Supplementary Table 1 Database-specific search strings as executed, with retrieval counts

Concept block	Database	Field tag	Search string as executed	Date run	Records retrieved
SBO	PubMed	[tiab] title/abstract	("point-of-care ultrasound"[tiab] OR "point of care ultrasound"[tiab] OR POCUS[tiab] OR "bedside ultrasound"[tiab] OR "emergency ultrasound"[tiab] OR "point-of-care ultrasonography"[tiab] OR "point-of-care sonography"[tiab]) AND ("small bowel obstruction"[tiab] OR "small-bowel obstruction"[tiab] OR "bowel obstruction"[tiab] OR "intestinal obstruction"[tiab]) AND english[lang]	17 August 2026	71
SBO	Scopus	TITLE-ABS-KEY	TITLE-ABS-KEY(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND ("small bowel obstruction" OR "small-bowel obstruction" OR "bowel obstruction" OR "intestinal obstruction")) AND LANGUAGE(english)	17 August 2026	110
SBO	Web of Science	TS= (topic)	TS=(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND ("small bowel obstruction" OR "small-bowel obstruction" OR "bowel obstruction" OR "intestinal obstruction"))	17 August 2026	83
Gastric	PubMed	[tiab] title/abstract	("point-of-care ultrasound"[tiab] OR "point of care ultrasound"[tiab] OR POCUS[tiab] OR "bedside ultrasound"[tiab] OR "emergency ultrasound"[tiab] OR "point-of-care ultrasonography"[tiab] OR "point-	17 August 2026	151

			of-care sonography"[tiab]) AND ("gastric ultrasound"[tiab] OR "gastric content"[tiab] OR "gastric antrum"[tiab] OR "antral cross-sectional"[tiab] OR "aspiration risk"[tiab] OR "gastric volume"[tiab]) AND english[lang]		
Gastric	Scopus	TITLE-ABS-KEY	TITLE-ABS-KEY(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND ("gastric ultrasound" OR "gastric content" OR "gastric antrum" OR "antral cross-sectional" OR "aspiration risk" OR "gastric volume")) AND LANGUAGE(english)	17 August 2026	208
Gastric	Web of Science	TS= (topic)	TS=(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND ("gastric ultrasound" OR "gastric content" OR "gastric antrum" OR "antral cross-sectional" OR "aspiration risk" OR "gastric volume"))	17 August 2026	171
Free fluid	PubMed	[tiab] title/abstract	("point-of-care ultrasound"[tiab] OR "point of care ultrasound"[tiab] OR POCUS[tiab] OR "bedside ultrasound"[tiab] OR "emergency ultrasound"[tiab] OR "point-of-care ultrasonography"[tiab] OR "point-of-care sonography"[tiab]) AND ("free fluid"[tiab] OR "free intraperitoneal fluid"[tiab] OR "peritoneal free fluid"[tiab] OR ascites[tiab] OR hemoperitoneum[tiab] OR "intraperitoneal fluid"[tiab]) AND english[lang]	17 August 2026	303
Free fluid	Scopus	TITLE-ABS-	TITLE-ABS-KEY(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside	17 August	462

		KEY	ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND ("free fluid" OR "free intraperitoneal fluid" OR "peritoneal free fluid" OR ascites OR hemoperitoneum OR "intraperitoneal fluid")) AND LANGUAGE(english)	2026	
Free fluid	Web of Science	TS= (topic)	TS=(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND ("free fluid" OR "free intraperitoneal fluid" OR "peritoneal free fluid" OR ascites OR hemoperitoneum OR "intraperitoneal fluid"))	17 August 2026	300
Biliary	PubMed	[tiab] title/abstract	("point-of-care ultrasound"[tiab] OR "point of care ultrasound"[tiab] OR POCUS[tiab] OR "bedside ultrasound"[tiab] OR "emergency ultrasound"[tiab] OR "point-of-care ultrasonography"[tiab] OR "point-of-care sonography"[tiab]) AND ("acute cholecystitis"[tiab] OR cholecystitis[tiab] OR "biliary colic"[tiab] OR gallbladder[tiab] OR cholelithiasis[tiab] OR choledocholithiasis[tiab] OR "biliary tract"[tiab]) AND english[lang]	17 August 2026	161
Biliary	Scopus	TITLE-ABS-KEY	TITLE-ABS-KEY(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND ("acute cholecystitis" OR cholecystitis OR "biliary colic" OR gallbladder OR cholelithiasis OR choledocholithiasis OR "biliary tract")) AND LANGUAGE(english)	17 August 2026	271
Biliary	Web	TS=	TS=(("point-of-care ultrasound" OR "point of care	17	169

	of Science	(topic)	ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND ("acute cholecystitis" OR cholecystitis OR "biliary colic" OR gallbladder OR cholelithiasis OR choledocholithiasis OR "biliary tract"))	August 2026	
Differentials	PubMed	[tiab] title/abstract	("point-of-care ultrasound"[tiab] OR "point of care ultrasound"[tiab] OR POCUS[tiab] OR "bedside ultrasound"[tiab] OR "emergency ultrasound"[tiab] OR "point-of-care ultrasonography"[tiab] OR "point-of-care sonography"[tiab]) AND (appendicitis[tiab] OR "renal colic"[tiab] OR hydronephrosis[tiab] OR "abdominal aortic aneurysm"[tiab]) AND english[lang]	17 August 2026	345
Differentials	Scopus	TITLE-ABS-KEY	TITLE-ABS-KEY(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND (appendicitis OR "renal colic" OR hydronephrosis OR "abdominal aortic aneurysm")) AND LANGUAGE(english)	17 August 2026	570
Differentials	Web of Science	TS= (topic)	TS=(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND (appendicitis OR "renal colic" OR hydronephrosis OR "abdominal aortic aneurysm"))	17 August 2026	373
Reliability	PubMed	[tiab] title/abstract	("point-of-care ultrasound"[tiab] OR "point of care ultrasound"[tiab] OR POCUS[tiab] OR "bedside ultrasound"[tiab] OR "emergency ultrasound"[tiab] OR "point-of-care ultrasonography"[tiab] OR "point-	17 August 2026	398

			of-care sonography"[tiab]) AND ("inter-observer"[tiab] OR "interobserver"[tiab] OR "intraclass correlation"[tiab] OR kappa[tiab] OR reproducibility[tiab]) AND english[lang]		
Reliability	Scopus	TITLE-ABS-KEY	TITLE-ABS-KEY(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND ("inter-observer" OR interobserver OR "intraclass correlation" OR kappa OR reproducibility)) AND LANGUAGE(english)	17 August 2026	663
Reliability	Web of Science	TS= (topic)	TS=(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND ("inter-observer" OR interobserver OR "intraclass correlation" OR kappa OR reproducibility))	17 August 2026	441
AI	PubMed	[tiab] title/abstract	("point-of-care ultrasound"[tiab] OR "point of care ultrasound"[tiab] OR POCUS[tiab] OR "bedside ultrasound"[tiab] OR "emergency ultrasound"[tiab] OR "point-of-care ultrasonography"[tiab] OR "point-of-care sonography"[tiab]) AND ("artificial intelligence"[tiab] OR "deep learning"[tiab] OR "machine learning"[tiab] OR "neural network"[tiab]) AND english[lang]	17 August 2026	297
AI	Scopus	TITLE-ABS-KEY	TITLE-ABS-KEY(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND ("artificial intelligence" OR "deep	17 August 2026	551

			learning" OR "machine learning" OR "neural network")) AND LANGUAGE(english)		
AI	Web of Science	TS= (topic)	TS=(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND ("artificial intelligence" OR "deep learning" OR "machine learning" OR "neural network"))	17 August 2026	356
Special populations	PubMed	[tiab] title/abstract	("point-of-care ultrasound"[tiab] OR "point of care ultrasound"[tiab] OR POCUS[tiab] OR "bedside ultrasound"[tiab] OR "emergency ultrasound"[tiab] OR "point-of-care ultrasonography"[tiab] OR "point-of-care sonography"[tiab]) AND (paediatric[tiab] OR pediatric[tiab] OR children[tiab] OR elderly[tiab] OR geriatric[tiab] OR pregnancy[tiab] OR pregnant[tiab]) AND english[lang]	17 August 2026	1740
Special populations	Scopus	TITLE-ABS-KEY	TITLE-ABS-KEY(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND (paediatric OR pediatric OR children OR elderly OR geriatric OR pregnancy OR pregnant)) AND LANGUAGE(english)	17 August 2026	2989
Special populations	Web of Science	TS= (topic)	TS=(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND (paediatric OR pediatric OR children OR elderly OR geriatric OR pregnancy OR pregnant))	17 August 2026	2031
Low-resour	PubMed	[tiab] title/a	("point-of-care ultrasound"[tiab] OR "point of care ultrasound"[tiab] OR POCUS[tiab] OR "bedside	17 August	349

ce		bstrac t	ultrasound"[tiab] OR "emergency ultrasound"[tiab] OR "point-of-care ultrasonography"[tiab] OR "point-of-care sonography"[tiab]) AND ("low-resource"[tiab] OR "resource-limited"[tiab] OR "low-income"[tiab] OR "middle-income"[tiab] OR "global health"[tiab]) AND english[lang]	2026	
Low-resource	Scopus	TITLE-ABS-KEY	TITLE-ABS-KEY(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND ("low-resource" OR "resource-limited" OR "low-income" OR "middle-income" OR "global health")) AND LANGUAGE(english)	17 August 2026	429
Low-resource	Web of Science	TS= (topic)	TS=(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND ("low-resource" OR "resource-limited" OR "low-income" OR "middle-income" OR "global health"))	17 August 2026	322
Training/QA	PubMed	[tiab] title/abstrac t	("point-of-care ultrasound"[tiab] OR "point of care ultrasound"[tiab] OR POCUS[tiab] OR "bedside ultrasound"[tiab] OR "emergency ultrasound"[tiab] OR "point-of-care ultrasonography"[tiab] OR "point-of-care sonography"[tiab]) AND (training[tiab] OR competency[tiab] OR credentialing[tiab] OR "quality assurance"[tiab] OR curriculum[tiab]) AND english[lang]	17 August 2026	2243
Training/QA	Scopus	TITLE-ABS-KEY	TITLE-ABS-KEY(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care	17 August 2026	2601

			sonography") AND (training OR competency OR credentialing OR "quality assurance" OR curriculum)) AND LANGUAGE(english)		
Training/QA	Web of Science	TS= (topic)	TS=(("point-of-care ultrasound" OR "point of care ultrasound" OR POCUS OR "bedside ultrasound" OR "emergency ultrasound" OR "point-of-care ultrasonography" OR "point-of-care sonography") AND (training OR competency OR credentialing OR "quality assurance" OR curriculum))	17 August 2026	2679

Searches were run on 17 August 2026. Counts are the number of records returned by each query as executed. Because concept blocks overlap, the sum of the per-query counts exceeds the number of unique records; the deduplicated totals are given in the summary below and in Figure 3.

Retrieval and selection summary

Step	***n***
Union of the four core application blocks, PubMed	639
Union of the four core application blocks, Scopus	972
Union of the four core application blocks, Web of Science	676
Total retrieved across the three databases	2287
Duplicates removed (matched on DOI, then on normalised title)	1121
Unique records after cross-database deduplication	1166
Excluded at title/abstract screening	952
Full texts assessed for eligibility	214
Excluded at full text	61
Sources cited in the review	151

Supplementary Table 2 Source-extraction record for every estimate reported in Table 1 and Figure 2

Table 1 row	Reference no.	Source (first author, year)	PMID	DOI	Metric	Value as extracted	Reported by source?	Population/setting	Operator	Reference standard	Outcome definition/threshold	Studies/patients	Reference list entry
SBO: study-level meta-analysis (Gottlieb 2018)[9]	9	Gottlieb M, Peksa	28797559	10.1016/j.ajem.2017.07.085	Sensitivity (95%CI)	92.4% (89.0–94.7)	Yes	ED and inpatient adults with suspected SBO	Mixed (EP and others)	CT, surgery, or final diagnosis	Dilated loop >25 mm	11/1178	Gottlieb M, Peksa GD, Pandurangadu AV, Nakitende D, Takhar S, Seethala RR. Utilization of
SBO: study-level meta-analysis (Gottlieb 2018)[9]	9	Gottlieb M, Peksa	28797559	10.1016/j.ajem.2017.07.085	Specificity (95%CI)	96.6% (88.4–99.1)	Yes	ED and inpatient adults with suspected SBO	Mixed (EP and others)	CT, surgery, or final diagnosis	Dilated loop > 25 mm	11/1178	Gottlieb M, Peksa GD, Pandurangadu AV, Nakitende D, Takhar S, Seethala RR.

SBO: study-level meta-analysis (Gottlieb 2018)[9]	9	Gottlieb M, Peksa	28797559	10.1016/j.ajem.2017.07.085	LR+ / LR−	27.5 / 0.08	Yes	ED and inpatient adults with suspected SBO	Mixed (EP and others)	CT, surgery, or final diagnosis	Dilated loop	>25 mm	11 / 1178	Utilization of Gottlieb M, Peksa GD, Pandurangadu AV, Nakitende D, Takhar S, Seethala RR.
SBO: study-level meta-analysis (Gottlieb 2018)[9]	9	Gottlieb M, Peksa	28797559	10.1016/j.ajem.2017.07.085	Heterogeneity	NR in retrievable text	No: NR	ED and inpatient adults with suspected SBO	Mixed (EP and others)	CT, surgery, or final diagnosis	Dilated loop	>25 mm	11 / 1178	Utilization of Gottlieb M, Peksa GD, Pandurangadu AV, Nakitende D, Takhar S, Seethala RR.
SBO: study-level meta-analysis (Gottlieb 2018)[9]	9	Gottlieb M, Peksa	28797559	10.1016/j.ajem.2017.07.08	Risk of bias / certainty	QUADAS-2 not reported in	Yes	ED and inpatient adults with suspected	Mixed (EP and others)	CT, surgery, or final diagnosis	Dilated loop	>25 mm	11 / 1178	Utilization of Gottlieb M, Peksa GD, Pandurangadu AV, Nakitende D, Takhar S,

				5		retrievable text; no GRADE		SBO					Seethala RR. Utilization of
SBO: individual-patient-data meta-analysis (Shokoohi 2023)[10]	10	Shokoohi H, Mayes	37290251	10.1016/j.ajem.2023.05.039	Sensitivity (95%CI)	83.0% (71.7–90.4)	Yes	Multicentre ED, adults	EP (attending and resident)	CT / surgery / final diagnosis	Dilated loop >25 mm	5 / 433	Shokoohi H, Mayes KD, Peksa GD, Loesche MA, Becker BA, Boniface KS, Lahham S, Jang TB, Sec
SBO: individual-patient-data meta-analysis (Shokoohi	10	Shokoohi H, Mayes	37290251	10.1016/j.ajem.2023.05.039	Specificity (95%CI)	93.0% (55.3–99.3)	Yes	Multicentre ED, adults	EP (attending and resident)	CT / surgery / final diagnosis	Dilated loop >25 mm	5 / 433	Shokoohi H, Mayes KD, Peksa GD, Loesche MA, Becker BA, Boniface KS,

2023)[10]													Lahham S, Jang TB, Sec
SBO: individual-patient-data meta-analysis (Shokoohi 2023)[10]	10	Shokoohi H, Mayes	37290251	10.1016/j.ajem.2023.05.039	LR+ / LR−	11.9 (1.2–114.9) / 0.2	Yes	Multicentre ED, adults	EP (attending and resident)	CT / surgery / final diagnosis	Dilated loop >25 mm	5 / 433	Shokoohi H, Mayes KD, Peksa GD, Loesche MA, Becker BA, Boniface KS, Lahham S, Jang TB, Sec
SBO: individual-patient-data meta-analysis (Shokoohi 2023)[10]	10	Shokoohi H, Mayes	37290251	10.1016/j.ajem.2023.05.039	Heterogeneity	NR in retrievable text	No: NR	Multicentre ED, adults	EP (attending and resident)	CT / surgery / final diagnosis	Dilated loop >25 mm	5 / 433	Shokoohi H, Mayes KD, Peksa GD, Loesche MA, Becker BA, Boniface KS, Lahham S, Jang TB, Sec
SBO: individual-	10	Shokoohi	372902	10.1016/j.	Risk of bias /	IPD design	Yes	Multicentre ED,	EP (attendin	CT / surgery /	Dilated loop	>25	5 / 433	Shokoohi H, Mayes KD,

patient-data meta-analysis (Shokoohi 2023)[10]		H, Mayes	51	ajem.2023.05.039	certainty	reduces reporting bias; no GRADE		adults	g and resident)	final diagnosis	mm			Peksa GD, Loesche MA, Becker BA, Boniface KS, Lahham S, Jang TB, Sec
SBO: meta-analysis with QUADAS-2 (Motavaselian 2024)[30]	30	Motavaselian M, Farrokhi	38721448	10.22037/aaem.v12i1.22665	Sensitivity (95%CI)	NR here (see source)	No: NR	ED adults with suspected SBO	Mixed	CT / surgery / final diagnosis	Dilated loop mm	>25	21 / 1977	Motavaselian M, Farrokhi M, Jafari Khouzani P, Moghadam Fard A, Daeizadeh F, Pourrahimi M,
SBO: meta-analysis with QUADAS-2	30	Motavaselian M, Farro	38721448	10.22037/aaem.v12i	Specificity (95%CI)	0.80 (0.77–0.83)	Yes	ED adults with suspected SBO	Mixed	CT / surgery / final diagnosis	Dilated loop mm	>25	21 / 1977	Motavaselian M, Farrokhi M, Jafari Khouzani P,

(Motavaselian 2024)[30]		khi		1.2265									Moghadam Fard A, Daeizadeh F, Pourrahimi M,
SBO: meta-analysis with QUADAS-2 (Motavaselian 2024)[30]	30	Motavaselian M, Farrokhi	38721448	10.22037/aaem.v12i1.2265	LR+ / LR−	not applicable	Not applicable	ED adults with suspected SBO	Mixed	CT / surgery / final diagnosis	Dilated loop >25 mm	21 / 1977	Motavaselian M, Farrokhi M, Jafari Khouzani P, Moghadam Fard A, Daeizadeh F, Pourrahimi M,
SBO: meta-analysis with QUADAS-2 (Motavaselian 2024)[30]	30	Motavaselian M, Farrokhi	38721448	10.22037/aaem.v12i1.2265	Heterogeneity	62% sensitivity; 88% specificity (both P<0.01	Yes	ED adults with suspected SBO	Mixed	CT / surgery / final diagnosis	Dilated loop >25 mm	21 / 1977	Motavaselian M, Farrokhi M, Jafari Khouzani P, Moghadam Fard A, Daeizadeh F, Pourrahimi M,

					)								
SBO: meta-analysis with QUADAS-2 (Motavaselian 2024)[30]	30	Motavaselian M, Farrokhi	38721448	10.22037/aaem.v12i1.2265	Risk of bias / certainty	QUADAS-2: high risk for patient selection and flow/timing in several studies; Egger P=0.04	Yes	ED adults with suspected SBO	Mixed	CT / surgery / final diagnosis	Dilated loop >25 mm	21 / 1977	Motavaselian M, Farrokhi M, Jafari Khouzani P, Moghadam Fard A, Daeizadeh F, Pourrahimi M,
SBO: bedside-threshold analysis (Shokoohi	11	Shokoohi H, Al	39043061	10.1016/j.ajem.2024.07.01	Sensitivity (95%CI)	not applicable	Not applicable	ED adults	EP	CT / surgery	Loop >2.75 cm (AUC 0.76, 0.71–0.81); ≤1.7 cm 100%	IPD secondary analysis	Shokoohi H, Al Jalbout N, Peksa GD, Mayes KD, Becker BA,

2024)[11]				9							sensitivity; >4 cm			Boniface KS, Lahham S, Secko M, C
SBO: bedside-threshold analysis (Shokoohi 2024)[11]	11	Shokoohi H, Al	39043061	10.1016/j.ajem.2024.07.019	Specificity (95%CI)	≈90.7% at >4 cm	Yes	ED adults	EP	CT / surgery	Loop >2.75 cm (AUC 0.76, 0.71–0.81); ≤1.7 cm 100% sensitivity; >4 cm	IPD secondary analysis		Shokoohi H, Al Jalbout N, Peksa GD, Mayes KD, Becker BA, Boniface KS, Lahham S, Secko M, C
SBO: bedside-threshold analysis (Shokoohi 2024)[11]	11	Shokoohi H, Al	39043061	10.1016/j.ajem.2024.07.019	LR+ / LR−	not applicable	Not applicable	ED adults	EP	CT / surgery	Loop >2.75 cm (AUC 0.76, 0.71–0.81); ≤1.7 cm 100% sensitivity; >4 cm	IPD secondary analysis		Shokoohi H, Al Jalbout N, Peksa GD, Mayes KD, Becker BA, Boniface KS, Lahham S, Secko M, C
SBO:	11	Shok	390	10.10	Hetero	Not	Yes	ED adults	EP	CT /	Loop >2.75	IPD		Shokoohi H, Al

bedside-threshold analysis (Shokoohi 2024)[11]		oohi H, Al	43061	16/j.ajem.2024.07.019	geneity	applicable			surgery	cm (AUC 0.76, 0.71–0.81); ≤1.7 cm 100% sensitivity; >4 cm	secondary analysis	Jalbout N, Peksa GD, Mayes KD, Becker BA, Boniface KS, Lahham S, Secko M, C
SBO: bedside-threshold analysis (Shokoohi 2024)[11]	11	Shokoohi H, Al	39043061	10.1016/j.ajem.2024.07.019	Risk of bias / certainty	Unvalidated threshold-derivation study	Yes	ED adults	EP	CT / surgery	Loop >2.75 cm (AUC 0.76, 0.71–0.81); ≤1.7 cm 100% sensitivity; >4 cm	IPD secondary analysis	Shokoohi H, Al Jalbout N, Peksa GD, Mayes KD, Becker BA, Boniface KS, Lahham S, Secko M, C
Acute cholecystitis: EP-POCUS meta-analysis	32	Wilson SJ, Thavanathan	37855790	10.1016/j.annemergmed.	Sensitivity (95%CI)	70.9% (62.3–78.2)	Yes	ED adults, suspected acute cholecysti	EP	Final diagnosis	Stones + wall >3 mm + Murphy sign + pericholecys	10 included; estimates from 7	Wilson SJ, Thavanathan R, Cheng W, Stuart J, Kim DJ, Glen P,

(Wilson 2024)[32]				2023.09.005				tis			tic fluid	/ 1772	Duigenan S, Shorr R, Woo MY,
Acute cholecystitis: EP-POCUS meta-analysis (Wilson 2024)[32]	32	Wilson SJ, Thavanathan	37857790	10.1016/j.annemergmed.2023.09.005	Specificity (95%CI)	94.4% (88.2–97.5)	Yes	ED adults, suspected acute cholecystitis	EP	Final diagnosis	Stones + wall >3 mm + Murphy sign + pericholecystic fluid	10 included; estimates from 7 / 1772	Wilson SJ, Thavanathan R, Cheng W, Stuart J, Kim DJ, Glen P, Duigenan S, Shorr R, Woo MY,
Acute cholecystitis: EP-POCUS meta-analysis (Wilson 2024)[32]	32	Wilson SJ, Thavanathan	37857790	10.1016/j.annemergmed.2023.09.005	LR+ / LR−	12.7 / 0.31	Yes	ED adults, suspected acute cholecystitis	EP	Final diagnosis	Stones + wall >3 mm + Murphy sign + pericholecystic fluid	10 included; estimates from 7 / 1772	Wilson SJ, Thavanathan R, Cheng W, Stuart J, Kim DJ, Glen P, Duigenan S, Shorr R, Woo MY,
Acute	32	Wilso	378	10.10	Hetero	NR in	No: NR	ED	EP	Final	Stones +	10	Wilson SJ,

cholecystitis: EP-POCUS meta-analysis (Wilson 2024)[32]		n SJ, Thavanathan	55790	16/j.annemergmed.2023.09.005	geneity	retrievable text		adults, suspected acute cholecystitis		diagnosis	wall >3 mm + Murphy sign + pericholecystic fluid	included; estimates from 7 / 1772	Thavanathan R, Cheng W, Stuart J, Kim DJ, Glen P, Duigenan S, Shorr R, Woo MY,
Acute cholecystitis: EP-POCUS meta-analysis (Wilson 2024)[32]	32	Wilson SJ, Thavanathan	37855790	10.1016/j.annemergmed.2023.09.005	Risk of bias / certainty	Not reported in retrievable text	Yes	ED adults, suspected acute cholecystitis	EP	Final diagnosis	Stones + wall >3 mm + Murphy sign + pericholecystic fluid	10 included; estimates from 7 / 1772	Wilson SJ, Thavanathan R, Cheng W, Stuart J, Kim DJ, Glen P, Duigenan S, Shorr R, Woo MY,
Acute cholecystitis: all-operator meta-analysis	25	Huang SS, Lin	38037062	10.1186/s13017-023-00524	Sensitivity (95%CI)	71% (69–72); EP 71% (67–74)	Yes	Mixed settings, all specialties (EP	All operators; EP subgroup	Final diagnosis / pathology	As above	40 / 8652	Huang SS, Lin KW, Liu KL, Wu YM, Lien WC, Wang HP. Diagnostic

(Huang 2023)[25]				-5				subgroup)					performance of ultrasound in
Acute cholecystitis: all-operator meta-analysis (Huang 2023)[25]	25	Huang SS, Lin	38062	10.1186/s13017-023-00524-5	Specificity (95%CI)	85% (84–86); EP 92% (90–93)	Yes	Mixed settings, all specialties (EP subgroup)	All operators; EP subgroup	Final diagnosis / pathology	As above	40 / 8652	Huang SS, Lin KW, Liu KL, Wu YM, Lien WC, Wang HP. Diagnostic performance of ultrasound in
Acute cholecystitis: all-operator meta-analysis (Huang 2023)[25]	25	Huang SS, Lin	38062	10.1186/s13017-023-00524-5	LR+ / LR−	not applicable	Not applicable	Mixed settings, all specialties (EP subgroup)	All operators; EP subgroup	Final diagnosis / pathology	As above	40 / 8652	Huang SS, Lin KW, Liu KL, Wu YM, Lien WC, Wang HP. Diagnostic performance of ultrasound in
Acute cholecystitis: all-operator meta-	25	Huang SS, Lin	38062	10.1186/s13017-023-	Heterogeneity	89.7% (87–92)	Yes	Mixed settings, all specialtie	All operators; EP subgroup	Final diagnosis / pathology	As above	40 / 8652	Huang SS, Lin KW, Liu KL, Wu YM, Lien WC, Wang HP.

analysis (Huang 2023)[25]				00524-5				s (EP subgroup)					Diagnostic performance of ultrasound in
Acute cholecystitis: all-operator meta-analysis (Huang 2023)[25]	25	Huang SS, Lin	38037062	10.1186/s13017-023-00524-5	Risk of bias / certainty	QUADAS-2: >25% of studies high risk (case-control design, non-consecutive enrolment)	Yes	Mixed settings, all specialties (EP subgroup)	All operators; EP subgroup	Final diagnosis / pathology	As above	40 / 8652	Huang SS, Lin KW, Liu KL, Wu YM, Lien WC, Wang HP. Diagnostic performance of ultrasound in
Acute cholecystitis:	33	Nipitkul	41928	10.1007/s4	Sensitivity	86.6% (83.4–	Yes	ED adults,	EP	Tokyo Guidelines	POCUS criteria vs	1 / 783	Nipitkul N, Kotnarin R.

prospective TG18-adjudicated cohort (Nipitkul 2026)[33]		N, Kotnarin	09	3678-026-01161-y	(95%CI)	89.4)		high disease prevalence		2018	TG18 (wall >3 mm vs ≥4 mm scales)		Agreement between point-of-care ultrasonography and the Tokyo guid
Acute cholecystitis: prospective TG18-adjudicated cohort (Nipitkul 2026)[33]	33	Nipitkul N, Kotnarin	41928009	10.1007/s43678-026-01161-y	Specificity (95%CI)	17.1% (12.5–22.5)	Yes	ED adults, high disease prevalence	EP	Tokyo Guidelines 2018	POCUS criteria vs TG18 (wall >3 mm vs ≥4 mm scales)	1 / 783	Nipitkul N, Kotnarin R. Agreement between point-of-care ultrasonography and the Tokyo guid
Acute cholecystitis: prospective TG18-adjudicated cohort	33	Nipitkul N, Kotnarin	41928009	10.1007/s43678-026-01161-y	LR+ / LR−	NR / NPV 37.0%	Yes	ED adults, high disease prevalence	EP	Tokyo Guidelines 2018	POCUS criteria vs TG18 (wall >3 mm vs ≥4 mm scales)	1 / 783	Nipitkul N, Kotnarin R. Agreement between point-of-care ultrasonograph

(Nipitkul 2026)[33]													y and the Tokyo guid
Acute cholecystitis: prospective TG18-adjudicated cohort (Nipitkul 2026)[33]	33	Nipitkul N, Kotnarin	41928009	10.1007/s43678-026-01161-y	Heterogeneity	Not applicable (primary study)	Yes	ED adults, high disease prevalence	EP	Tokyo Guidelines 2018	POCUS criteria vs TG18 (wall >3 mm vs ≥4 mm scales)	1 / 783	Nipitkul N, Kotnarin R. Agreement between point-of-care ultrasonography and the Tokyo guid
Acute cholecystitis: prospective TG18-adjudicated cohort (Nipitkul 2026)[33]	33	Nipitkul N, Kotnarin	41928009	10.1007/s43678-026-01161-y	Risk of bias / certainty	Prospective; single reference standard	Yes	ED adults, high disease prevalence	EP	Tokyo Guidelines 2018	POCUS criteria vs TG18 (wall >3 mm vs ≥4 mm scales)	1 / 783	Nipitkul N, Kotnarin R. Agreement between point-of-care ultrasonography and the Tokyo guid
Gastric: ED intubation	27	Asokan R,	37735	10.1186/s1	Sensitivity	100%	Yes	ED adults undergoi	EP	Aspiration-relevant	Antral CSA ≥9.27 cm²	1 / 100	Asokan R, Bhardwaj BB,

cohort (Asokan 2023)[27]		Bhardwaj	59	2873-023-00881-z	(95%CI)			ng urgent intubation		gastric content			Agrawal N, Chauhan U, Pillai A, Shankar T, Lalneiruol DJ, Baid H, C
Gastric: intubation cohort (Asokan 2023)[27]	ED	27	Asokan R, Bhardwaj	377 353 59	10.1186/s12873-023-00881-z	Specificity (95%CI)	87%	Yes	ED adults undergoing urgent intubation	EP	Aspiration-relevant gastric content	Antral CSA ≥9.27 cm²	1 / 100	Asokan R, Bhardwaj BB, Agrawal N, Chauhan U, Pillai A, Shankar T, Lalneiruol DJ, Baid H, C
Gastric: intubation cohort (Asokan 2023)[27]	ED	27	Asokan R, Bhardwaj	377 353 59	10.1186/s12873-023-00881-z	LR+ / LR−	not applicable	Not applicable	ED adults undergoing urgent intubation	EP	Aspiration-relevant gastric content	Antral CSA ≥9.27 cm²	1 / 100	Asokan R, Bhardwaj BB, Agrawal N, Chauhan U, Pillai A, Shankar T,

													Lalneiruol DJ, Baid H, C
Gastric: ED intubation cohort (Asokan 2023)[27]	27	Asokan R, Bhardwaj	37735359	10.1186/s12873-023-00881-z	Heterogeneity	Not applicable	Yes	ED adults undergoing urgent intubation	EP	Aspiration-relevant gastric content	Antral CSA ≥9.27 cm²	1 / 100	Asokan R, Bhardwaj BB, Agrawal N, Chauhan U, Pillai A, Shankar T, Lalneiruol DJ, Baid H, C
Gastric: ED intubation cohort (Asokan 2023)[27]	27	Asokan R, Bhardwaj	37735359	10.1186/s12873-023-00881-z	Risk of bias / certainty	Single-centre	Yes	ED adults undergoing urgent intubation	EP	Aspiration-relevant gastric content	Antral CSA ≥9.27 cm²	1 / 100	Asokan R, Bhardwaj BB, Agrawal N, Chauhan U, Pillai A, Shankar T, Lalneiruol DJ, Baid H, C
Gastric: fasting IPD	26	Perlas A,	382413	10.1097/A	Sensitivity	Grade 0/1 →	Yes	Fasting adults	Trained sonograp	Endoscopic /	95th-percentile	12 / 1203	Perlas A, Arzola C,

meta-analysis (Perlas 2024)[26]		Arzola	28	LN.000000000004914	(95%CI)	98% probability below threshold		(reference range)	hers	measured volume	CSA 9.9 cm² (9.4–10.4); volume 2.3 mL/kg (2.3–2.4)		Portela N, Mitsakakis N, Hayawi L, Van de Putte P. Gastric Volume and
Gastric: fasting IPD meta-analysis (Perlas 2024)[26]	26	Perlas A, Arzola	38241328	10.1097/ALN.0000000000004914	Specificity (95%CI)	not applicable	Not applicable	Fasting adults (reference range)	Trained sonographers	Endoscopic / measured volume	95th-percentile CSA 9.9 cm² (9.4–10.4); volume 2.3 mL/kg (2.3–2.4)	12 / 1203	Perlas A, Arzola C, Portela N, Mitsakakis N, Hayawi L, Van de Putte P. Gastric Volume and
Gastric: fasting IPD meta-analysis (Perlas 2024)[26]	26	Perlas A, Arzola	38241328	10.1097/ALN.0000000000004914	LR+ / LR−	not applicable	Not applicable	Fasting adults (reference range)	Trained sonographers	Endoscopic / measured volume	95th-percentile CSA 9.9 cm² (9.4–10.4); volume 2.3 mL/kg (2.3–	12 / 1203	Perlas A, Arzola C, Portela N, Mitsakakis N, Hayawi L, Van de Putte P.

										2.4)		Gastric Volume and
Gastric: fasting IPD meta-analysis (Perlas 2024)[26]	26	Perlas A, Arzola	38241328	10.1097/ALN.0000000000004914	Heterogeneity	NR in retrievable text	No: NR	Fasting adults (reference range)	Trained sonographers	Endoscopic / measured volume	95th-percentile CSA 9.9 cm² (9.4–10.4); volume 2.3 mL/kg (2.3–2.4)	12 / 1203	Perlas A, Arzola C, Portela N, Mitsakakis N, Hayawi L, Van de Putte P. Gastric Volume and
Gastric: fasting IPD meta-analysis (Perlas 2024)[26]	26	Perlas A, Arzola	38241328	10.1097/ALN.0000000000004914	Risk of bias / certainty	Reference-range derivation	Yes	Fasting adults (reference range)	Trained sonographers	Endoscopic / measured volume	95th-percentile CSA 9.9 cm² (9.4–10.4); volume 2.3 mL/kg (2.3–2.4)	12 / 1203	Perlas A, Arzola C, Portela N, Mitsakakis N, Hayawi L, Van de Putte P. Gastric Volume and
Free fluid: ectopic	31	Moore C,	175540	10.1197/j.	Sensitivity	not applica	Not applicab	ED women,	EP	Operative interventio	Any free fluid in	1 / 242	Moore C, Todd WM, O'Brien

pregnancy (Moore 2007)[31]		Todd	08	aem. 2007. 04.010	(95%CI)	ble	le	suspected ectopic pregnancy		n	Morison's pouch			E, Lin H. Free fluid in Morison's pouch on bedside ultrasound pr
Free fluid: ectopic pregnancy (Moore 2007)[31]	31	Moore C, Todd	17554008	10.1197/j.aem.2007.04.010	Specificity (95%CI)	not applicable	Not applicable	ED women, suspected ectopic pregnancy	EP	Operative intervention	Any free fluid in Morison's pouch	1 / 242		Moore C, Todd WM, O'Brien E, Lin H. Free fluid in Morison's pouch on bedside ultrasound pr
Free fluid: ectopic pregnancy (Moore 2007)[31]	31	Moore C, Todd	17554008	10.1197/j.aem.2007.04.010	LR+ / LR−	LR+ 112 (15–831)	Yes	ED women, suspected ectopic pregnancy	EP	Operative intervention	Any free fluid in Morison's pouch	1 / 242		Moore C, Todd WM, O'Brien E, Lin H. Free fluid in Morison's pouch on

												bedside ultrasound pr
Free fluid: ectopic pregnancy (Moore 2007)[31]	31	Moore C, Todd	17554008	10.1197/j.aem.2007.04.010	Heterogeneity	Not applicable	Yes	ED women, suspected ectopic pregnancy	EP	Operative intervention	Any free fluid in Morison's pouch	1 / 242	Moore C, Todd WM, O'Brien E, Lin H. Free fluid in Morison's pouch on bedside ultrasound pr
Free fluid: ectopic pregnancy (Moore 2007)[31]	31	Moore C, Todd	17554008	10.1197/j.aem.2007.04.010	Risk of bias / certainty	Single-centre; estimate rests on 10 fluid-positive patients	Yes	ED women, suspected ectopic pregnancy	EP	Operative intervention	Any free fluid in Morison's pouch	1 / 242	Moore C, Todd WM, O'Brien E, Lin H. Free fluid in Morison's pouch on bedside ultrasound pr

Free fluid: prehospital FAST meta-analysis (Lin 2024)[19]	19	Lin KT, Lin	38185679	10.1186/s12873-023-00919-2	Sensitivity (95%CI)	0.596 (0.345–0.822)	Yes	Prehospital trauma	Prehospital providers	CT / laparotomy	Any free fluid	6 / 1356	Lin KT, Lin ZY, Huang CC, Yu SY, Huang JL, Lin JH, Lin YR. Prehospital ultrasound scanning
Free fluid: prehospital FAST meta-analysis (Lin 2024)[19]	19	Lin KT, Lin	38185679	10.1186/s12873-023-00919-2	Specificity (95%CI)	0.970 (0.953–0.983)	Yes	Prehospital trauma	Prehospital providers	CT / laparotomy	Any free fluid	6 / 1356	Lin KT, Lin ZY, Huang CC, Yu SY, Huang JL, Lin JH, Lin YR. Prehospital ultrasound scanning
Free fluid: prehospital FAST meta-analysis (Lin 2024)[19]	19	Lin KT, Lin	38185679	10.1186/s12873-023-00919-2	LR+ / LR−	not applicable	Not applicable	Prehospital trauma	Prehospital providers	CT / laparotomy	Any free fluid	6 / 1356	Lin KT, Lin ZY, Huang CC, Yu SY, Huang JL, Lin JH, Lin YR. Prehospital ultrasound

													scanning
Free fluid: prehospital FAST meta-analysis (Lin 2024)[19]	19	Lin KT, Lin	38156879	10.1186/s12873-023-00919-2	Heterogeneity (chi-square test)	94% for sensitivity; 45% for specificity	Yes	Prehospital trauma	Prehospital providers	CT / laparotomy	Any fluid	free	6 / 1356	Lin KT, Lin ZY, Huang CC, Yu SY, Huang JL, Lin JH, Lin YR. Prehospital ultrasound scanning
Free fluid: prehospital FAST meta-analysis (Lin 2024)[19]	19	Lin KT, Lin	38156879	10.1186/s12873-023-00919-2	Risk of bias / certainty	GRADE: sensitivity very low (inconsistency, imprecision,	Yes	Prehospital trauma	Prehospital providers	CT / laparotomy	Any fluid	free	6 / 1356	Lin KT, Lin ZY, Huang CC, Yu SY, Huang JL, Lin JH, Lin YR. Prehospital ultrasound scanning

					publication bias); specificity high								
Free fluid: Cochrane review, blunt trauma (Stengel 2018)[18]	18	Stengel D, Leisterer	30548249	10.1002/14651858.CD012669.pub2	Sensitivity (95%CI)	0.74 (0.65–0.81); children 0.63 (0.46–0.77)	Yes	Blunt thoracoabdominal trauma, adults and children	Mixed	CT / laparotomy / clinical follow-up	Any free fluid	34 studies	Stengel D, Leisterer J, Ferrada P, Ekkernkamp A, Mutze S, Hoenning A. Point-of-care ultras
Free fluid: Cochrane review, blunt trauma (Stengel	18	Stengel D, Leisterer	30548249	10.1002/14651858.CD012669.p	Specificity (95%CI)	0.96 (0.94–0.98)		Blunt thoracoabdominal trauma, adults and		CT / laparotomy / clinical follow-up	Any free fluid	34 studies	Stengel D, Leisterer J, Ferrada P, Ekkernkamp A, Mutze S, Hoenning A.

2018)[18]			ub2				children						Point-of-care ultras
Free fluid: Cochrane review, blunt trauma (Stengel 2018)[18]	18	Stengel D, Leisterer	30549	10.1002/14651858.CD012669.pub2	LR+ / LR−	not applicable	Not applicable	Blunt thoracoabdominal trauma, adults and children	Mixed	CT / laparotomy / clinical follow-up	Any free fluid	34 studies	Stengel D, Leisterer J, Ferrada P, Ekkernkamp A, Mutze S, Hoenning A. Point-of-care ultras
Free fluid: Cochrane review, blunt trauma (Stengel 2018)[18]	18	Stengel D, Leisterer	30549	10.1002/14651858.CD012669.pub2	Heterogeneity	Reported in source	Yes	Blunt thoracoabdominal trauma, adults and children	Mixed	CT / laparotomy / clinical follow-up	Any free fluid	34 studies	Stengel D, Leisterer J, Ferrada P, Ekkernkamp A, Mutze S, Hoenning A. Point-of-care ultras
Free fluid: Cochrane	18	Stengel D,	482	10.1002/1	Risk of bias /	Cochrane	Yes	Blunt thoracoab	Mixed	CT / laparotom	Any free fluid	34 studies	Stengel D, Leisterer J,

review, blunt trauma (Stengel 2018)[18]		Leisterer	49	4651858.CD012669.pub2	certainty	methodology		dominal trauma, adults and children		y / clinical follow-up			Ferrada P, Ekkernkamp A, Mutze S, Hoenning A. Point-of-care ultras
Appendicitis: POCUS meta-analysis (Fields 2017)[35]	35	Fields JM, Davis	28464459	10.1111/acem.13212	Sensitivity (95%CI)	91% (83–96); EP subgroup 80%	Yes	ED adults and children	Non-radiologist physicians; EP subgroup	Pathology / final diagnosis	Non-compressible, dilated appendix	21 / NR	Fields JM, Davis J, Alsup C, Bates A, Au A, Adhikari S, Farrell I. Accuracy of Point-of-ca
Appendicitis: POCUS meta-analysis (Fields 2017)[35]	35	Fields JM, Davis	28464459	10.1111/acem.13212	Specificity (95%CI)	97% (91–99); EP subgroup 92%	Yes	ED adults and children	Non-radiologist physicians; EP subgroup	Pathology / final diagnosis	Non-compressible, dilated appendix	21 / NR	Fields JM, Davis J, Alsup C, Bates A, Au A, Adhikari S, Farrell I. Accuracy of Point-of-ca

Appendicitis: POCUS meta-analysis (Fields 2017)[35]	35	Fields JM, Davis	28464459	10.1111/acem.13212	LR+ / LR−	not applicable	Not applicable	ED adults and children	Non-radiologist physicians; EP subgroup	Pathology / final diagnosis	Non-compressible, dilated appendix	21 / NR	Fields JM, Davis J, Alsup C, Bates A, Au A, Adhikari S, Farrell I. Accuracy of Point-of-ca
Appendicitis: POCUS meta-analysis (Fields 2017)[35]	35	Fields JM, Davis	28464459	10.1111/acem.13212	Heterogeneity	99% (99–100)	Yes	ED adults and children	Non-radiologist physicians; EP subgroup	Pathology / final diagnosis	Non-compressible, dilated appendix	21 / NR	Fields JM, Davis J, Alsup C, Bates A, Au A, Adhikari S, Farrell I. Accuracy of Point-of-ca
Appendicitis: POCUS meta-analysis (Fields 2017)[35]	35	Fields JM, Davis	28464459	10.1111/acem.13212	Risk of bias / certainty	Not reported in retrievable text	Yes	ED adults and children	Non-radiologist physicians; EP subgroup	Pathology / final diagnosis	Non-compressible, dilated appendix	21 / NR	Fields JM, Davis J, Alsup C, Bates A, Au A, Adhikari S, Farrell I. Accuracy of

													Point-of-ca
Appendicitis: paediatric meta-analysis (Miller 2026)[36]	36	Miller B, McCreary	41106830	10.1136/archdischild-2025-328953	Sensitivity (95%CI)	85.6% (68.9–94.1)	Yes	Children	Mixed	Pathology / final diagnosis	Non-compressible, dilated appendix	8 / 993	Miller B, McCreary D, Rees J. How accurate is point-of-care ultrasound for detecting paedi
Appendicitis: paediatric meta-analysis (Miller 2026)[36]	36	Miller B, McCreary	41106830	10.1136/archdischild-2025-328953	Specificity (95%CI)	90.2%	Yes	Children	Mixed	Pathology / final diagnosis	Non-compressible, dilated appendix	8 / 993	Miller B, McCreary D, Rees J. How accurate is point-of-care ultrasound for detecting paedi
Appendicitis: paediatric meta-analysis (Miller	36	Miller B, McCreary	41106830	10.1136/archdischild-2025-	LR+ / LR−	not applicable	Not applicable	Children	Mixed	Pathology / final diagnosis	Non-compressible, dilated appendix	8 / 993	Miller B, McCreary D, Rees J. How accurate is point-of-care

2026)[36]				32895 3									ultrasound for detecting paedi
Appendicitis: paediatric meta-analysis (Miller 2026)[36]	36	Miller B, McCreary	41106830	10.1136/archdischild-2025-328953	Heterogeneity	Sensitivity range 53%–100% across studies	Yes	Children	Mixed	Pathology / final diagnosis	Non-compressible, dilated appendix	8 / 993	Miller B, McCreary D, Rees J. How accurate is point-of-care ultrasound for detecting paedi
Appendicitis: paediatric meta-analysis (Miller 2026)[36]	36	Miller B, McCreary	41106830	10.1136/archdischild-2025-328953	Risk of bias / certainty	Recent; see source	Yes	Children	Mixed	Pathology / final diagnosis	Non-compressible, dilated appendix	8 / 993	Miller B, McCreary D, Rees J. How accurate is point-of-care ultrasound for detecting paedi
Hydronephrosis / renal colic (Wong 2018)[37]	37	Wong C, Teitge	29427476	10.1111/acem.13388	Sensitivity (95%CI)	70.2% (67.1–73.2)	Yes	ED adults, suspected renal	EP	CT	Any hydronephrosis	NR in retrievable text	Wong C, Teitge B, Ross M, Young P, Robertson HL,

							colic					Lang E. The Accuracy and Prognostic Value
Hydronephrosis / renal colic (Wong 2018)[37]	37	Wong C, Teitge	29427476	10.1111/acem.13388	Specificity (95%CI)	not applicable	Not applicable	ED adults, suspected renal colic	EP	CT	Any hydronephrosis	NR in retrievable text	Wong C, Teitge B, Ross M, Young P, Robertson HL, Lang E. The Accuracy and Prognostic Value
Hydronephrosis / renal colic (Wong 2018)[37]	37	Wong C, Teitge	29427476	10.1111/acem.13388	LR+ / LR−	not applicable	Not applicable	ED adults, suspected renal colic	EP	CT	Any hydronephrosis	NR in retrievable text	Wong C, Teitge B, Ross M, Young P, Robertson HL, Lang E. The Accuracy and Prognostic Value

Hydronephrosis / renal colic (Wong 2018)[37]	37	Wong C, Teitge	29427476	10.1111/acem.13388	Heterogeneity	NR in retrievable text	No: NR	ED adults, suspected renal colic	EP	CT	Any hydronephrosis	NR in retrievable text	Wong C, Teitge B, Ross M, Young P, Robertson HL, Lang E. The Accuracy and Prognostic Value
Hydronephrosis / renal colic (Wong 2018)[37]	37	Wong C, Teitge	29427476	10.1111/acem.13388	Risk of bias / certainty	Not reported in retrievable text	Yes	ED adults, suspected renal colic	EP	CT	Any hydronephrosis	NR in retrievable text	Wong C, Teitge B, Ross M, Young P, Robertson HL, Lang E. The Accuracy and Prognostic Value
AAA (Shaban 2025)[34]	34	Shaban EE, Yigit	39344280	10.1002/jcu.23850	Sensitivity (95%CI)	98.33%	Yes	ED adults, symptomatic	EP	CT / operative / final diagnosis	Aortic diameter ≥3 cm (aneurysm	9 / NR	Shaban EE, Yigit Y, Alkahlout B, Shaban A,

											definition)		Shaban A, Ponappan B, Abdurabu M, Zaki HA. Enha
AAA (Shaban 2025)[34]	34	Shaban EE, Yigit	39344280	10.1002/jcu.23850	Specificity (95%CI)	99.84%	Yes	ED adults, symptomatic	EP	CT / operative / final diagnosis	Aortic diameter ≥3 cm (aneurysm definition)	9 / NR	Shaban EE, Yigit Y, Alkahlout B, Shaban A, Shaban A, Ponappan B, Abdurabu M, Zaki HA. Enha
AAA (Shaban 2025)[34]	34	Shaban EE, Yigit	39344280	10.1002/jcu.23850	LR+ / LR−	not applicable	Not applicable	ED adults, symptomatic	EP	CT / operative / final diagnosis	Aortic diameter ≥3 cm (aneurysm definition)	9 / NR	Shaban EE, Yigit Y, Alkahlout B, Shaban A, Shaban A, Ponappan B, Abdurabu M, Zaki HA. Enha

AAA (Shaban 2025)[34]	34	Shaban EE, Yigit	39344280	10.1002/jcu.23850	Heterogeneity	NR in retrievable text	No: NR	ED adults, symptomatic	EP	CT / operative / final diagnosis	Aortic diameter ≥3 cm (aneurysm definition)	9 / NR	Shaban EE, Yigit Y, Alkahlout B, Shaban A, Shaban A, Ponappan B, Abdurabu M, Zaki HA. Enha
AAA (Shaban 2025)[34]	34	Shaban EE, Yigit	39344280	10.1002/jcu.23850	Risk of bias/certainty	Not reported in retrievable text	Yes	ED adults, symptomatic	EP	CT/operative/final diagnosis	Aortic diameter ≥ 3 cm (aneurysm definition)	9/NR	Shaban EE, Yigit Y, Alkahlout B, Shaban A, Shaban A, Ponappan B, Abdurabu M, Zaki HA. Enha

Where a source does not report a value the row records 'No: NR'; such entries are findings about the source rather than unverified data. PMIDs and DOIs are given so that every value can be traced to its source. Reference numbers correspond to the reference list of the revised manuscript.