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Article

Qoppa as a New Pan-Tumor Synthetic Parameter Derived from Tumor-Associated Biomarkers for Identifying Oncology Patients at High Risk of Metastasis: A Prospective Pilot Study

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Table S2. Main characteristics and performance of the ROC operator curves for the case studies described as supplementary material (figure S2, S3 and S4). Optimism correction with bootstrapping using 1000 bootstraps is applied, showing the corrected area under the curve with its 95% confidence interval. The p-value for comparing the ROC curve against no discriminatory ability (AUC=0.5) using the Mann-Whitney U test is also shown. The optimal cutoff point for each case study, along with the sensitivity and specificity at that point, is also presented.

Case Study	Size (N)	Original AUC	Optimism corrected AUC	95% Confidence Interval	p-value	cutoff	sensitivity	specificity
Qoppa from global analytical parameters (Q_G) for risk of death (Figure S2.a)	30	0.65	0.64	0.41 - 0.85	0.25	2.484	1.00	0.44
Qoppa from response biomarkers (Q_B) for risk of death (Figure S2.b)	30	0.69	0.69	0.46 - 0.89	0.13	2.07	0.86	0.52
Qoppa for risk of death for patients with no metastasis at sample collection (Figure S3.a)	18	0.98	0.98	0.88 - 1.0	0.01	5.07	1.00	0.93
Qoppa for risk of death for patients with metastasis at sample collection (Figure S3.b)	12	0.44	0.44	0.10 - 0.78	0.73	10.61	0.0	0.63
Qoppa from global analytical parameters (Q_G) for risk of development of metastasis de novo in patients with no metastasis at sample collection (Figure S4.a)	18	0.72	0.72	0.41 - 1.0	0.15	2.69	0.8	0.69

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Qoppa from response biomarkers (Q_B) for risk of development of metastasis de novo in patients with no metastasis at sample collection (Figure S4.b)	18	0.77	0.76	0.5 - 1.0	0.08	2.25	0.5	0.69

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