

Table S1 The 100 most cited papers in thyroid surgery

Citation rate rank	Manuscript (first author, title)	Author	Journal	Year	Citations
1	2015 American Thyroid Association Management Guidelines for Adult Patients with Thyroid Nodules and Differentiated Thyroid Cancer The American Thyroid Association Guidelines Task Force on Thyroid Nodules and Differentiated Thyroid Cancer	Haugen, Bryan R	<i>THYROID</i>	2016	7073
2	Revised American Thyroid Association Management Guidelines for Patients with Thyroid Nodules and Differentiated Thyroid Cancer	Cooper, David S	<i>THYROID</i>	2009	4883
3	European consensus for the management of patients with differentiated thyroid carcinoma of the follicular epithelium	Pacini, Furio	<i>EUROPEAN JOURNAL OF ENDOCRINOLOGY</i>	2006	1457
4	A National Cancer Data Base Report on 53,856 Cases of Thyroid Carcinoma Treated in the US, 1985-1995	Hundahl SA	<i>CANCER</i>	1998	1339
5	Medical progress - Papillary and follicular thyroid carcinoma	Schlumberger MJ	<i>NEW ENGLAND JOURNAL OF MEDICINE</i>	1998	1204
6	The Bethesda System for Reporting Thyroid Cytopathology	Cibas Edmund S	<i>AMERICAN JOURNAL OF CLINICAL PATHOLOGY</i>	2009	1203
7	2016 American Thyroid Association Guidelines for Diagnosis and Management of Hyperthyroidism and Other Causes of Thyrotoxicosis	Ross Douglas S	<i>THYROID</i>	2016	1046
8	The thyroid nodule	Hegedus L	<i>NEW ENGLAND JOURNAL OF MEDICINE</i>	2004	993
9	Current approaches to primary therapy for papillary and follicular thyroid cancer	Mazzaferri EL	<i>JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM</i>	2001	976
10	Role of neck ultrasonography in the follow-up of patients operated on for thyroid cancer	Tessler Franklin N	<i>JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY</i>	2017	914
11	Risk of malignancy in nonpalpable thyroid nodules: Predictive value of ultrasound and color-Doppler features	Papini E	<i>JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM</i>	2002	911
12	Medullary Thyroid Cancer: Management Guidelines of the American Thyroid Association	Kloos Richard T	<i>THYROID</i>	2009	892
13	Thyroid carcinoma	Sherman SI	<i>LANCET</i>	2003	796
14	The importance of surgeon experience for clinical and economic outcomes from thyroidectomy	Sosa JA	<i>ANNALS OF SURGERY</i>	1998	763
15	Preoperative Diagnosis of Benign Thyroid Nodules with Indeterminate Cytology	Alexander Erik K	<i>NEW ENGLAND JOURNAL OF MEDICINE</i>	2012	752
16	Benign and malignant thyroid nodules: US differentiation - Multicenter retrospective study	Moon Won-Jin	<i>RADIOLOGY</i>	2008	752
17	New sonographic criteria for recommending fine-needle aspiration biopsy of nonpalpable solid nodules of the thyroid	Kim EK	<i>AMERICAN JOURNAL OF ROENTGENOLOGY</i>	2002	740
18	AMERICAN ASSOCIATION OF CLINICAL ENDOCRINOLOGISTS, AMERICAN COLLEGE OF ENDOCRINOLOGY, AND ASSOCIAZIONE MEDICI ENDOCRINOLOGI MEDICAL GUIDELINES FOR CLINICAL PRACTICE FOR THE DIAGNOSIS AND MANAGEMENT OF THYROID NODULES-2016 UPDATE	Gharib	<i>ENDOCRINE PRACTICE</i>	2016	731
19	BRAF mutation predicts a poorer clinical prognosis for papillary thyroid cancer	Xing MZ	<i>JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM</i>	2005	731
20	Thyroid cancer	Cabanillas Maria E	<i>LANCET</i>	2016	712
21	Special Issue: British Thyroid Association Guidelines for the Management of Thyroid Cancer Introduction	Perros Petros	<i>CLINICAL ENDOCRINOLOGY</i>	2014	704
22	The 2017 Bethesda System for Reporting Thyroid Cytopathology	Cibas Edmund S	<i>THYROID</i>	2017	667
23	Lymph node metastasis from 259 papillary thyroid microcarcinomas - Frequency, pattern of occurrence and recurrence, and optimal strategy for neck dissection	Wada N	<i>ANNALS OF SURGERY</i>	2003	614
24	Management Guidelines for Children with Thyroid Nodules and Differentiated Thyroid Cancer	Francis Gary L	<i>THYROID</i>	2015	610
25	Electrophysiologic Recurrent Laryngeal Nerve Monitoring During Thyroid and Parathyroid Surgery: International Standards Guideline Statement	Randolph Gregory W	<i>LARYNGOSCOPE</i>	2011	590
26	The Bethesda System for Reporting Thyroid Cytopathology: A Meta-Analysis	Bongiovanni Massimo	<i>ACTA CYTOLOGICA</i>	2012	580
27	Complications of thyroid surgery: Analysis of a multicentric study on 14,934 patients operated on in Italy over 5 years	Rosato L	<i>WORLD JOURNAL OF SURGERY</i>	2004	560
28	American Association of Clinical Endocrinologists, Associazione Medici Endocrinologi, and European Thyroid Association medical guidelines for clinical practice for the diagnosis and management of thyroid nodules	Gharib H	<i>JOURNAL OF ENDOCRINOLOGICAL INVESTIGATION</i>	2010	556
29	An observation trial without surgical treatment in patients with papillary microcarcinoma of the thyroid	Ito Y	<i>THYROID</i>	2003	542
30	Papillary microcarcinoma of the thyroid - Prognostic significance of lymph node metastasis and multifocality	Chow SM	<i>CANCER</i>	2003	538
31	The 2016 European Thyroid Association/European Group on Graves' Orbitopathy Guidelines for the Management of Graves' Orbitopathy	Bartalena Luigi	<i>EUROPEAN THYROID JOURNAL</i>	2016	528
32	Impact of Mutational Testing on the Diagnosis and Management of Patients with Cytologically Indeterminate Thyroid Nodules: A Prospective Analysis of 1056 FNA Samples	Nikiforov Yuri E	<i>JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM</i>	2011	527
33	An Ultrasonogram Reporting System for Thyroid Nodules Stratifying Cancer Risk for Clinical Management	Horvath Eleonora	<i>JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM</i>	2009	524
34	Papillary thyroid carcinoma managed at the Mayo Clinic during six decades (1940-1999): Temporal trends in initial therapy and long-term outcome in 2444 consecutively treated patients	Hay ID	<i>WORLD JOURNAL OF SURGERY</i>	2002	512
35	The American Association of Endocrine Surgeons Guidelines for Definitive Management of Primary Hyperparathyroidism	Wilhelm Scott M	<i>JAMA SURGERY</i>	2016	508
36	Clinically significant prognostic factors for differentiated thyroid carcinoma - A population-based, nested case-control study	Lundgren CI	<i>CANCER</i>	2006	503
37	Molecular Testing for Mutations in Improving the Fine-Needle Aspiration Diagnosis of Thyroid Nodules	Nikiforov Yuri E	<i>JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM</i>	2009	500
38	Axitinib is an active treatment for all histologic subtypes of advanced thyroid cancer: Results from a phase II study	Cohen Ezra E	<i>JOURNAL OF CLINICAL ONCOLOGY</i>	2008	500
39	Long-term assessment of a multidisciplinary approach to thyroid nodule diagnostic evaluation	Yassa Leila	<i>CANCER CYTOPATHOLOGY</i>	2007	492
40	Patient Age Is Significantly Related to the Progression of Papillary Microcarcinoma of the Thyroid Under Observation	Ito Yasuhiro	<i>THYROID</i>	2014	480
41	The Prognostic Significance of Nodal Metastases from Papillary Thyroid Carcinoma Can Be Stratified Based on the Size and Number of Metastatic Lymph Nodes, as Well as the Presence of Extranodal Extension	Randolph Gregory W	<i>THYROID</i>	2012	479
42	Complications to thyroid surgery: results as reported in a database from a multicenter audit comprising 3,660 patients	Bergenfels A	<i>LANGENBECKS ARCHIVES OF SURGERY</i>	2008	466
43	American Thyroid Association Guidelines for Management of Patients with Anaplastic Thyroid Cancer	Smallridge Robert C	<i>THYROID</i>	2012	464
44	MicroRNA expression profiling of thyroid tumors: Biological significance and diagnostic utility	Nikiforova Marina N	<i>JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM</i>	2008	453
45	Fine-needle aspiration of thyroid nodules: a study of 4703 patients with histologic and clinical correlations	Yang Jack	<i>CANCER CYTOPATHOLOGY</i>	2007	453
46	Management of simple nodular goiter: Current status and future perspectives	Hegedus L	<i>ENDOCRINE REVIEWS</i>	2003	453
47	Medullary thyroid carcinoma - Clinical characteristics, treatment, prognostic factors, and a comparison of staging systems	Kebebew E	<i>CANCER</i>	2000	450
48	Extent of surgery affects survival for papillary thyroid cancer	Bilimoria Karl Y	<i>ANNALS OF SURGERY</i>	2007	449
49	Biologic and Clinical Perspectives on Thyroid Cancer	Fagin James A	<i>NEW ENGLAND JOURNAL OF MEDICINE</i>	2016	428
50	Strategies of Radioiodine Ablation in Patients with Low-Risk Thyroid Cancer	Schlumberger M	<i>NEW ENGLAND JOURNAL OF MEDICINE</i>	2012	426
51	MicroRNA deregulation in human thyroid papillary carcinomas	Pallante P	<i>ENDOCRINE-RELATED CANCER</i>	2006	422
52	Risk factors of paralysis and functional outcome after recurrent laryngeal nerve monitoring in thyroid surgery	Dralle H	<i>SURGERY</i>	2004	415
53	Prognostic factors for persistent or recurrent disease of papillary thyroid carcinoma with neck lymph node metastases and/or tumor extension beyond the thyroid capsule at initial diagnosis	Leboulleux S	<i>JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM</i>	2005	412
54	Papillary thyroid microcarcinoma: A study of 900 cases observed in a 60-year period	Hay Ian D	<i>SURGERY</i>	2008	399
55	Diagnosis of follicular neoplasm: A gray zone in thyroid fine-needle aspiration cytology	Baloch ZW	<i>DIAGNOSTIC CYTOPATHOLOGY</i>	2002	397
56	Clinical Outcomes of Patients with Papillary Thyroid Carcinoma after the Detection of Distant Recurrence	Ito Yasuhiro	<i>WORLD JOURNAL OF SURGERY</i>	2010	395
57	Consensus Statement on the Terminology and Classification of Central Neck Dissection for Thyroid Cancer	Carty Sally E	<i>THYROID</i>	2009	392
58	Prognostic factors for survival and for biochemical cure in medullary thyroid carcinoma: results in 899 patients	Modigliani E	<i>CLINICAL ENDOCRINOLOGY</i>	1998	383

Table S1 (continued)

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59	Anaplastic thyroid carcinoma - Treatment outcome and prognostic factors	Kebebew E	CANCER	2005	382
60	Ablation with Low-Dose Radioiodine and Thyrotropin Alfa in Thyroid Cancer	Mallick Ujjal	NEW ENGLAND JOURNAL OF MEDICINE	2012	381
61	Elastography: New developments in ultrasound for predicting malignancy in thyroid nodules	Rago T	JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM	2007	381
62	Hypocalcemia following thyroid surgery: Incidence and prediction of outcome	Pattou F	WORLD JOURNAL OF SURGERY	1998	381
63	Systematic review and meta-analysis of predictors of post-thyroidectomy hypocalcaemia	Edafe O	BRITISH JOURNAL OF SURGERY	2014	370
64	Prognosis of medullary thyroid carcinoma - Demographic, clinical, and pathologic predictors of survival in 1252 cases	Roman Sanziana	CANCER	2006	369
65	Thyroid Cancer Epidemiology and Prognostic Variables	Sipos J A	CLINICAL ONCOLOGY	2010	362
66	Initial results from a prospective cohort study of 5583 cases of thyroid carcinoma treated in the United States during 1996 - An American College of Surgeons Commission on Cancer Patient Care Evaluation study	Hundahl SA	CANCER	2000	362
67	Multivariate analysis of risk factors for postoperative complications in benign goiter surgery: Prospective multicenter study in Germany	Thomusch O	WORLD JOURNAL OF SURGERY	2000	358
68	Early malignant progression of hereditary medullary thyroid cancer	Machens A	NEW ENGLAND JOURNAL OF MEDICINE	2003	356
69	The prevalence and prognostic value of BRAF mutation in thyroid cancer	Kebebew Electron	ANNALS OF SURGERY	2007	355
70	Scarless endoscopic thyroidectomy: Breast approach for better cosmesis	Ohgami M	SURGICAL LAPAROSCOPY ENDOSCOPY & PERCUTANEOUS TECHNIQUES	2000	349
71	Role of preoperative ultrasonography in the surgical management of patients with thyroid cancer	Kouvaraki MA	SURGERY	2003	348
72	Pattern of nodal metastasis for primary and reoperative thyroid cancer	Machens A	WORLD JOURNAL OF SURGERY	2002	348
73	Three Distinctly Different Kinds of Papillary Thyroid Microcarcinoma should be Recognized: Our Treatment Strategies and Outcomes	Sugitani Iwao	WORLD JOURNAL OF SURGERY	2010	347
74	Dabrafenib and Trametinib Treatment in Patients With Locally Advanced or Metastatic BRAF V600-Mutant Anaplastic Thyroid Cancer	Subbiah Vivek	JOURNAL OF CLINICAL ONCOLOGY	2018	346
75	Diagnostic accuracy of conventional versus sonography-guided fine-needle aspiration biopsy of thyroid nodules	Danese D	THYROID	1998	344
76	The North American Neuroendocrine Tumor Society Consensus Guideline for the Diagnosis and Management of Neuroendocrine Tumors Pheochromocytoma, Paraganglioma, and Medullary Thyroid Cancer	Chen Herbert	PANCREAS	2010	334
77	Serum thyrotropin concentration as a novel predictor of malignancy in thyroid nodules investigated by fine-needle aspiration	Boelaert K	JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM	2006	328
78	Highly Accurate Diagnosis of Cancer in Thyroid Nodules With Follicular Neoplasm/Suspicious for a Follicular Neoplasm Cytology by ThyroSeq v2 Next-Generation Sequencing Assay	Nikiforov YE	CANCER	2014	327
79	Radioiodine ablation of thyroid remnants after preparation with recombinant human thyrotropin in differentiated thyroid carcinoma: Results of an international, randomized, controlled study	Pacini F	JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM	2006	326
80	Ultrasonography-guided fine-needle aspiration of thyroid incidentaloma: correlation with pathological findings	Nam-Goong IS	CLINICAL ENDOCRINOLOGY	2004	326
81	Intraoperative monitoring of the recurrent laryngeal nerve in thyroid surgery	Dralle H	WORLD JOURNAL OF SURGERY	2008	325
82	Extensive clinical experience - Association of BRAF V600E mutation with poor clinicopathological outcomes in 500 consecutive cases of papillary thyroid carcinoma	Lupi Cristiana	JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM	2007	324
83	Application of an immunodiagnostic method for improving preoperative diagnosis of nodular thyroid lesions	Bartolazzi A	LANCET	2001	319
84	Morbidity of thyroid surgery	Bergamaschi R	AMERICAN JOURNAL OF SURGERY	1998	319
85	The impact of surgical technique on postoperative hypoparathyroidism in bilateral thyroid surgery: A multivariate analysis of 5846 consecutive patients	Thomusch O	SURGERY	2003	317
86	Anaplastic thyroid carcinoma: A 50-year experience at a single institution	Mclver B	SURGERY	2001	316
87	Anaplastic thyroid carcinoma: Biology, pathogenesis, prognostic factors, and treatment approaches	Are C	ANNALS OF SURGICAL ONCOLOGY	2006	314
88	Impact of routine measurement of serum calcitonin on the diagnosis and outcome of medullary thyroid cancer: Experience in 10,864 patients with nodular thyroid disorders	Elisei R	JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM	2004	307
89	Radiofrequency ablation of benign thyroid nodules: safety and imaging follow-up in 236 patients	Jeong Woo Kyoung	EUROPEAN RADIOLOGY	2008	306
90	Robotic thyroid surgery using a gasless, transaxillary approach and the da Vinci S system: The operative outcomes of 338 consecutive patients	Kang Sang-Wook	SURGERY	2009	305
91	Total thyroidectomy plus neck dissection in differentiated papillary thyroid carcinoma patients - Pattern of nodal metastasis, morbidity, recurrence, and postoperative levels of serum parathyroid hormone	Roh Jong-Lyel	ANNALS OF SURGERY	2007	305
92	Ultrasound criteria of malignancy for cervical lymph nodes in patients followed up for differentiated thyroid cancer	Leboulleux Sophie	JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM	2007	304
93	Higher serum thyroid stimulating hormone level in thyroid nodule patients is associated with greater risks of differentiated thyroid cancer and advanced tumor stage	Haymart Megan Rist	JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM	2008	303
94	2015 American Thyroid Association Management Guidelines for Adult Patients with Thyroid Nodules and Differentiated Thyroid Cancer: What is new and what has changed?	Haugen Bryan R	CANCER	2017	301
95	HYPERTHYROIDISM AND OTHER CAUSES OF THYROTOXICOSIS: MANAGEMENT GUIDELINES OF THE AMERICAN THYROID ASSOCIATION AND AMERICAN ASSOCIATION OF CLINICAL ENDOCRINOLOGISTS	Bahn Rebecca S	ENDOCRINE PRACTICE	2011	299
96	Iodine intake and the pattern of thyroid disorders: A comparative epidemiological study of thyroid abnormalities in the elderly in Iceland and in Jutland, Denmark	Laurberg P	JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM	1998	296
97	The impact of lymph node involvement on survival in patients with papillary and follicular thyroid carcinoma	Zaydfudim Victor	SURGERY	2008	295
98	Pediatric Thyroid Carcinoma: Incidence and Outcomes in 1753 Patients	Hogan Anthony R	JOURNAL OF SURGICAL RESEARCH	2009	293
99	Microcarcinoma of the thyroid gland - The Gustave-Roussy Institute Experience	Baudin E	CANCER	1998	283
100	US-elastography in the differential diagnosis of benign and malignant thyroid nodules	Asteria Carmela	THYROID	2008	279