- / - / - / 54% (7/13)		
2021	Qin, C., et al. [13]	G	100% (14/14) / - / - / -	71% (10/14) / - / - / -	n.p.	n.p.
2021	Rohrich, M., et al. [14]	P	-	PET n.p. CECT -	n.p.	n.p.
2021	Shi, X., et al. [15]	Ch	100% (3/3) / - / - / -	100% (3/3) / - / - / -	100% (4/4) / - / - / -	100% (4/4) / - / - / -
2021	Shi, X., et al. [16]	G	- / - / - / -	PET n.p.	-	PET n.p.
		Ch	100% (2/2) / - / - / -	CECT - MRI -		CECT - MRI -
2021	Pang, Y., et al. [18]	P	100% (26/26) / - / - / -	PET 73% (19/26) / - / - / - CECT - / - / - / -	- / 82% / bone 92%, visceral 88% / -	PET - / 59% / bone 44%, visceral 48% / - CECT - / - / - / -

2021	Kuten, J., et al. [19]	G	100% (10/10) / 100% (2/2) / - / 100% (5/5)	50% (5/10) / 100% (2/2) / - / 0% (0/5)	-	-
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- not reported for the diseases of interest separately
n.p. analyses not performed in the study

Table S2. SUVmax and TBRmax values for FAPI and FDG

Year	Author	TYPE OF CANCER	<u>PATIENT-WISE ANALYSIS</u> median SUVmax for T/N/M/PC (nr. of patients), and (TBR) for FAPI	<u>PATIENT-WISE ANALYSIS</u> median SUVmax for T/N/M/PC (nr. of patients), and (TBR) for FDG	<u>LESION-WISE ANALYSIS</u> median SUVmax for T/N/M/PC (nr. of patients), and (TBR) for FAPI	<u>LESION-WISE ANALYSIS</u> median SUVmax for T/N/M/PC (nr. of patients), and (TBR) for FDG
2021	Chen, H. [10]	P	24.8 (1) / - / - / - (- / - / - / -)	2.7 (1) / - / - / - (- / - / - / -)	-	-
		G	14.1 (5) / - / - / - (- / - / - / -)	2.7 (5) / - / - / - (- / - / - / -)	-	-
		Ch	10.3 (1) / - / - / - (- / - / - / -)	1.8 (1) / - / - / - (- / - / - / -)	-	-
2021	Guo, W. [11]	Ch	16.5 (7) / - / - / - (7.0 / - / - / -)	4.2 (7) / - / - / - (1.5 / - / - / -)	n.p.	n.p.
2021	Pang, Y. [12]	G	12.7 (11) / - / - / - (- / - / - / -)	3.7 (4) / - / - / - (- / - / - / -)	n.p.	n.p.
2021	Zhao, L. [17]	P	- / - / - / 7.8 (6) (- / - / - / -)	- / - / - / 3.3 (6) (- / - / - / -)	-	-
		G	- / - / - / 8.1 (13) (- / - / - / -)	- / - / - / 3.4 (13) (- / - / - / -)		
2021	Qin, C. [13]	G	11.3 (14) / 9.9* (12) / - / 8.4 (10) (12.4 / 10.9 / - / 9.6)	6.2 (10) / 6.6 (10) / - / 7.6 (4) (4.0 / 4.0 / - / 5.0)	- / 8.7* (45) / - / 7.6 (42) (- / 9.4 / - / 8.7)	- / 6.1 (33) / - / 5.7 (14) (- / 3.7 / - / 3.7)
2021	Rohrich, M. [14]	P	13.4 (19) / 14.1 (19) / 7.3 (19) / -	n.p.	n.p.	n.p.
2021	Shi, X. [15]	Ch	14.4 (4) / - / - / - (26.5 / - / - / -)	9.2 (4) / - / - / - (4.4 / - / - / -)	- / - / 8.0 (17) / - (- / - / 15.2 / -)	- / - / 4.9 (17) / - (- / - / 2.1 / -)
2021	Shi, X. [16]	G	- / - / - / - (- / - / - / -)	n.p.	- / - / - / - (- / - / - / -)	n.p.
		Ch			- / - / - / -	

			13.6 (2) / - / - / - (26.9 / - / - / -)		(- / - / - / -)	
2021	Pang, Y. [18]	P	21.4 (26) / - / - / - (- / - / - / -)	4.8 (19) / - / - / - (- / - / - / -)	21.4 (26) / 8.6 (45) / - # / 8.4 (77)	4.8 (19) / 2.7 (23) / -# / 2.8 (33)
2021	Kuten, J.	G	15.9 (10) / 4.3 (2) / - / - (3.2 / - / - / -)	5.5 / 7.9 (2) / - / - (11.9 / - / - / -)	-	-

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n.p. analyses not performed in the study

* Patient-wise SUVmax of 9.9 versus lesion-wise SUVmax of 8.7 may concern a typo in the original manuscript.