

CQ2-1 乳房トモシンセシスは診断マンモグラフィとして有用か？

感度、特異度に関するメタアナリシス

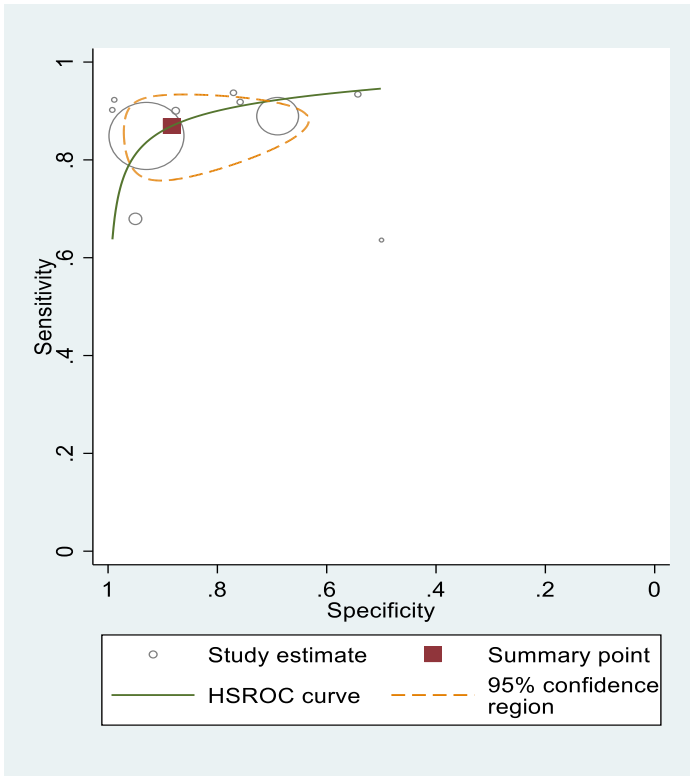
トモシンセシス

用いた論文

	TP	FP	FN	TN
Waldherr 2013 [21]	79	14	7	44
Tagliafico 2015 [42]	37	0	4	66
Gilbert 2015 [4]	1032	1829	128	4071
Mall 2018 [37]	45	22	3	74
You 2020 [19(9)]	127	10	14	71
Bahl 2019 [21(24)]	738	1537	131	20414
Krammer 2017 [28(36)]	42	0	24	0
Chan 2017 [26(41)]	57	37	4	44
Bian 2016 [29(52)]	225	15	106	286
Bansal 2015 [34(61)]	12	1	1	89

結果

	点推定値	95%信頼区間
感度	86.9	80.2-91.6
特異度	88.4	74.2-95.3
診断オッズ比	50.5	18.1-141.5
陽性尤度比	7.5	3.2-17.6
陰性尤度比	0.15	0.10-0.23



Study	TP	FP	FN	TN	Sensitivity (95% CI)	Specificity (95% CI)	Sensitivity (95% CI)	Specificity (95% CI)
Bahl 2019	738	1537	131	20414	0.85 [0.82, 0.87]	0.93 [0.93, 0.93]		
Bansal 2015	12	1	1	89	0.92 [0.64, 1.00]	0.99 [0.94, 1.00]		
Bian 2016	225	15	106	286	0.68 [0.63, 0.73]	0.95 [0.92, 0.97]		
Chan 2017	57	37	4	44	0.93 [0.84, 0.98]	0.54 [0.43, 0.65]		
Gilbert 2015	1032	1829	128	4071	0.89 [0.87, 0.91]	0.69 [0.68, 0.70]		
Krammer 2017	42	0	24	0	0.64 [0.51, 0.75]	Not estimable		
Mall 2018	45	22	3	74	0.94 [0.83, 0.99]	0.77 [0.67, 0.85]		
Tagliafico 2015	37	0	4	66	0.90 [0.77, 0.97]	1.00 [0.95, 1.00]		
Waldherr 2013	79	14	7	44	0.92 [0.84, 0.97]	0.76 [0.63, 0.86]		
You 2020	127	10	14	71	0.90 [0.84, 0.94]	0.88 [0.78, 0.94]		

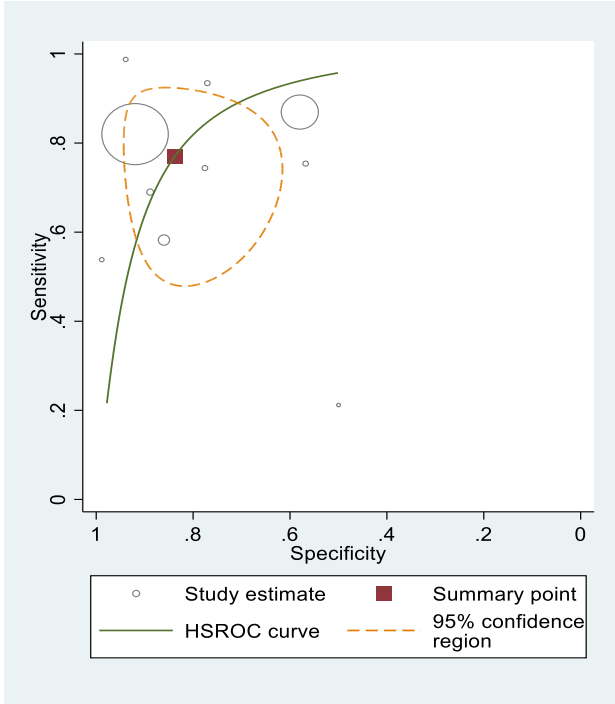
マンモグラフィ

用いた論文

	TP	FP	FN	TN
Waldherr 2013 [21]	64	13	22	45
Tagliafico 2015 [42]	41	4	0	62
Gilbert 2015 [4]	1009	2478	151	3422
Mall 2018 [37]	43	22	3	74
You 2020 [19(9)]	98	9	44	72
Bahl 2019 [21(24)]	717	1756	157	20195
Krammer 2017 [28(36)]	14	0	52	0
Chan 2017 [26(41)]	46	35	15	46
Bian 2016 [29(52)]	194	42	139	259
Bansal 2015 [34(61)]	7	1	6	89

結果

	点推定値	95%信頼区間
感度	77.0	58.9-88.7
特異度	83.8	70.5-91.8
診断オッズ比	17.3	5.2-58.3
陽性尤度比	4.7	2.4-9.5
陰性尤度比	0.27	0.14-0.54



Study	TP	FP	FN	TN	Sensitivity (95% CI)	Specificity (95% CI)	Sensitivity (95% CI)	Specificity (95% CI)
Bahl 2019	717	1756	157	20195	0.82 [0.79, 0.85]	0.92 [0.92, 0.92]		
Bansal 2015	7	1	6	89	0.54 [0.25, 0.81]	0.99 [0.94, 1.00]		
Bian 2016	194	42	139	259	0.58 [0.53, 0.64]	0.86 [0.82, 0.90]		
Chan 2017	46	35	15	46	0.75 [0.63, 0.86]	0.57 [0.45, 0.68]		
Gilbert 2015	1009	2478	151	3422	0.87 [0.85, 0.89]	0.58 [0.57, 0.59]		
Krammer 2017	14	0	52	0	0.21 [0.12, 0.33]	Not estimable		
Mall 2018	43	22	3	74	0.93 [0.82, 0.99]	0.77 [0.67, 0.85]		
Tagliafico 2015	41	4	0	62	1.00 [0.91, 1.00]	0.94 [0.85, 0.98]		
Waldherr 2013	64	13	22	45	0.74 [0.64, 0.83]	0.78 [0.65, 0.87]		
You 2020	98	9	44	72	0.69 [0.61, 0.76]	0.89 [0.80, 0.95]		

