Impact of Maternal Thyroid Status on Pregnancy and Fetal and Childhood Development

Friday, April 2, 2004
Holiday Inn Old Town Select
Alexandria, Virginia

CME sponsored by the Johns Hopkins University School of Medicine

The American Association of Clinical Endocrinologists (AACE) and the American Thyroid Association (ATA) present a CME academic symposium on Maternal Thyroid Status on Pregnancy and Fetal and Childhood Development.

Course Description

Evidence is accumulating that maternal thyroid dysfunction has an untoward impact on fetal and childhood development. Maternal hypothyroidism is estimated to be 100 times more common than congenital hypothyroidism. There is a need for clinicians caring for women of reproductive age and during pregnancy to know which patients are at risk for thyroid dysfunction, and to know how to diagnose and manage thyroid disorders during pregnancy. This symposium will review normal thyroid function in healthy women and changes during pregnancy, discuss the prevalence and etiology of thyroid dysfunction during pregnancy, and review evidence of its adverse effect on pregnancy outcome and fetal and childhood development. This will include a discussion of the potential role of environmental toxins on thyroid function. The diagnosis and management of thyroid disorders during pregnancy will be reviewed, including a focus on whether at-risk patients can be identified and the potential benefits of population screening.

Course Objectives

Following this program, the participant should be able to:

- Describe the important changes in thyroid function that occur during pregnancy.
- List the most common causes of maternal hypothyroidism.
- Select appropriate thyroid diagnostic tests during pregnancy and interpret their results.
- Know factors to consider in the treatment of hypothyroidism and hyperthyroidism during pregnancy.
- Understand the implications of maternal hypothyroidism and hyperthyroidism on fetal outcome.

Program

This schedule is subject to change.

MORNING

7:15 - 8:00 Registration and Continental Breakfast
8:00 - 8:15 Welcome and Introduction
Shoshan K. LaFerla, MD
Robert C. Smallridge, MD, FACE

Maternal/Fetal Thyroid Physiology
Moderator: Hossein Gharib, MD, FACE
8:15 - 8:40 Thyroid Function in Healthy Women and Changes during Pregnancy
Daniel Greiner, MD, PhD
10:45 - 10:50 Invited Speaker
10:50 - 11:00 Panel Discussion/Q&A

AFTERNOON

10:00 - 9:45 Invited Speaker

11:35 - 12:00 Panel Discussion/Q&A

POST-PARTUM

12:00 - 1:00 Luncheon Program

1:00 - 1:30 Invited Speaker

1:30 - 2:10 Invited Speaker

2:10 - 2:40 Panel Discussion/Q&A

2:40 - 3:00 Invited Speaker

Course Objectives

Following this program, the participant should be able to:

- Complete and return the Evaluation and Credit Report Forms.

American Association of Clinical Endocrinologists (AACE)

The American Association of Clinical Endocrinologists is a professional medical organization devoted to the enhancement of the practice of clinical endocrinology.

American Thyroid Association (ATA)

The ATA provides outstanding leadership in thyroidology by promoting excellence and innovation in clinical care, research, education, and public advocacy.

Target Audience

Health care professionals caring for women of reproductive age or during pregnancy, particularly those women with known thyroid disorders, healthcare professionals caring for infants born to women with thyroid disorders. This includes primary care physicians (obstetrician-gynecologists, family medicine, and internists), sub-specialists (pediatrics, adult, and reproductive endocrinologists, perinatologists, neonatologists and genetic counselors), specialists in human development (medical psychologists), epidemiologists and public health policy makers, and advocacy groups for maternal and child health.

Course Objectives

At the conclusion of this program, the participant should be able to:

- Understand the implications of maternal hypothyroidism and hyperthyroidism on fetal outcome.
- Identify factors that increase the risk of maternal hypothyroidism and hyperthyroidism.
- Evaluate the importance of monitoring thyroid function during pregnancy.
- Compare the clinical characteristics of hypothyroidism and hyperthyroidism in adults and during pregnancy.
- Understand the importance of early detection and treatment of hypothyroidism and hyperthyroidism in women of childbearing age.
- Discuss the impact of maternal thyroid dysfunction on fetal and childhood development.

Course Objectives

Following this program, the participant should be able to:

- Describe the important changes in thyroid function that occur during pregnancy.
- List the most common causes of maternal hypothyroidism.
- Select appropriate thyroid diagnostic tests during pregnancy and interpret their results.
- Know factors to consider in the treatment of hypothyroidism and hyperthyroidism during pregnancy.
- Understand the implications of maternal hypothyroidism and hyperthyroidism on fetal outcome.

Course Objectives

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- Complete and return the Evaluation and Credit Report Forms.

The Johns Hopkins University School of Medicine holds responsibility for the content and scientific integrity of this CME activity.
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EMERGENCY CALLS
During the day of this meeting only, April 2nd, direct emergency calls to the hotel operator at 703-549-6080.

AMERICANS WITH DISABILITIES ACT
The Johns Hopkins University School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. Please notify us if you have any special needs.

POLICY ON FACULTY AND PROVIDER DISCLOSURE
It is the policy of the Johns Hopkins University School of Medicine that the faculty and provider discloses real or apparent conflicts of interest relating to the topics of this educational activity, and also disclose discussions of unlabeled/unapproved uses of drugs or devices during their presentations. Detailed disclosures will be made in the course handout materials.

REGISTRATION FEES:
For registrations received after 5 p.m. EST on March 30, 2004, include a $50 late fee.

- Physicians $225
- Residents/Fellows/Allied Health Professionals $75
- AMERICANS OF EUROPEAN ORIGIN $150
- Foreigners $225

REGISTRATION FORM
Please complete and mail to the Johns Hopkins University, Continuing Medical Education, P.O. Box 64128, Baltimore, Maryland 21204-4128. Include check payable to HOPKINS/MATERNAL, FETAL, THYROID HEALTH, or to your credit card registration to (410) 955-2607. Please include both front and back of registration form, including mailing label.

PAYMENT MUST ACCOMPANY FORM TO CONFIRM YOUR REGISTRATION.