

Author	Year	Country	Study type	Sample method	Study setting	Blinding method	Study population (lesion)	Male/female	Mean age (years)	Number of abscess	Abscess prevalence (%)	Operator speciality	Operator experience	Diagnostic standard	Reference standard	Time between reference standard and POCUS	Study period	US equipment and probe	Intra- or inter-variation	Sensitivity (%)	Specificity (%)	TP	FP	FN	TN
Quraishi 12	1997	Ireland	Pro	consecutive sample	PED	Single blind	23	10/13	23.5 (months)	17	74	NR	NR	NR	Incision and drainage or follow-up	NR	1990.1-1992.12	NR	No	65	100	11	0	6	6
Sivitz 13	2010	US	Pro	CS	PED	NR	50	29/21	9,5	22	44	Emergency medicine	Trained	A subcutaneous spherical or elliptical shaped hypoechoic area	Incision and drainage or follow-up	NR	2007.2-2007.12	A linear array 8–13 MHz transducer (SonoSite Inc., Micromaxx, Bothell, WA)	No	91	82	20	5	2	23
Iverson 14	2012	US	Pro	CS	PED	Single blind	65	23/42	5,2	40	62	Emergency medicine	Trained	A hypoechoic or an anechoic collection with variation in septation and debris	Incision and drainage	NR	NR	A Siemen Sonoline G60S with a linear array transducer	Yes	97	68	39	8	1	17
Marin 15	2013	US	Pro	CS	PED	Single blind	348(387)	147/201	7(median)	239	62	Emergency medicine	Trained	Hypoechoic, heterogeneously echogenic, irregularly shaped lesion with posterior acoustic enhancement	Incision and drainage	NR	2008.7-2010.4	A SonoSite MicroMaxx machine using a linear or curved array transducer	Yes	88	72	193	37	27	95
Adams 16	2016	US	Pro	CS	PED	Single blind	148(151)	67/81	7(median)	102	68	Pediatric emergency medicine	Ultrasound-credentialed physician	A anechoic, or heterogeneous hypoechoic collection and lack of internal vascularity	Incision and drainage or follow-up	NR	2012.7-2014.2	A SonoSite Edge machine with a 13-6 MHz linear array transducer	Yes	96	87	100	6	4	41
Lam 17	2018	US	Pro	CS	ED	Single blind	POCUS group: 209 (214)	NR	NR	124	58	Emergency medicine	Trained	NR	Incision and drainage or follow-up	NR	2014.3-2016.7	NR	No	90	80	112	18	12	72
Levine 18	2019	US	Pro	CS	PED	Single blind	27	17/10	5,3	8	30	Pediatric emergency medicine	Trained	An irregular shape, variable degree of echogenicity of internal contents, and lobulated or septated appearance	Radiology department imaging	NR	NR	Zonare Medical Systems, Mountain View, CA; a linear probe (L10-6 MHz)	No	75	89	6	2	2	17