

**Online Resource 1:** Queries used to perform an extensive electronic literature search. Also presented are the date of the queries and the number of retrieved articles in total and after removal of duplicate papers.

Pubmed (NCBI)

((second primary cancer[MeSH Terms]) OR (((((((((((second primary cancer) OR second primary carcinoma) OR second primary malignancy) OR second primary neoplasm) OR second primary cancers) OR second primary carcinomas) OR second primary malignancies) OR second primary neoplasms) OR subsequent cancer) OR subsequent carcinoma) OR subsequent malignoma) OR second primary malignoma) OR subsequent neoplasms))) AND (((((((thyroid cancer) OR thyroid neoplasm) OR thyroid carcinoma) OR thyroid malignancy) OR thyroid malignancies) OR thyroid cancers) OR thyroid carcinomas) OR thyroid neoplasms)) OR thyroid cancer[MeSH Terms])

Originally searched: 3.5.2020

Updated: 13.12.2020

(Overall: 4983 articles)

Ovid MEDLINE, MEDLINE Epub Ahead of Print and In-Process & Other Non-Indexed Citations

( (Thyroid cancer or thyroid neoplasms or thyroid malignancy) af ).af. AND ((second primary cancer or second primary neoplasms or second primary malignancies or second primary malignancy or second primary carcinoma or subsequent carcinoma or subsequent cancer or subsequent malignancy or subsequent malignancies) af ).af.

Originally searched: 3.5.2020

Updated: 13.12.2020

(Overall: 148 articles)

Cochrane Central Register of Controlled Trials (CENTRAL)

("second primary cancer"):ti,ab,kw OR ("second primary malignancies"):ti,ab,kw OR ("second primary tumor"):ti,ab,kw AND ("thyroid cancer"):ti,ab,kw (Word variations have been searched)" (Word variations have been searched)

Searched: 3.5.2020

Updated: 13.12.2020

(Overall 284 articles)

Total articles, including duplicate papers: n=5415

Total articles after removal of duplicate papers: n=5269

Article Title: Second primary malignancies induced by radioactive iodine treatment of differentiated thyroid carcinoma – a critical review and evaluation of the existing evidence

Journal Name: European Journal of Nuclear Medicine and Molecular Imaging

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