

<b>Study</b>	<b>Country</b>	<b>Patients number</b>	<b>Mean age (y)</b>	<b>Study design, enrollment</b>	<b>Sample part</b>	<b>Ref Standard</b>
Klatte et al, 2013	Germany	52	65	Retrospective, NA	Hip	M
Fink et al, 2013	Germany	100	68	Prospective, NA	hip	H,M
Battaglia et al, 2011	Italy	30	66	Prospective, NA	Hip	M
Tohtz et al, 2010	Germany	64	66.7	Prospective, Consecutive	Hip	IOF, H
Meermans et al, 2010	United Kingdom	120	NA	Prospective, NA	Hip or knee	M
Muller et al, 2008	Germany	50	69	Prospective, NA	Hip	IOF, M, R
Fink et al, 2008	Germany	145	68.4	Prospective, NA	knee	H, M
Trampuz et al, 2007	United States	160	69	Prospective, NA	Hip or knee	IOF, H
Van den Bekerom et al, 2006	Belgium	68	67	Retrospective, NA	Knee	IOF, M
Trampuz et al, 2006	United States	64	71	Prospective, NA	Hip or knee	IOF, H
Ali et al, 2006	United Kingdom	73	NA	NA, NA	Hip	IOF, M
Panousis et al, 2005	United Kingdom	91	66	Prospective, Consecutive	Hip or knee	IOF, M
Williams et al, 2004	United Kingdom	273	NA	NA, Consecutive	Hip	M
Malhotra et al, 2004	Australia	38	70	Retrospective, NA	Hip	H
Bernard et al, 2004	Switzerland	127	69	Retrospective, NA	Hip or knee	M
Somme et al, 2003	France	100	67	Retrospective, NA	Hip	IOF, M
Virolainen et al, 2002	Finland	58	72.8	Retrospective, NA	Hip or knee	IOF, M, R

Itasaka et al, 2001	Japan	29	67.5	Retrospective, NA	Hip	H, M
Eisler et al, 2001	Norway	57	74	Retrospective, onsecutive	Hip	M
Teller et al, 2000	United States	137	61	Retrospective, NA	Hip or knee	M
Spangehl et al, 1999	Canada	180	65	Prospective, NA	Hip	IOF, H, M
Pons et al, 1999	Spain	79	65	Prospective, NA	Hip	H, M
Barrack et al,1997	United States	77	65	NA, NA	Knee	M
Mulcahy et al, 1996	Ireland	71	68.7	NA, Consecutive	Hip	IOF, M
Lachiewicz et al, 1996	United States	156	59	Retrospective, Consecutive	Hip	IOF, M
Fehring et al, 1996	United States	166	NA	Retrospective, Consecutive	Hip	IOF
Duff et al, 1996	United States	42	63	Retrospective, NA	Knee	IOF
Taylor et al, 1995	United Kingdom	86	70	Retrospective, Consecutive	Hip	IOF, M
Tigges et al, 1993	United States	147	NA	Prospective, NA	Hip	M
Kraemer et al, 1993	Canada	45	60	Retrospective, NA	Hip	M
Glithero et al, 1993	United Kingdom	54	NA	NA, Consecutive	Hip or knee	M
Barrack et al, 1993	United States	260	NA	Retrospective, Consecutive	Hip	IOF, M
Roberts et al, 1992	United Kingdom	78	NA	NA, Consecutive	Hip	M
Levitsky et al, 1991	United States	55	66.4	Prospective, NA	Hip or knee	IOF, M

H: histological examination; IOF: Intraoperative finding; M: microbiological or laboratory examination; NA, not available

**TABLE 1** Characteristics of the 34 reports in our meta-analysis of the diagnosis of PJI using preoperative aspiration culture