Thyroid and Parathyroid Disorders Online Course

Activity Description

The Thyroid and Parathyroid Disorders online course is offering a comprehensive review of diagnostic techniques and medical and surgical management of thyroid and parathyroid disorders. Lecture topics include the assessment of benign thyroid diseases as well as pre-and postoperative management of thyroid cancer and parathyroid disorders.

Target Audience

This activity is appropriate for endocrinologists, endocrine surgeons, head and neck surgeons, primary care physicians, nurse practitioners, physician assistants, and other providers who care for patients with thyroid and parathyroid disorders.

Learning Objectives

Upon conclusion of this activity, participants should be able to:

- Recognize parathyroid (benign and malignant) disorders including best practices
- Recognize thyroid (benign and malignant) disorders including best practices
- Identify indications for parathyroid surgery including medical management of parathyroid diseases
- Recognize the role of parathyroid imaging in detection of parathyroid lesions
- Identify the accuracy of parathyroid imaging in detection of parathyroid in new promising imaging modalities
- Recognize the treatment of various parathyroid disorders in various complex conditions to include chronic kidney disease
- Identify nonsurgical versus surgical management of thyroid nodules
- Identify nonsurgical versus surgical management of thyroid cancer
- Recognize guidelines for the management of thyroid nodules versus thyroid cancer
- Recognize modern management of Graves' disease and thyroid eye disease
- Identify medication related changes on thyroid function testing
- Identify the optimal management of hypothyroidism
- Recognize recent advances in clinical practice

Attendance at this Mayo Clinic course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

Accreditation Statement



In support of improving patient care, Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

Credit Statement(s)

AMA

Mayo Clinic College of Medicine and Science designates this enduring material for a maximum of 15.75 *AMA PRA Category 1 Credits* $^{\text{TM}}$. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AOA

The American Osteopathic Association designates this program for a maximum of 15.75 AOA Category 2-A credits.

ANCC

Mayo Clinic College of Medicine and Science designates this activity for a maximum of 15.75 ANCC contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

ABS

Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn credit toward the CME requirements of the American Board of Surgery's Continuous Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABS credit.

Other Healthcare Professionals

A record of attendance will be provided to all registrants for requesting credits in accordance with state nursing boards, specialty societies or other professional associations.

Disclosure Summary

As a provider accredited by Joint Accreditation for Interprofessional Continuing Education, Mayo Clinic College of Medicine and Science must ensure balance, independence, objectivity and scientific rigor in its educational activities. All who are in a position to control the content are required to disclose all financial relationships with any ineligible company. Faculty will also identify any off-label and/or investigational use of pharmaceuticals or instruments discussed in their content for FDA compliance.

Listed below are individuals with control of the content of this program who have disclosed...

Relevant financial relationship(s) with ineligible companies:

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Ejigayehu Abate, M.D.	Manuscript/Slide Review	AACE
Ejigayehu Abate, M.D.	Speakers Activities	Endocrine society
Abd Moain Abu Dabrh	Intellectual Property	AdviNOW Medical, Inc.
Victor Bernet	Stock Equity	Cisco
Victor Bernet	Stock Equity	Doubleline Total Return
Victor Bernet	Stock Equity	novocure
Manoj Jain	Stock Equity	Abbott Labs
Manoj Jain	Stock Equity	Abbvie Inc
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Jeffrey Janus	Honoraria	Medtronic, Inc.
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Peter Tebben, M.D.	Honoraria	Spruce Biosciences
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Robert Wermers	Honoraria	Medscape from WebMD
Robert Wermers	Honoraria	North American Center for CME (NACCME)

Robert Wermers	Research Grant	Alexion
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All relevant financial relationships listed for these individuals have been mitigated.

No relevant financial relationship(s) with ineligible companies:

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References to off-label and/or investigational usage(s) of pharmaceuticals or instruments in their presentation:

Name	Manufacturer/Provider	Product/Device/Medication
Ricardo Paz-Fumagalli	BPI labs, LLC	dehydrated ethyl alcohol (Ablysinol)

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Disclaimer

Participation in this Mayo Clinic educational activity does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course. You should be aware that substantive developments in the medical field covered by this recording may have occurred since the date of original release.

Prerequisites for Participation

There are no prerequisites needed prior to participating in this education activity.

Method of Participation

Participation in this activity consists of reviewing the educational material, completing the learner assessment and evaluation.

How to Obtain Credit

To obtain credit, complete the assessment, evaluation and submit.

Release and Expiration Dates

Release Date: February 4, 2025 Renewal Date: (If applicable) Expiration Date: February 3, 2028

Acknowledgement of Commercial Support

No commercial support was received in the production of this activity.

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Bibliographic Resources

Haugen BR et al. 2015 American thyroid association management guidelines for adult patients with thyroid nodule and cancer. Thyroid 2016 jan 1:26(1)1-133

Haymart, MR. Controversies in the management of low risk differentiated thyroid cancer. Endorine rev. 2017 Aug 1;38 (4) 351-378.

El-Hajj Fuleihan, G. and Silverberg, S. (2022) Primary hyperparathyroidism: Diagnosis, differential diagnosis, and evaluation, UptoDate. Edited by C. Rosen and K. Rubinow. Available at: https://www.uptodate.com/contents/primary-hyperparathyroidism-diagnosis-differential-diagnosis-and-

evaluation#H22 (Accessed: March 2023).

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