

Diagnosis and Treatment of Autoimmune Hepatitis: Questions, Answers, and Illustrative Cases: Endorsed by Autoimmune Liver Diseases Special Interest Group, Turkish Association for the Study of Liver

See page S1





Editor in Chief

Aydın Şeref Köksal🕩

Department of Gastroenterology, Ankara Etlik City Hospital, Ankara, Turkey

Section Editors

Orhan Sezgin🕩

Department of Gastroenterology, Mersin University Faculty of Medicine, Mersin, Turkey

Sedef Özdal Kuran

Department of Gastroenterology, Çukurova University Faculty of Medicine, Adana, Turkey

Murat Akyıldız🕩

Department of Gastroenterology, Koç University Faculty of Medicine, İstanbul, Turkev Gökhan Kabacam

Department of Gastroenterology, Ankara Güven Hospital, Ankara, Turkey Department of Internal Medicine, Yuksek İhtisas University Faculty of Medicine, Ankara, Turkey

Ülkü Dağlı

Department of Gastroenterology, Başkent University Faculty of Medicine, Ankara, Turkey İsmail Hakkı Kalkan🗓

Department of Gastroenterology, TOBB University of Economics and Technology Faculty of Medicine, Ankara, Turkey

Engin Altıntaş®

Department of Gastroenterology, Mersin University Faculty of Medicine, Mersin, Turkey

Fatih Tekin

Department of Gastroenterology, Ege University Faculty of Medicine, İzmir, Turkey

Associate Editors

Dinç Dinçer🗅

Department of Gastroenterology, Akdeniz University Faculty of Medicine, Antalya, Turkey

Yasemin Balaban[®]

Department of Gastroenterology, Hacettepe University Faculty of Medicine, Ankara, Turkey

İlker Turan🕩

Department of Gastroenterology, Ege University Faculty of Medicine, İzmir, Turkey

Cumali Efe

Department of Gastroenterology, Gazi Yaşargil Education and Research Hospital, Diyarbakır, Turkey

Hüseyin Savaş Göktürk

Department of Gastroenterology, Başkent University Faculty of Medicine, Ankara, Turkey

Göksel Bengi

Department of Gastroenterology, Dokuz Eylül University Faculty of Medicine, İzmir, Turkey

Abdullah Emre Yıldırım

Department of Gastroenterology, Memorial Bahçelievler Hospital, İstanbul, Turkey Tarkan Karakan

Department of Gastroenterology, Gazi University Faculty of Medicine, Beşevler, Ankara, Turkey

Haluk Tarık Kani

Department of Gastroenterology, Marmara University Faculty of Medicine, İstanbul, Turkey

Salih Tokmak🕩

Department of Gastroenterology, Düzce University Faculty of Medicine, Düzce, Turkey

Öykü Tayfur Yürekli

Department of Gastroenterology, Ankara Yıldırım Beyazıt University Faculty of Medicine, Ankara, Turkey

Aslı Çiftçibaşı Örmeci

Department of Gastroenterology, İstanbul University İstanbul Faculty of Medicine, İstanbul, Turkey

Suna Yapalı

Department of Gastroenterology, Acıbadem University, Altunizade Acıbadem Hospital, İstanbul, Turkey

Hüsevin Alkım

Department of Gastroenterology, Şişli Etfal Education and Research Hospital, İstanbul, Turkey Erkin Öztas

Department of Gastroenterology, Acıbadem Maslak Hospital, İstanbul, Turkey

Mehmet Asıl

Department of Gastroenterology, Necmettin Erbakan University Meram Faculty of Medicine, Konya, Turkey

Özlem Gül

Department of Gastroenterology, Kırıkkale University Faculty of Medicine, Kırıkkale, Turkey

Cem Şimşek

Department of Gastroenterology, Health Sciences University, Mehmet Akif İnan Education and Research Hospital, İstanbul, Turkey

Serkan Öcal

Department of Gastroenterology, Antalya Training and Research Hospital, University of Health Sciences, Antalya, Turkey

Volkan Öter🕩

Department of Gastrointestinal Surgery, Ankara City Hospital, Ankara, Turkey

Yiğit Uyanıkgil

Department of Histology and Embryology, Ege University Faculty of Medicine, İzmir, Turkey



Ödül Eğritaş Gürkan🕒

Department of Pediatric Gastroenterology, Gazi University Faculty of Medicine, Ankara,

Ciğdem Ömür Ecevit

Department of Pediatric Gastroenterology, Health Sciences University, Dr. Behçet Uz Children Hospital, İzmir, Turkey

Nalan Gülşen Ünal 匝

Department of Gastroenterology, Ege University Faculty of Medicine, İzmir, Turkey

Statistical Editor

Gülşah Şeydaoğlu Department of Biostatistics, Çukurova University Faculty of Medicine, Adana, Turkev

Neiat Akar

Department of Pediatrics and Molecular Genetics, TOBB University of Economics & Technology Faculty of Medicine, Ankara, Turkey

Gülşah Gündoğdu

Department of Physiology, Pamukkale University Faculty of Medicine, Denizli, Turkey

Fatih Eren

Department of Medical Biology, Marmara University, İstanbul, Turkey

International Associate Editor

Ahmet Gürakar

Department of Gastroenterology and Hepatology, Johns Hopkins University School of Medicine, Baltimore, USA

Basak Celtikci

Department of Medical Biochemistry, Hacettepe University Faculty of Medicine, Ankara, Turkey

Founder

İbrahim Kara

General Manager Ali Sahin

Finance Coordinator

Elif Yıldız Çelik

Journal Managers

Deniz Kaya Irmak Berberoğlu Arzu Arı

Publication Coordinators

Gökhan Çimen Alara Ergin

İrem Özmen Derva Azer Beril Tekay Nuri Çalışır Nisanur Átıcı

Project Coordinators

Doğan Oruç Sinem Fehime Koz

Project Assistant

Batuhan Kara

Editor in Chief: Aydın Şeref Koksal

Address: Mustafa Kemal Mahallesi, 2126 Sokak, Kolbay İs Merkezi, C blok, No.: 6-9, Cankaya, Ankara, TURKEY

Phone: +90 312 284 15 11 Fax: +90 312 284 80 75 E-mail: dernek@tgd.org.tr

Publishing Service: AVES

Address: Buyukdere Cad., 105/9 34394 Mecidiyekoy, Şişli,

İstanbul. TURKEY **Phone:** +90 212 217 17 00 Fax: +90 212 217 22 92 E-mail: info@avesyayincilik.com Web page: avesyayincilik.com



About the Turkish Journal of Gastroenterology

Turkish Journal of Gastroenterology is a peer reviewed, open access, online-only journal published by the Turkish Society of Gastroenterology.

Turkish Journal of Gastroenterology is a monthly publication that is published in English.

Abstracting and Indexing

Turkish Journal of Gastroenterology is covered in the following abstracting and indexing databases; Web of Science-Science Citation Index Expanded, PubMed/MEDLINE, EMBASE, Scopus, DOAJ, China National Knowledge Infrastructure (CNKI), TUBITAK ULAKBIM TR Index, EBSCO, Gale.

All content published in the journal is permanently archived in Portico.

Aims, Scope, and Audience

Turkish Journal of Gastroenterology aims to publish studies of the highest scientific and clinical value, and encourages the submission of high-quality research that advances the understanding and treatment of gastroenterology and hepatology issues.

Turkish Journal of Gastroenterology covers a wide range of topics related to gastroenterology and hepatology, including diagnostic methods, treatment techniques, and prevention strategies. The journal is interested in publishing original research that addresses important clinical questions and advances the understanding and treatment of these conditions. This may include studies on the effectiveness of different treatments, new diagnostic tools or techniques, and novel approaches to preventing or managing gastrointestinal, hepatic, and related conditions.

Turkish Journal of Gastroenterology publishes clinical and basic research articles, reviews, systematic reviews and metaanalyses, video articles and letters to the editor. Conference proceedings may also be considered for publication.

The target audience of the journal includes healthcare professionals, physicians, and researchers who are interested in or working in the gastroenterology and hepatology field, and related disciplines.

Open Access Policy

Turkish Journal of Gastroenterology is an open access publication.

Starting on August 2022, all content published in the journal is licensed under the Creative Commons Attribution (CC BY) 4.0 International License which allows third parties to read, copy and redistribute the material in any format and adapt the material for any purpose immediately upon publication by giving the appropriate credit to the original work.

The content published before August 2022, was licensed under a traditional copyright, but the archive is still available for free access.

All published content is available online, free of charge at turkjgastroenterol.org.

When using previously published content, including figures, tables, or any other material in both print and electronic formats, authors must obtain permission from the copyright holder. Legal, financial and criminal liabilities in this regard belong to the author(s).

Authors retain the copyright of their published work in the Turkish Journal of Gastroenterology.



Copyright Policy

A Copyright Agreement and Acknowledgement of Authorship form should be submitted with all manuscripts. Authors should submit the Copyright Agreement and Acknowledgement of Authorship form to the online submission system during the first revision. By signing this form, authors transfer the copyright of their work to the Turkish Society of Gastroenterology and agree that the article, if accepted for publication by the Turkish Journal of Gastroenterology be licensed under a Creative Commons Attribution (CC BY) 4.0 International License which allows third parties to read, copy and redistribute the material in any format and adapt the material for any purpose immediately upon publication by giving the appropriate credit to the original work.

Publication Fee Policy

Starting on February 1, 2023, the Turkish Journal of Gastroentereology will collect an article processing charge (APC) for all articles.

Upon acceptance of the manuscript, authors should transfer the payment to the account stated in the acceptance letter. Following the transfer, please send your receipt of payment to info@turkjgastroenterol.org. Below is a list of APC amounts based on the type of manuscript.

- Original Article/Review 1200 USD (VAT included)
- Letter to the Editor 720 USD (VAT included)
- Research Letter 720 USD (VAT included)
- Video Article 480 USD (VAT included)

Please note that all submissions are evaluated by the Editorial Board and the external reviewers in terms of scientific quality and ethical standards. APC payments do not affect the outcome of the article's evaluation or its publication priority.

There are no surcharges based on the length of an article, figures, or supplementary data.

Any financial contribution or support received from third parties for a manuscript should be disclosed at the time of initial submission. Should APC be paid by a third party other than the author or the author's institution, authors must provide this information on the title page and ICMJE Disclosure Form.

APCs cover the expenses for publishing services the journal provides, including costs of peer review administration and management, professional production of articles in PDF and other formats, and dissemination of published papers in various venues and other publishing functions.







Diagnosis and Treatment of Autoimmune Hepatitis: Questions, Answers, and Illustrative Cases: Endorsed by Autoimmune Liver Diseases Special Interest Group, Turkish Association for the Study of Liver

AUTOIMMUNE HEPATITIS



- In-depth review for practicing physician
- · Question-Answer format
- Fully visualized (13 figures, 7 tables)
- 15 illustrative cases



Clinical

- Varied presentations
- Variant/Overlap syndromes





Diagnosis

- No pathonomonic criterion
- Clinical-Pathological coordination

3

Treatment

- · Remission is usual
- No cure

©Özaslan et al., 2023

Özaslan et al. Turk J Gastroenterol. 2023;34(S3):S1-S33.

Abbreviations

6-TGN, 6-thioguanine nucleotides

AASLD, American Association for the Study of the Liver Diseases

ACLF, acute-on-chronic liver failure

AD, acute decompensation

AIH, autoimmune hepatitis

ALF, acute liver failure

ALP, alkaline phospatase

ALT, alanine aminotransferase **AMA,** anti-mitochondrial antigen

ANA, anti-nuclear autoantibodies

anti-LC1, anti-liver cytosol type-1

anti-LKM1, anti-liver kidney microsomal type-1

anti-LKM3, anti-liver kidney microsomal type-3

anti-SLA/LP, anti-soluble liver antigens/liver pancreas autoantigen

APASL-AARC score, The Asian Pacific Association for the Study of

Liver, Research Consortium Score

ASC, autoimmune sclerosing cholangitis

ASH, acute severe hepatitis

AST, aspartate aminotransferase

AZA, azathioprine

BSG, British Society of Gastroenterology

CBR, complete biochemical response

CK, cytokeratin

CN, Centrilobular necrosis

CT, computerized tomography

DI-AILH, drug induced Autoimmune like hepatitis

DILI, drug-induced liver injury

DILIN, DILI network

EASL-CLIF-C, the European Association for the Study of the Liver, Chronic Liver Failure Consortium, Acute-on-Chronic Liver Failure Score

ERCP, endoscopic retrograde cholangiopancreatography

ERN RARE-LIVER, European Reference Network on Rare

Hepatological Diseases

ESPGHAN, The European Society for Paediatric Gastroenterology

Hepatology and Nutrition

GGT, gammaglutamyl transferase

GIS, gastrointestinal system

HAI, hepatic activity index

IA-DILI, immuno-allergic DILI

IBD, inflammatory bowel disease

IIF, indirect immunofluorescence

IR, insufficient response

IST, immunosuppressive treatment

LT, liver transplantation

MELD score, Model For End-Stage Liver Disease Score

MMF, mycophenolate mofetil

MRCP, magnetic resonance cholangiopancreatography

NACSELD, The North American Consortium for the Study of End Stage Liver Disease

NAFLD, non-alcoholic fatty liver disease

NASH, non-alcoholic steatohepatitis

OF score, organ failure score

PBC, primary biliary cholangitis

PSC, primary sclerosing cholangitis

RUCAM, Roussel Uclaf Causality Assessment Method for DILI

SMA, smooth muscle autoantibodies

SURFASA score, Survival and Prognostic Factors for Acute Severe

Autoimmune Hepatitis Score

TPMT, thiopurine methly transferase

UDCA, ursodeoxycholic acid

ULN, upper limit of normal