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NO CHANGE IN COMPLICATIONS FOLLOWING THYROIDECTOMY DESPITE INCREASING THYROID CANCER SURGERY: A META-REGRESSION ANALYSIS

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Introduction

The increase in thyroid cancer incidence inevitably led to an increase in thyroid cancer surgery. This meta-regression analysis aimed to determine if the rate of post-thyroidectomy complications changes by year.

Materials and methods

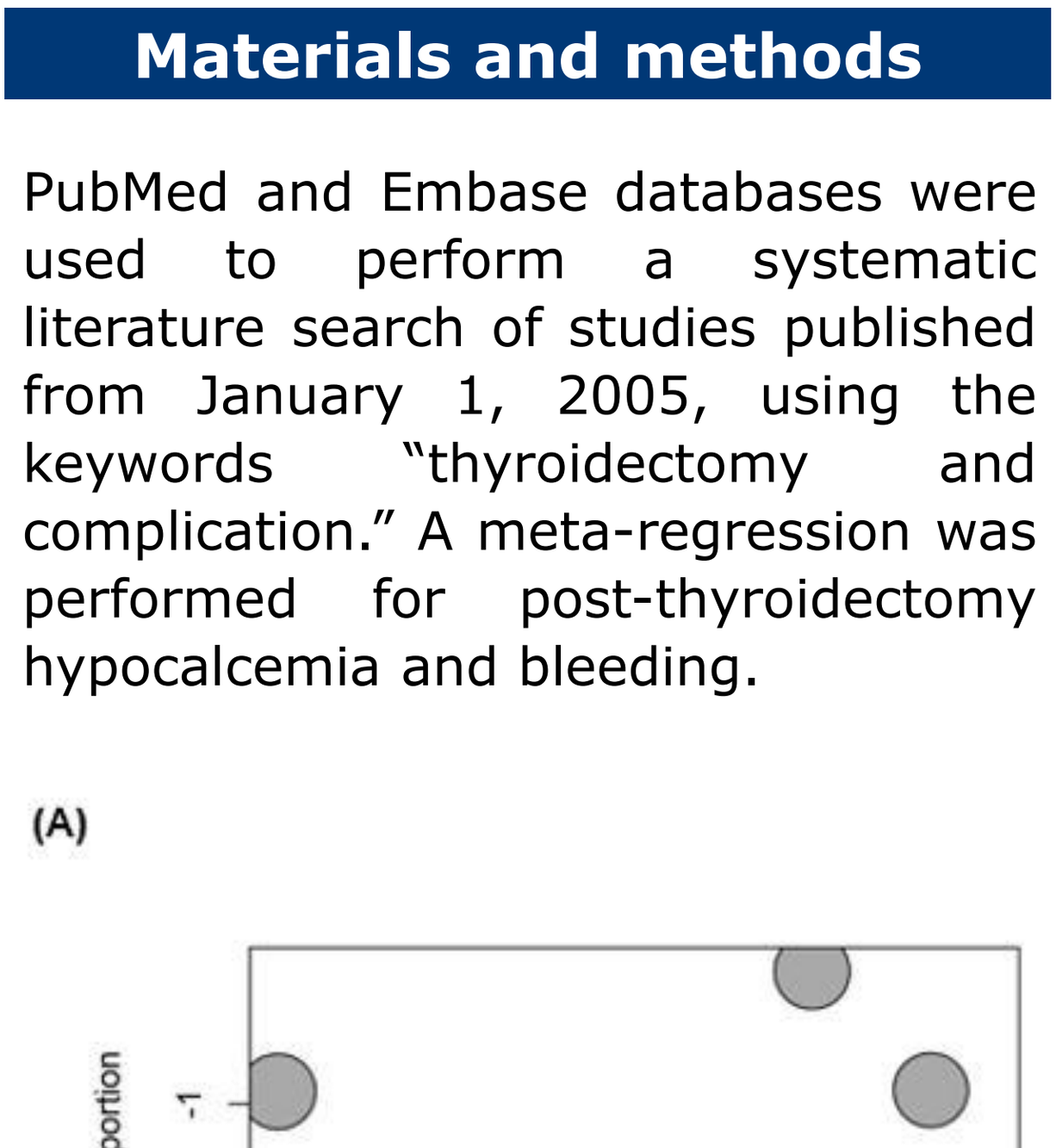
PubMed and Embase databases were used to perform a systematic literature search of studies published from January 1, 2005, using the keywords "thyroidectomy and complication." A meta-regression was performed for post-thyroidectomy hypocalcemia and bleeding.

Results

This meta-analysis included 25 studies involving 927,751 individuals. There was no significant difference through the years of publications about the proportion of post-thyroidectomy hypocalcemia and bleeding in this study (P=0.9978, 0.6393)

Conclusion

Although the number of thyroid surgeries has recently increased, the incidence of post-thyroidectomy hypocalcemia and bleeding did not significantly increase.



	B(SE)	P-value
Publication Year	0.0002(0.074)	0.9978

	B(SE)	P-value
Publication Year	-0.017(0.035)	0.6393

Figure 1. Meta-regression of post-thyroidectomy hypocalcemia (A) and post-thyroidectomy bleeding (B) about year

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