Members Obtain Free CE Credits from JCP Articles!

Construction and Validation of a Predictive Model for the Risk of Anti-Tuberculosis Drug-Induced Liver Injury Based on Machine Learning Algorithms

March 2026 – *The Journal of Clinical Pharmacology* (JCP)

Why is this article important to you?
Learners who complete this activity will strengthen their knowledge of anti-tuberculosis drug-induced liver injury (ATLI) as a serious adverse effect that can interrupt tuberculosis treatment and contribute to poor clinical outcomes. The activity examines the development and external validation of a machine learning–based predictive model that uses routinely available baseline clinical and laboratory variables to identify patients at increased risk for ATLI. Emphasis is placed on understanding model methodology, interpreting performance metrics and recognizing key predictive factors to support early risk identification and evidence-informed management of patients receiving anti-tuberculosis therapy.

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: 0665-0000-26-003-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 involved in the management and monitoring of patients receiving anti-tuberculosis therapy.

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

1. Apply predictive modeling concepts to support early identification of patients at risk for anti-tuberculosis drug-induced liver injury (ATLI);
2. Incorporate ATLI risk stratification principles into therapeutic decision-making for patients receiving anti-tuberculosis treatment;
3. Discuss key clinical variables associated with ATLI risk to support effective interprofessional communication and patient management.

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 N. van den Anker, MD, PhD, Editor-in-Chief, JCP, selected the article for this course and has nothing to disclose.
Planner:	Irfan Khan, MBBS, MD, Assistant Professor, Jawaharlal Nehru Medical Coll, Aligarh Muslim Univ, planned the continuing education documentation for this course and has nothing to disclose.
CE Reviewer:	Gagandeep Kwatra, MD, Additional Professor, Pharmacology, All India Inst of Medical Sciences in Bathinda, India, 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.

Acknowledgement of Financial Support
No financial support was received for this educational activity.

Home Study Initial Release and Expiration Dates
Date of Issuance: 3/1/2026
Expiration Date: 3/1/2029

Online Location:
https://accp1.org/Members/ACCP1/4Continuing_Education/Journal_CE.aspx?hkey=adecf2ad-e111-4e26-92b5-bbd8ce8fda14