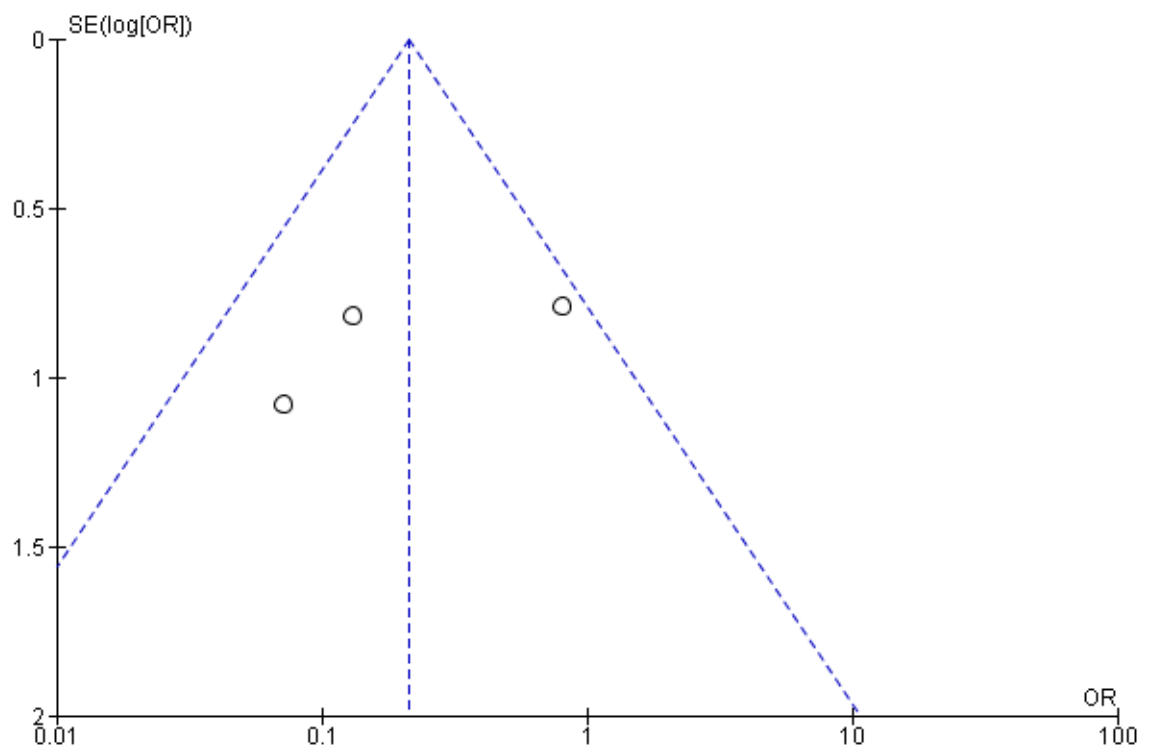


Supplementary Figure 1 Sensitivity Analysis



Supplementary Figure 2 Funnel Plot.

Supplementary Table 2 Microvessel Density assessment

	<i>MVD ASSESSMENT</i>							
AUTHOR	MVD ASSESSMENT METHOD	ANTI BODY	MAGNIFICATION USED	SPOTS EXAMINED	BLIND READING	OBSERVERS	SEPARATE COUNT FOR INTRA/PERITUMORAL VESSELS	MVD CUT OFF
Lee et al.(2017)	Hot Spot	CD34	4X, 40X, 200X	NA	NA	NA	NA	38 vessels/HPF
Liu et al.	Weidner et al.	CD34	10X, 40X	NA	NA	1	NA	NA
Hakala et al.	Hot Spot	CD31	200X	NA	NA	NA	NA	NA
Lee et al.(2012)	Bono et al.	CD31	40X, 200X	3	yes	3	NA	NA
Yasuoka et al.	Weidner et al.	CD34	4X, 200X	5	yes	3	yes	170.6 vessels per field
Kilicarslan et al.	Hot Spot	CD34	40X, 100X, 200X	3	NA	NA	NA	41.8 vessels per field
Akslen et al.	Weidner et al.	VIII	40X, 100X, 400X	5	NA	NA	yes	202.1 vessels/mm ²
Dhar et al.	Weidner et al.	CD34	40X, 100X, 200X	10	yes	2	NA	200/mm ²
Ishiwata et al.	Weidner et al.	VIII	40X, 100X, 400X	NA	yes	2	NA	22.3 vessels per field

Supplementary Table 3 Treatment Characteristics

AUTHOR	OPERATION			TREATMENT		
	TOTAL THYROIDECTOMY	SUBTOTAL THYROIDECTOMY	LOBECTOMY	LYMPH NODE DISSECTION	ADJUVANT CHEMOTHERAPY	ADJUVANT RADIOTHERAPY
Lee et al.(2017)	NA	NA	NA	202	NA	NA
Liu et al.	NA	NA	NA	NA	NA	NA
Hakala et al.	NA	NA	NA	NA	NA	NA
Lee et al.(2012)	47	0	0	47	NA	NA
Yasuoka et al.	49		0	49	NA	NA
Kilicarslan et al.	NA	NA	NA	NA	NA	NA
Akslen et al.	119		9	116	NA	NA
Dhar et al.	7	11	53	63	NA	NA
Ishiwata et al.	19	72	9	97	1	Yes

Supplementary Table 4 Newcastle-Ottawa Scale

STUDY	<i>SELECTION</i>					<i>COMPARABILITY</i>		<i>EXPOSURE</i>		Total
	1	2	3	4	5	6	7	8		
Lee et al. (2017)	*	*	*					*	*	5
Liu et al.		*	*					*		3
Hakala et al.	*	*	*		**			*	*	7
Lee et al. (2012)	*	*						*	*	4
Yasuoka et al.	*		*	*				*	*	5
Kilicarslan et al.	*		*	*				*	*	5
Akslen et al.	*	*	*					*	*	5
Dhar et al.	*	*	*					*	*	5
Ishiwata et al.	*		*					*	*	4