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Subclinical Hyperthyroidism Enhances Gonadotropin-Lowering Effects of Metformin in Postmenopausal Women

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Why is this article important to you?
Learners that complete this activity will gain an enhanced understanding of the relationship between subclinical hyperthyroidism and the gonadotropin-lowering effects of metformin in postmenopausal women and evaluate the clinical implications of these findings for managing metabolic and hormonal imbalances in postmenopausal patients.

ACPE Accreditation Statement
The American College of Clinical Pharmacology® is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education.
UAN: 0665-0000-25-003-H01-P – ACPE 1 Contact Hours
Activity Type: Knowledge-based **Format:** Home-study **Target Audience**: 'P'

ACCME Accreditation Statement
The American College of Clinical Pharmacology® is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

ACCME Designation Statement
The Accreditation Council for Continuing Medical Education designates this journal CE activity for 1 *AMA PRA Category 1™* credit. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Target Audience
Interprofessional team of Physicians, Pharmacists, PhDs and other healthcare professionals interested in expanding their knowledge on the effects of metformin in postmenopausal women.

Learning Objectives
After completing this activity, the learner will be able to:

1. Analyze the impact of subclinical hyperthyroidism on metformin's gonadotropin-lowering effects in postmenopausal women;
2. Describe the clinical significance of metformin's effects on insulin sensitivity and pituitary hormones in patients with and without subclinical hyperthyroidism;
3. Compare metformin's effects on gonadotropins (FSH and LH) in postmenopausal women with normal thyroid function versus those with subclinical hyperthyroidism;
4. Interpret the implications of these findings for optimizing treatment strategies in patients with both metabolic and thyroid dysfunctions.

Requirements to Receive Credit
In order to receive continuing medical education (CME) or continuing pharmacy education (CPE) credit, the learner must register for the educational activity, study the provided journal article, complete the online learning Self-assessment Post-test as well as the online course Evaluation and CME/CPE Certificate. Credits and CME/CPE Certificates must be claimed within thirty (30) days of completing the article, Post-test and Evaluation. Contact CE@ACCP1.org with any questions.

Disclosures:

Article Selection:	John van den Anker, MD, PhD, Editor-in-Chief, JCP, selected the article for this course and has nothing to disclose.
Planner:	Irfan Khan, MD, Associate Professor, Jawaharlal Nehru Medical Coll, Aligarh Muslim Univ, planned the continuing education documentation for this course and has nothing to disclose.
CE Reviewer:	Steven Tung, MD, President, Steven R Tung MD LLC, served as the CE Reviewer and has nothing to disclose.

Schedule & Fees
JCP monthly Journal CE articles are generally released on the 1st or 2nd Tuesday of each month. They are priced in packages of January to December for each year. Packages are available at no cost to ACCP Members and $75/calendar year to Non-members. Once you register, you have access to all of the Journal CE articles for the calendar year.

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Home Study Initial Release and Expiration Dates
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Expiration Date: 3/1/2028

Online Location:
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