

If a conflict arises between a Clinical Payment and Coding Policy and any plan document under which a member is entitled to Covered Services, the plan document will govern. If a conflict arises between a CPCP and any provider contract pursuant to which a provider participates in and/or provides Covered Services to eligible member(s) and/or plans, the provider contract will govern. "Plan documents" include, but are not limited to, Certificates of Health Care Benefits, benefit booklets, Summary Plan Descriptions, and other coverage documents. Blue Cross and Blue Shield of TX may use reasonable discretion interpreting and applying this policy to services being delivered in a particular case. Blue Cross and Blue Shield of TX has full and final discretionary authority for their interpretation and application to the extent provided under any applicable plan documents.

Providers are responsible for submission of accurate documentation of services performed. Providers are expected to submit claims for services rendered using valid code combinations from Health Insurance Portability and Accountability Act approved code sets. Claims should be coded appropriately according to industry standard coding guidelines including, but not limited to: Uniform Billing Editor, American Medical Association, Current Procedural Terminology, CPT® Assistant, Healthcare Common Procedure Coding System, ICD-10 CM and PCS, National Drug Codes, Diagnosis Related Group guidelines, Centers for Medicare and Medicaid Services National Correct Coding Initiative Policy Manual, CCI table edits and other CMS guidelines.

Claims are subject to the code edit protocols for services/procedures billed. Claim submissions are subject to claim review including but not limited to, any terms of benefit coverage, provider contract language, medical policies, clinical payment and coding policies as well as coding software logic. Upon request, the provider is urged to submit any additional documentation.

Thyroid Disease Testing

Policy Number: CPCPLAB019

Version 1.0

Approval Date: Sept. 13, 2024

Plan Effective Date: Jan. 1, 2025 (Blue Cross and Blue Shield of Texas Only)



Description

The plan has implemented certain lab management reimbursement criteria. Not all requirements apply to each product. Providers are urged to review Plan documents for eligible coverage for services rendered.

Reimbursement Information:

- 1. Thyroid function testing **may be reimbursable** in the following situations:
 - For individuals with signs and symptoms consistent with hypothyroidism (See Note 1)
 - i. TSH to confirm or rule out primary hypothyroidism;
 - ii. Free T4 (fT4) as a follow up to abnormal TSH findings;
 - iii. TSH and fT4 in cases of suspected secondary hypothyroidism;
 - iv. For individuals being treated for hypothyroidism, monitoring with TSH and fT4 testing every 6 weeks upon dosage change and annually in stable individuals.
 - b. For individuals with signs and symptoms consistent with hyperthyroidism (See **Note 2**)
 - i. TSH to confirm or rule out overt hyperthyroidism;
 - ii. Free T4 as a follow up to abnormal TSH findings;
 - iii. Total T3 (TT3) or free T3 (fT3) to confirm a diagnosis of hyperthyroidism;
 - iv. Free T4 to distinguish between overt and subclinical hyperthyroidism;
 - v. Monitoring individuals after treatment for hyperthyroidism
 - 1. In patients being treated for hyperthyroidism, repeat testing of TSH and fT4 should occur every 6-8 weeks;
 - 2. Annual monitoring after first year even if asymptomatic for risk of relapse or late-onset hypothyroidism.
 - c. For asymptomatic individuals at high risk for thyroid disease due to:
 - i. A personal or family history of thyroid dysfunction;
 - ii. Personal or family history of type 1 diabetes or other autoimmune disorder;
 - iii. Prescribed drugs that can interfere with thyroid function:
 - 1. Annually; or,
 - 2. When dosage or medication changes;
 - 3. If symptoms consistent with thyroid dysfunction develop.
 - d. For individuals capable of becoming pregnant how:
 - i. Are undergoing evaluation for infertility;
 - ii. Have experienced two or more pregnancy losses.



- e. For individuals with disease or neoplasm of the thyroid or other endocrine glands;
- f. For individuals with chronic or acute urticaria;
- g. For individuals undergoing immune reconstitution therapy (IRT), TSH testing:
 - i. Individuals with active relapsing remitting multiple sclerosis (MS) undergoing therapy with alemtuzumab (Lemtrada);
 - ii. Individuals with HIV undergoing highly active antiretroviral therapy (HAART);
 - iii. Individuals following allogeneic bone marrow transplantation (BMT) or hematopoietic stem cell transplantation (HSCT);
- h. Individuals suspected of central hypothyroidism.
- i. For individuals diagnosed with primary mitochondrial disease, annual screening of TSH and fT4.
- j. For pediatric individuals diagnosed with short stature.
- k. For pediatric individuals with a clinical finding of failure-to-thrive.
- 2. For individuals who are pregnant or who are postpartum **and** who have symptoms of thyroid dysfunction (see **Note 1 and Note 2**), TSH and fT4 testing (once every 4 weeks) **may be reimbursable**. (See **Note 3**).
- 3. For individuals who are pregnant or who are postpartum and who have been diagnosed with hyperthyroidism, total T4 (TT4), antithyroglobulin antibody (Tg-Ab), thyrotropin receptor antibodies (TRab), and anti-thyroid peroxidase antibody (TPOAb) **may be reimbursable.** (See **Note 3**)
- 4. For individuals with hypothyroidism or hyperthyroidism, testing for thyroid antibodies **may be reimbursable** (once every three years).
- 5. For individuals with thyroid cancer, testing for serum thyroglobulin and/or Tg-Ab levels for the detection of tumor recurrence, post-surgical evaluation, surveillance, and maintenance for differentiated thyroid carcinomas **may be reimbursable**.
- 6. For the evaluation of the cause of hyperthyroidism or hypothyroidism, testing for thyrotropin-releasing hormone (TRH) or thyroxine-binding globulin (TBG) **may be reimbursable**.
- 7. For all other situations not mentioned above, testing of reverse T3, T3 uptake and total T4 **is not reimbursable.**
- 8. For the assessment of hypothyroidism, measurement of total T3 (TT3) and/or free T3 (fT3) **is not reimbursable**.



- 9. To assess levothyroxine does in hypothyroid individuals, measurement of total or free T3 level **is not reimbursable**.
- 10. For asymptomatic nonpregnant individuals, testing for thyroid dysfunction during a general exam without abnormal findings **is not reimbursable**.

Note 1: Signs and symptoms of hypothyroidism include:

- Fatigue
- Increased sensitivity to cold
- Constipation
- Dry skin
- Unexplained weight gain
- Puffy face
- Hoarseness
- Muscle weakness
- Elevated blood cholesterol level
- Muscle aches, tenderness, and stiffness
- Pain, stiffness or swelling in your joints
- Heavier than normal or irregular menstrual periods
- Thinning hair
- Slowed heart rate
- Depression
- Impaired memory

Note 2: Hyperthyroidism can mimic other health problems, which may make it difficult for doctors to diagnose. It can also cause a wide variety of signs and symptoms, including:

- Sudden weight loss, even when your appetite and the amount and type of food you eat remain the same or even increase
- Rapid heartbeat (tachycardia) commonly more than 100 beats a minute irregular heartbeat (arrhythmia) or pounding of your heart (palpitations)
- Increased appetite
- Nervousness, anxiety, and irritability
- Tremor usually a fine trembling in your hands and fingers
- Sweating
- Changes in menstrual patterns
- Increased sensitivity to heat
- Changes in bowel patterns, especially more frequent bowel movements
- An enlarged thyroid gland (goiter), which may appear as a swelling at the base of your neck
- Fatigue, muscle weakness
- Difficulty sleeping
- Skin thinning
- Fine, brittle hair



Note 3: Due to significant changes in thyroid physiology during pregnancy, measurement of hormone levels should only be performed at labs that have trimester specific normal ranges for their assay(s). While fT4 is the preferred test, TT4 may be useful if the TSH and fT4 results are discordant or when trimester specific normal ranges for fT4 are unavailable.

Procedure Codes

The following is not an all-encompassing code list. The inclusion of a code does not guarantee it is a covered service or eligible for reimbursement.

Codes

80438, 80439, 83519, 84432, 84436, 84439, 84442, 84443, 84445, 84479, 84480, 84481, 84482, 86376, 86800

References:

AACE. (2023). *All About the Thyroid*. https://www.aace.com/disease-and-conditions/thyroid/all-about-thyroid

AAFP. (2012). *Hypothyroidism: An Update*. https://www.aafp.org/afp/2012/0801/p244.html

AAFP. (2018). Thyroid Dysfunction Screening. https://www.aafp.org/family-physician/patient-care/clinical-recommendations/all-clinical-recommendations/thyroid-dysfunction.html

AAP. (2017). http://www.choosingwisely.org/clinician-lists/aap-soen-avoid-measuring-thyroid-function-and-insulin-levels-in-obese-children/

ACOG. (2020). Thyroid Disease in Pregnancy: ACOG Practice Bulletin, Number 223. *Obstet Gynecol*, 135(6), e261-e274. https://doi.org/10.1097/aog.000000000003893

Alexander, E. K., Pearce, E. N., Brent, G. A., Brown, R. S., Chen, H., Dosiou, C., Grobman, W. A., Laurberg, P., Lazarus, J. H., Mandel, S. J., Peeters, R. P., & Sullivan, S. (2017). 2017 Guidelines of the American Thyroid Association for the Diagnosis and Management of Thyroid Disease During Pregnancy and the Postpartum. *Thyroid*, *27*(3), 315-389. https://doi.org/10.1089/thy.2016.0457

ASCP. (2015). http://www.choosingwisely.org/clinician-lists/american-society-clinical-pathology-suspected-thyroid-disease-evaluation/



ASCP. (2020). American Society for Clinical Pathology. https://www.choosingwisely.org/clinician-lists/ascp32-avoid-thyroid-stimulating-hormone-tsh-screening-in-annual-well-visits-for-asymptomatic-adults-regardless-of-age/

Bernstein, J. A., Lang, D. M., Khan, D. A., Craig, T., Dreyfus, D., Hsieh, F., Sheikh, J., Weldon, D., Zuraw, B., Bernstein, D. I., Blessing-Moore, J., Cox, L., Nicklas, R. A., Oppenheimer, J., Portnoy, J. M., Randolph, C. R., Schuller, D. E., Spector, S. L., Tilles, S. A., & Wallace, D. (2014). The diagnosis and management of acute and chronic urticaria: 2014 update. *J Allergy Clin Immunol*, *133*(5), 1270-1277. https://doi.org/10.1016/j.jaci.2014.02.036

Biktagirova, E. M., Sattarova, L. I., Vagapova, G. R., Skibo, Y. V., Chuhlovina, E. N., Kravtsova, O. A., & Abramova, Z. I. (2016). [Biochemical and immunological markers of autoimmune thyroiditis]. *Biomed Khim*, *62*(4), 458-465. https://doi.org/10.18097/pbmc20166204458 (Biokhimicheskie i immunologicheskie markery khronicheskogo limfotsitarnogo tireoidita.)

Brent, G. (2022). *Thyroid hormone action*. https://www.uptodate.com/contents/thyroid-hormone-action

Burmeister, L. A. (1995). Reverse T3 Does Not Reliably Differentiate Hypothyroid Sick Syndrome from Euthyroid Sick Syndrome. *Thyroid*, *5*(6), 435-441. https://doi.org/10.1089/thy.1995.5.435

Degrandi, R., Prodam, F., Genoni, G., Bellomo, G., Bona, G., Giordano, M., Bellone, S., & Monzani, A. (2021). The Prevalence of Thyroid Autoimmunity in Children with Developmental Dyslexia. *Biomed Res Int*, *2021*, 7656843. https://doi.org/10.1155/2021/7656843

Diana, T., Krause, J., Olivo, P. D., König, J., Kanitz, M., Decallonne, B., & Kahaly, G. J. (2017). Prevalence and clinical relevance of thyroid stimulating hormone receptor-blocking antibodies in autoimmune thyroid disease. *Clin Exp Immunol*, *189*(3), 304-309. https://doi.org/10.1111/cei.12980

Donangelo, I., & Suh, S. Y. (2017). Subclinical Hyperthyroidism: When to Consider Treatment. *Am Fam Physician*, *95*(11), 710-716.

Endocrine Society. (2022). *Don't routinely order a thyroid ultrasound in patients with abnormal thyroid function tests if there is no palpable abnormality of the thyroid gland.* http://www.choosingwisely.org/clinician-lists/endocrine-society-thyroid-ultrasounds-in-patients-with-abnormal-thyroid-function-tests/

EverlyWell. (2023). Check your thyroid from the comfort of home. https://www.everlywell.com/products/thyroid-test/



Garber, J. R., Cobin, R. H., Gharib, H., Hennessey, J. V., Klein, I., Mechanick, J. I., Pessah-Pollack, R., Singer, P. A., & Woeber, K. A. (2012). Clinical practice guidelines for hypothyroidism in adults: cosponsored by the American Association of Clinical Endocrinologists and the American Thyroid Association. *Endocr Pract*, *18*(6), 988-1028. https://doi.org/10.4158/ep12280.gl

Gholve, C., Kumarasamy, J., Kulkarni, S., & Rajan, M. G. R. (2017). In-House Solid-Phase Radioassay for the Detection of Anti-thyroglobulin Autoantibodies in Patients with Differentiated Thyroid Cancer. *Indian J Clin Biochem*, *32*(1), 39-44. https://doi.org/10.1007/s12291-016-0568-7

Gomes-Lima, C., & Burman, K. D. (2018). Reverse T3 or perverse T3? Still puzzling after 40 years. *Cleve Clin J Med*, *85*(6), 450-455. https://doi.org/10.3949/ccjm.85a.17079

Homan, G. J. (2016). Failure to Thrive: A Practical Guide. *Am Fam Physician*, *94*(4), 295-299. https://www.ncbi.nlm.nih.gov/pubmed/27548594

Hong Li, Y., & Marren, A. (2018). Recurrent pregnancy loss: A summary of international evidence-based guidelines and practice. *Aust J Gen Pract*, *47*(7), 432-436. https://doi.org/10.31128/AJGP-01-18-4459

Jin, H. Y. (2018). Prevalence of subclinical hypothyroidism in obese children or adolescents and association between thyroid hormone and the components of metabolic syndrome. *J Paediatr Child Health*, *54*(9), 975-980. https://doi.org/10.1111/jpc.13926

Jonklaas, J., Bianco, A. C., Bauer, A. J., Burman, K. D., Cappola, A. R., Celi, F. S., Cooper, D. S., Kim, B. W., Peeters, R. P., Rosenthal, M. S., & Sawka, A. M. (2014). Guidelines for the treatment of hypothyroidism: prepared by the american thyroid association task force on thyroid hormone replacement. *Thyroid*, *24*(12), 1670-1751. https://doi.org/10.1089/thy.2014.0028

Kahaly, G. J., Bartalena, L., Hegedus, L., Leenhardt, L., Poppe, K., & Pearce, S. H. (2018). 2018 European Thyroid Association Guideline for the Management of Graves' Hyperthyroidism. *Eur Thyroid J*, *7*(4), 167-186. https://doi.org/10.1159/000490384

Kazerouni, F., & Amirrasouli, H. (2012). Performance characteristics of three automated immunoassays for thyroid hormones. *Caspian J Intern Med*, *3*(2), 400-104.

Kiel, S., Ittermann, T., Völzke, H., Chenot, J.-F., & Angelow, A. (2020). Frequency of thyroid function tests and examinations in participants of a population-based study. *BMC Health Services Research*, *20*(1), 70. https://doi.org/10.1186/s12913-020-4910-7



Kluesner, J. K., Beckman, D. J., Tate, J. M., Beauvais, A. A., Kravchenko, M. I., Wardian, J. L., Graybill, S. D., Colburn, J. A., Folaron, I., & True, M. W. (2018). Analysis of current thyroid function test ordering practices. *J Eval Clin Pract*, *24*(2), 347-352. https://doi.org/10.1111/jep.12846

Korevaar, T. I. M., Derakhshan, A., Taylor, P. N., Meima, M., Chen, L., Bliddal, S., Carty, D. M., Meems, M., Vaidya, B., Shields, B., Ghafoor, F., Popova, P. V., Mosso, L., Oken, E., Suvanto, E., Hisada, A., Yoshinaga, J., Brown, S. J., Bassols, J., . . . Peeters, R. P. (2019). Association of Thyroid Function Test Abnormalities and Thyroid Autoimmunity With Preterm Birth: A Systematic Review and Meta-analysis. *Jama*, 322(7), 632-641. https://doi.org/10.1001/jama.2019.10931

Kravets, I. (2016). Hyperthyroidism: Diagnosis and Treatment. *Am Fam Physician*, *93*(5), 363-370.

LetsGetChecked. (2023). Home Thyroid Testing. https://www.letsgetchecked.com/home-thyroid-test/

Leung, A. M., & Brent, G. A. (2016). The Influence of Thyroid Hormone on Growth Hormone Secretion and Action. In L. E. Cohen (Ed.), *Growth Hormone Deficiency: Physiology and Clinical Management* (pp. 29-46). Springer International Publishing. https://doi.org/10.1007/978-3-319-28038-7_4

Li, D., Radulescu, A., Shrestha, R. T., Root, M., Karger, A. B., Killeen, A. A., Hodges, J. S., Fan, S. L., Ferguson, A., Garg, U., Sokoll, L. J., & Burmeister, L. A. (2017). Association of Biotin Ingestion With Performance of Hormone and Nonhormone Assays in Healthy Adults. *Jama*, *318*(12), 1150-1160. https://doi.org/10.1001/jama.2017.13705

Livingston, M., Birch, K., Guy, M., Kane, J., & Heald, A. H. (2015). No role for triiodothyronine (T3) testing in the assessment of levothyroxine (T4) over-replacement in hypothyroid patients. *Br J Biomed Sci*, *72*(4), 160-163.

Luewan, S., Chakkabut, P., & Tongsong, T. (2011). Outcomes of pregnancy complicated with hyperthyroidism: a cohort study. *Arch Gynecol Obstet*, *283*(2), 243-247. https://doi.org/10.1007/s00404-010-1362-z

Masika, L. S., Zhao, Z., & Soldin, S. J. (2016). Is measurement of TT3 by immunoassay reliable at low concentrations? A comparison of the Roche Cobas 6000 vs. LC-MSMS. *Clin Biochem*, *49*(12), 846-849. https://doi.org/10.1016/j.clinbiochem.2016.02.004

Mooij, C. F., Cheetham, T. D., Verburg, F. A., Eckstein, A., Pearce, S. H., Leger, J., & van Trotsenburg, A. S. P. (2022). 2022 European Thyroid Association Guideline for the management of pediatric Graves' disease. *Eur Thyroid J*, *11*(1). https://doi.org/10.1530/ETJ-21-0073



Muller, I., Moran, C., Lecumberri, B., Decallonne, B., Robertson, N., Jones, J., & Dayan, C. M. (2019). 2019 European Thyroid Association Guidelines on the Management of Thyroid Dysfunction following Immune Reconstitution Therapy. *European Thyroid Journal*, *8*(4), 173-185. https://doi.org/10.1159/000500881

Muraresku, C. C., McCormick, E. M., & Falk, M. J. (2018). Mitochondrial Disease: Advances in clinical diagnosis, management, therapeutic development, and preventative strategies. *Curr Genet Med Rep*, *6*(2), 62-72. https://doi.org/10.1007/s40142-018-0138-9

myLABBOX. (2023). *At Home Thyroid Health Screening Test*. Retrieved January 3, 2023 from https://www.mylabbox.com/product/at-home-thyroid-health-screening-test/

NICE. (2019). Thyroid disease: assessment and management. https://www.nice.org.uk/guidance/ng145

Paloma Health. (2023). *Complete Thyroid Blood Test Kit*. https://www.palomahealth.com/home-thyroid-blood-test-kit

Parikh, S., Goldstein, A., Karaa, A., Koenig, M. K., Anselm, I., Brunel-Guitton, C., Christodoulou, J., Cohen, B. H., Dimmock, D., Enns, G. M., Falk, M. J., Feigenbaum, A., Frye, R. E., Ganesh, J., Griesemer, D., Haas, R., Horvath, R., Korson, M., Kruer, M. C., . . . Chinnery, P. F. (2017). Patient care standards for primary mitochondrial disease: a consensus statement from the Mitochondrial Medicine Society. *Genet Med*, *19*(12). https://doi.org/10.1038/gim.2017.107

Poppe, K., Bisschop, P., Fugazzola, L., Minziori, G., Unuane, D., & Weghofer, A. (2021). 2021 European Thyroid Association Guideline on Thyroid Disorders prior to and during Assisted Reproduction. *European Thyroid Journal*, *9*(6), 281-295. https://doi.org/10.1159/000512790

Richmond, E. J., & Rogol, A. D. (2022). *Causes of short stature*. https://www.uptodate.com/contents/causes-of-short-stature

Ross, D. S. (2022a). *Diagnosis of and screening for hypothyroidism in nonpregnant adults*. https://www.uptodate.com/contents/diagnosis-of-and-screening-for-hypothyroidism-in-nonpregnant-adults

Ross, D. S. (2022b). *Diagnosis of hyperthyroidism* https://www.uptodate.com/contents/diagnosis-of-hyperthyroidism

Ross, D. S. (2022c). *Laboratory assessment of thyroid function*. https://www.uptodate.com/contents/laboratory-assessment-of-thyroid-function



Ross, D. S. (2022d). *Overview of thyroid disease and pregnancy*. UpToDate. https://www.uptodate.com/contents/overview-of-thyroid-disease-and-pregnancy

Ross, D. S., Burch, H. B., Cooper, D. S., Greenlee, M. C., Laurberg, P., Maia, A. L., Rivkees, S. A., Samuels, M., Sosa, J. A., Stan, M. N., & Walter, M. A. (2016). 2016 American Thyroid Association Guidelines for Diagnosis and Management of Hyperthyroidism and Other Causes of Thyrotoxicosis. *Thyroid*, *26*(10), 1343-1421. https://doi.org/10.1089/thy.2016.0229

Rugge, J. B., Bougatsos, C., & Chou, R. (2015). Screening and treatment of thyroid dysfunction: an evidence review for the U.S. Preventive Services Task Force. *Ann Intern Med*, *162*(1), 35-45. https://doi.org/10.7326/m14-1456

Sarkar, D. (2012). Recurrent pregnancy loss in patients with thyroid dysfunction. *Indian J Endocrinol Metab*, *16*(Suppl 2), S350-351. https://doi.org/10.4103/2230-8210.104088

SMFM. (2019). Don't screen asymptomatic pregnant women for subclinical hypothyroidism. http://www.choosingwisely.org/clinician-lists/smfm-screening-for-subclinical-hypothyroidism/

Society for Maternal-Fetal Medicine. (2014). *Screening for thyroid disease in pregnancy*. Society for Maternal-Fetal Medicine.

https://www.smfm.org/publications/88-screening-for-thyroid-disease-in-pregnancy

Stagnaro-Green, A., Abalovich, M., Alexander, E., Azizi, F., Mestman, J., Negro, R., Nixon, A., Pearce, E. N., Soldin, O. P., Sullivan, S., & Wiersinga, W. (2011). Guidelines of the American Thyroid Association for the diagnosis and management of thyroid disease during pregnancy and postpartum. *Thyroid*, *21*(10), 1081-1125. https://doi.org/10.1089/thy.2011.0087

TellmeGEN. (2023). *Thyroid Function*. https://www.tellmegen.com/en/results/dnatraits-test/thyroid-function-tsh-levels

Testing. (2023). *Thyroid Function*. https://www.testing.com/thyroid-function-testing/

Toloza, F. J. K., Derakhshan, A., Männistö, T., Bliddal, S., Popova, P. V., Carty, D. M., Chen, L., Taylor, P., Mosso, L., Oken, E., Suvanto, E., Itoh, S., Kishi, R., Bassols, J., Auvinen, J., López-Bermejo, A., Brown, S. J., Boucai, L., Hisada, A., . . . Maraka, S. (2022). Association between maternal thyroid function and risk of gestational hypertension and pre-eclampsia: a systematic review and individual-participant data meta-analysis. *Lancet Diabetes Endocrinol*, *10*(4), 243-252. https://doi.org/10.1016/s2213-8587(22)00007-9



USPSTF. (2017). *Thyroid Cancer: Screening*. Retrieved 1/6/21 from https://www.uspreventiveservicestaskforce.org/uspstf/recommendation/thyroid-cancer-screening

Wang, J. J., Zhuang, Z. H., Shao, C. L., Yu, C. Q., Wang, W. Y., Zhang, K., Meng, X. B., Gao, J., Tian, J., Zheng, J. L., Huang, T., & Tang, Y. D. (2021). Assessment of causal association between thyroid function and lipid metabolism: a Mendelian randomization study. *Chin Med J (Engl)*, *134*(9), 1064-1069. https://doi.org/10.1097/CM9.00000000000001505

Wilson, S. A., Stem, L. A., & Bruehlman, R. D. (2021). Hypothyroidism: Diagnosis and Treatment. *Am Fam Physician*, *103*(10), 605-613.

Yazici, P., Mihmanli, M., Bozkurt, E., Ozturk, F. Y., & Uludag, M. (2016). Which is the best predictor of thyroid cancer: thyrotropin, thyroglobulin or their ratio? *Hormones (Athens)*, *15*(2), 256-263. https://doi.org/10.14310/horm.2002.1677

Policy Update History:

Approval Date	Effective Date; Summary of Changes
09/13/2024	01/01/2025: New policy.