

Table 1 Characteristics of included studies

Study ID	Country	Year	Num.	Gender (M/F)	Age (year)	Invasivene Yes/no	Recurrenc Yes/no	Method	Cut-off	Positive
Turner [18]	United Kingdom	2000	24	NA	NA	11/8	12/12	IHC	0%	11/19
Li YB [24]	China	2002	51	22/29	35.8(10-73)	31/21		IHC	0%	35/51
He DS [20]	China	2002	61	31/30	38(17-66)	49/12		IHC	5%	59/61
Zhang JM [46]	China	2003	33	23/10	41(14-76)	23/10		IHC	0%	17/33
Ulrich J [19]	Germany	2003	75	30/45	47(17-79)	44/31		IHC	5%	37/75
liu WP [44]	China	2004	54	22/32	49.9(18-76)	12/42		IHC	0%	46/54
Wang Z [45]	China	2004	47	17/30	40.79±14.9	23/24		IHC	5%	40/47
Wu JL [43]	China	2005	25	10/15	49.92(17-70)	19/6		IHC	5%	13/25
Li JZ [39]	China	2007	63	26/37	37(20-68)	34/29		IHC	5%	47/63
Zhang K [40]	China	2007	48	19/29	45.7(14-73)	30/18		IHC	Score≥3	29/48
Zhao JN [41]	China	2007	30	18/12	41.5(20-72)	20/10		IHC	30%	21/30
Li AJ [42]	China	2007	50	17/33	42.68±11.7(16-70)	26/24		IHC	5%	44/50
Qu Xin [38]	China	2008	50	26/24	38.3±1.3	29/21	-	IHC	50%	34/50
LI XD [21]	China	2008	86	39/47	42(18-73)	42/44	9/33	IHC	30%	52/86
Zhang H [22]	China	2009	60	6/54	28.8(12-47)	NA	27/28	IHC	1%	33/55
Li CH [36]	China	2010	54	25/29	44.5(25-70)	30/24		IHC	10%	49/54
Cheng C [37]	China	2010	50	28/22	44.86±10.52(22-67)	27/23		IHC	5%	30/50
Zhang GY [23]	China	2011	40	16/24	39.90±7.35	11/29		IHC	5%	30/40
Qiu LB [17]	China	2011	75	27/48	51.5	40/35		IHC	0%	57/75
Wang H [34]	China	2012	30	12/18	42(16-69)	17/13		IHC	Score≥2	18/30
Dong XH [35]	China	2012	64	27/37	41.6±11.7	36/28		IHC	4%	45/64
Guo LC [33]	China	2013	86	NA	46(17-75)	42/44		IHC	Score≥2	52/86
Güliz [32]	Turkey	2015	57	28/29	39.1(16-69)	35/22		IHC	60%	41/57