

March 2022
Volume: 26 Issue: 1

Turkish Journal of Endocrinology and Metabolism

JOURNAL OF THE SOCIETY OF ENDOCRINOLOGY AND METABOLISM OF TURKEY



SOCIETY OF
ENDOCRINOLOGY AND
METABOLISM OF
TURKEY

ISSN 1301-2193



SOCIETY OF
ENDOCRINOLOGY AND
METABOLISM OF
TURKEY

Turkish Journal of Endocrinology and Metabolism

JOURNAL OF THE SOCIETY OF ENDOCRINOLOGY AND METABOLISM OF TURKEY

Mart / March 2022 Vol / Cilt: 26 No / Sayı: 1

COPYRIGHT HOLDER / YAYIN SAHİBİNİN ADI

Society of Endocrinology and Metabolism of Türkiye / Türkiye Endokrinoloji ve Metabolizma Derneği adına
Aysegül Atmaca, MD

MANAGING CLERICAL DIRECTOR / SORUMLU YAZI İŞLERİ MÜDÜRÜ

Nilgün Başkal, MD

ADRESS FOR MANAGEMENT / YAYIN İDARE MERKEZİ

The Society of Endocrinology and Metabolism of Türkiye
Meşrutiyet Caddesi No: 29/12 Kızılay, Ankara, TURKIYE
Phone / Tel: +90 312 425 20 72
Fax / Faks: +90 312 425 20 98
web: www.turkjem.org
E-mail / E-posta: president@temd.org.tr

PUBLICATION TYPE AND PERIODS / YAYININ TÜRÜ VE PERİYODU

Turkish Journal of Endocrinology and Metabolism is published in English, 4 (March, June, September and December) times a year.

Local period publication.

Turkish Journal of Endocrinology and Metabolism 3 ayda bir olmak üzere yılda 4 sayı (Mart, Haziran, Eylül ve Aralık) İngilizce yayınlanır. Yaygın/Sürelî.

The Turkish Journal of Endocrinology and Metabolism is indexed in Emerging Sources of Citation Index (ESCI), British Library, CINAHL, Directory of Open Access Journals (DOAJ), EBSCO, EMBASE, Index Copernicus, SCOPUS, ProQuest, TÜBİTAK / ULAKBİM TR Index, TürkMedline, Türkiye Citation Index.

For requests concerning subscription information and advertising, please contact the Publisher:



Türkiye Klinikleri

Publishing House-Publisher / Basıldığı Yer-Basımcı-Yayımcı

Ortadoğu Reklam Tanıtım Yayıncılık Turizm Eğitim İnşaat Sanayi ve Ticaret A.Ş. (Türkiye Klinikleri)

Address: Nasuh Akar Mah. Türkocağı Cad. No:30 Balgat - Ankara Türkiye

Phone / Tel: +90 312 286 56 56

Fax / Faks: +90 312 220 04 70

E-mail / E-posta: info@turkiyeklinikleri.com

Web page: www.turkiyeklinikleri.com

The services of "Article Tracking (Automation)", "Layout", "Web Site Design-Operation" and "e-Mailing" are provided by Türkiye Klinikleri.

Bu derginin "Makale Takip (Otomasyon)", "Mizanpaj", "Web Sitesi Tasarım-İletişim" ve "Toplu e-Posta" hizmetleri Türkiye Klinikleri tarafından sağlanmaktadır.

Publication Date: 22 February 2022

ISSN: 1301-2193

E-ISSN: 1308-9846



SOCIETY OF
ENDOCRINOLOGY AND
METABOLISM OF
TURKEY

Turkish Journal of Endocrinology and Metabolism

JOURNAL OF THE SOCIETY OF ENDOCRINOLOGY AND METABOLISM OF TURKEY

Owner on Behalf of the Society of Endocrinology and Metabolism of Türkiye

Ayşegül Atmaca, Ondokuz Mayıs University Faculty of Medicine, Samsun

Editor-In-Chief

Nilgün Başkal, Ankara University Faculty of Medicine Retired Lecturer,
Ankara, Türkiye

Deputy Editor

Murat Faik Erdoğan, Ankara University Faculty of Medicine, Ankara, Türkiye

Associate Editors

Hasan Ali Altunbaş, Antalya, Türkiye

Dilek Gogas Yavuz, Marmara University Faculty of Medicine, İstanbul, Türkiye

Neslihan Başçıl Tütüncü, Başkent University Faculty of Medicine, Ankara, Türkiye

Statistical Consultant

Atilla Halil Elhan, Ankara, Türkiye

Levent Dönmez, Antalya, Türkiye

Derya Öztuna, Ankara, Türkiye

Can Ateş, Van, Türkiye

Language Editor

Jennifer Gabriel, California, USA

Honorary Board

Sema Akalın, Marmara University Faculty of Medicine Retired Lecturer, İstanbul, Türkiye

Metin Arslan, Gazi University Faculty of Medicine Retired Lecturer, Ankara, Türkiye

Gürbüz Erdoğan, Ufuk University Faculty of Medicine, Ankara, Türkiye

Olcay Gedik, Hacettepe University Faculty of Medicine Retired Lecturer, Ankara, Türkiye

Sadi Güngoğdu, İstanbul University Cerrahpaşa Faculty of Medicine Retired Lecturer, İstanbul, Türkiye

Hüsrev Hatemi, İstanbul, Türkiye

Şazi İmamoğlu, Uludağ University Faculty of Medicine Retired Lecturer, Bursa, Türkiye

Senay Molvalılar, İstanbul, Türkiye

Candeğer Yılmaz, Ege University Faculty of Medicine Retired Lecturer, İzmir, Türkiye

Editorial Board

Ersin Akarsu, Gaziantep University Faculty of Medicine, Gaziantep, Türkiye

Müjde Aktürk, Gazi University Faculty of Medicine, Ankara, Türkiye

Faruk Alagöl, Koç University Faculty of Medicine, İstanbul, Türkiye

Maria Alevizaki, Athens University School of Medicine, Athens, Greece

İnan Anaforoğlu, Medical Park International Trabzon Hospital, Trabzon, Türkiye

Yalçın Aral, Bozok University Institute of Health Sciences, Yozgat, Türkiye

Ayşegül Atmaca, Ondokuz Mayıs University Faculty of Medicine, Samsun, Türkiye

Göksun Ayvaz, Liv Hospital, Ankara, Türkiye

Ömer Azal, Gulhane Education and Research Hospital, Ankara, Türkiye

Mustafa Kemal Balcı, Akdeniz University Faculty of Medicine, Antalya, Türkiye

J Paul Banga, University of Duisburg-Essen Faculty of Medicine, Germany

David Baylink, Loma Linda University, California, USA

Fahri Bayram, Erciyes University Faculty of Medicine, Kayseri, Türkiye

Jens Bollerslev, Oslo University Hospital, Norway

Erol Bolu, Memorial Atasehir Hospital, İstanbul, Türkiye

Steen Joop Bonnema, Odense University Hospital, Denmark

Bekir Çakır, Yıldırım Beyazıt University Faculty of Medicine, Ankara, Türkiye

Mehtap Çakır, Kent Hospital, İzmir, Türkiye

Berrin Çetinarslan, Kocaeli University Faculty of Medicine, Kocaeli, Türkiye

Ahmet Çorakçı, Ufuk University Faculty of Medicine, Ankara, Türkiye

Abdurrhman Çömlekci, Dokuz Eylül University Faculty of Medicine, İzmir, Türkiye

Selçuk Dağdelen, Hacettepe University Faculty of Medicine, Ankara, Türkiye

Hatice Sebila Dökmetaş, İstanbul Medipol University Faculty of Medicine, İstanbul, Türkiye

Leonidas H Duntas, Evgenideion Hospital, University of Athens, Greece

Belgin Efe, Eskişehir Osmangazi University Faculty of Medicine, Eskişehir, Türkiye

Sevinç Eraslan, Dokuz Eylül University Faculty of Medicine, İzmir, Türkiye

Tomris Erbaş, Hacettepe University Faculty of Medicine, Ankara, Türkiye

Mehmet Erdoğan, Ege University Faculty of Medicine İzmir, Türkiye

Eda Ertörer, Başkent University Adana Dr. Turgut Noyan Hospital, Adana, Türkiye

John W. Funder, Monash University, Victoria, Australia

Hossein Gharib, Mayo Clinic, Minnesota, USA

Sait Gönen, İstanbul University Cerrahpaşa Faculty of Medicine, İstanbul, Türkiye

Nilgün Güvener, Okan University Faculty of Medicine, İstanbul, Türkiye

Serdar Güler, Liv Hospital, Ankara, Türkiye

Sevim Güllü, Ankara University Faculty of Medicine, Ankara, Türkiye

Zeliha Hekimsoy, Celal Bayar University Faculty of Medicine, Manisa, Türkiye

Larry Jameson, Perelman School of Medicine Univ. of Pennsylvania, Philadelphia, USA

Pınar Kadioğlu, İstanbul University Cerrahpaşa Faculty of Medicine, İstanbul, Türkiye

Ahmet Kaya, Selçuk University Meram Faculty of Medicine, Konya, Türkiye

Fahrettin Keleştimur, Health Institutes of Türkiye, Ankara, Türkiye

Mustafa Kutlu, Gulhane Education and Research Hospital, Ankara, Türkiye

Pierre J. Lefebvre, University of Liege Faculty of Medicine, Liege, Belgium

Connie Newman, NYU School of Medicine, New York, USA

Tae Sun Park, Chonbuk National University Medical School, Jeonju, Korea

Andreas F. H. Pfeiffer, Charité Universitätsmedizin Berlin, Germany

Gilles Russ, Pr Leenhardt La Pitie Salpetriere Hospital, France

İlhan Satman, İstanbul University İstanbul Faculty of Medicine, İstanbul, Türkiye

Füsun Saygılı, Ege University Faculty of Medicine, İzmir, Türkiye

Alper Sönmez, Gulhane Education and Research Hospital, Ankara, Türkiye

Tümay Sözen, Hacettepe University Faculty of Medicine, Ankara, Türkiye

İbrahim Şahin, İnönü University Faculty of Medicine, Malatya, Türkiye

Mustafa Şahin, Ankara University Faculty of Medicine, Ankara, Türkiye

Refik Tanakol, İstanbul University İstanbul Faculty of Medicine, İstanbul, Türkiye

Ali Rıza Uysal, Ankara University Faculty of Medicine, Ankara, Türkiye

Kürşad Ünlühızarcı, Erciyes University Faculty of Medicine, Kayseri, Türkiye

Ayşe Kubat Üzüm, İstanbul University İstanbul Faculty of Medicine, İstanbul, Türkiye

Irfan Vardarlı, Ruhr-University, Bochum, Germany

Anthony Weetman, The University of Sheffield, Sheffield, UK

Sema Yarman, İstanbul University İstanbul Faculty of Medicine, İstanbul, Türkiye

Bülent Okan Yıldız, Hacettepe University Faculty of Medicine, Ankara, Türkiye



SOCIETY OF
ENDOCRINOLOGY AND
METABOLISM OF
TURKEY

Turkish Journal of Endocrinology and Metabolism

JOURNAL OF THE SOCIETY OF ENDOCRINOLOGY AND METABOLISM OF TURKEY

AIMS AND SCOPE

Turkish Journal of Endocrinology and Metabolism (Turk J Endocrinol Metab) is the peer-reviewed periodical on clinical and experimental endocrinology and metabolism diseases and related fields. It is the official journal of the Society of Endocrinology and Metabolism of Türkiye and is published quarterly (March, June, September and December) as hardcopy and an electronic journal at www.turkjem.org. The manuscripts are published in English.

The journal publishes original research papers, reviews and case reports which primarily focus on clinical endocrinology. The journal's aim is to be essential for both endocrinologists and clinical practitioners.

Open Access Policy

Turkish Journal of Endocrinology and Metabolism is an open access journal under the [Creative Commons 4.0 International Licence \(CC BY-NC-SA 4.0\)](https://creativecommons.org/licenses/by-nc-sa/4.0/). This journal provides immediate open access to its content on the principle that making research freely available to the public supports a greater global exchange of knowledge. The journal does not demand submission and article processing charge (APC) from authors. Open Access Policy is based on rules of Budapest Open Access Initiative (BOAI) [\[Link\]](#)

Instructions for online manuscript submission, current issues and archives of the journal can be found at www.turkjem.org. Please do not send manuscripts to the editorial office. For other related issues you may contact the editorial office.

Subscription information

Turkish Journal of Endocrinology and Metabolism is distributed free of charge to all endocrinology academicians and instructors serving in our country. Access to full-text articles of all issues of the journal is free at the journal's website www.turkjem.org

Instructions for authors

Instructions for authors are published in the journal pages and can be accessed at the web site of the journal www.turkjem.org

Material Disclaimer

Statements or opinions expressed in the manuscripts published in Turkish Journal of Endocrinology and Metabolism reflect the views of the author(s) and are not the opinions of the editors, the editorial board and the publisher. The editors, editorial board and the publisher disclaim any responsibility or liability for such materials.

Advertising Policy

Turkish Journal of Endocrinology and Metabolism receives advertising support for its print and electronic editions and maintains editorial integrity through policies that define the Editorial/Advertiser relationship:

- Print and electronic advertising does not influence editorial decisions, and advertising is not an endorsement by the Publisher, Editor, or the Editorial Board.
- **Turk J Endocrinol Metab** reserves the right to refuse any advertising for any reason preserving the conditions consistent with the journal's high standards of healthcare editorial.
- Editors have full and final authority for approving print and electronic advertisements and for enforcing the advertising policy.
- Print advertisements are interspersed throughout the journal but do not interrupt the flow articles. The journal website contains online banner advertising.
- To avoid implied endorsement by the Journal, the article, or the authors of the article; advertisements are not adjacent to articles addressing the product or its disease state.
- The Publisher reserves the right to print the word "Advertisement" on any advertisement where it may not be clear, so readers can distinguish readily between advertising and editorial. It is the responsibility of the advertiser and its agencies to adhere to appropriate legal requirements and regulations. For all advertising information, please contact reklam@turkiyeklinikleri.com

The journal is printed on acid-free paper.

All rights are reserved. Rights to the use and reproduction, including in the electronic media, of all communications, papers, photographs and illustrations appearing in this journal belong to the Turkish Journal of Endocrinology and Metabolism. Reproduction without prior written permission of part or all of any material is forbidden. The journal complies with the Professional Principles of the Press.

The paper used the print this journal conforms to ISO 9706: 1994 standard (Requirements for Permanence). The National Library of medicine suggests that biomedical publications be printed on acid free paper (alkaline paper).

Reviewing the articles' conformity to the publishing standards of the Journal, typesetting, reviewing and editing and editing the manuscripts and abstracts in English and publishing process are realized by Türkiye Klinikleri.



SOCIETY OF
ENDOCRINOLOGY AND
METABOLISM OF
TURKEY

Turkish Journal of Endocrinology and Metabolism

JOURNAL OF THE SOCIETY OF ENDOCRINOLOGY AND METABOLISM OF TURKEY

INSTRUCTIONS FOR AUTHORS

Turkish Journal of Endocrinology and Metabolism (Turk J Endocrinol Metab) issues papers on all aspects of endocrinology. The journal is the scientific publishing organ of the Society of Endocrinology and Metabolism of Türkiye and has been published quarterly (March, June, September and December) since 1997. In addition to original articles, case reports, review articles, letters to the editor, educational articles, sections of question and answers, abstracts from literature and announcements of congresses/meetings are also published. Turkish Language Institution dictionary and orthography guide should be taken as basic for literary. The idioms used should be checked. The scientific and ethical liability of the manuscripts belongs to the authors and the copyright of the manuscripts belongs to the Turkish Journal of Endocrinology and Metabolism. The authors should submit the signed copyright transfer form together with their manuscripts. Authors are responsible for the contents of the manuscript and accuracy of the references. The authors should guarantee that their manuscripts has not been published and/or is not under consideration for publication in any other periodical. This requirement does not apply to papers presented in scientific meetings and whose summaries, not exceeding 250 words, are published. In this case, however, the name, date and place of the meeting in which the paper was presented should be stated. The signed statement of scientific contributions and responsibilities of all authors is required.

Turkish Journal of Endocrinology and Metabolism does not charge any article submission or processing charges.

Peer-review

Editorial policies of the journal are conducted according to the rules advised by Council of Science Editors and reflected in the Uniform Requirements for Manuscripts Submitted to Biomedical Journals: Writing and Editing for Biomedical Publication (<http://www.icmje.org/>).

Submitted manuscripts are subjected for double-blind peer-review. The scientific board guiding the selection of the papers to be published in the Journal consists of elected experts of the Journal and if necessary, selected from national and international experts in the relevant field of research. All manuscripts are reviewed by the editor, section associate editors and at least three internal and external expert referees. All research articles undergo review by statistical editor as well.

Submitted manuscripts are also subjected for the evaluation of plagiarism, duplicate publication by automatic software. Authors are obliged to acknowledge if they published study results in full or in part in form of abstracts.

The authors of the accepted manuscripts should be in consent that the editor and associate editors could make corrections without changing the main text of the paper. Manuscript format should be in accordance with Uniform Requirements for Manuscripts Submitted to Biomedical Journals: Writing and Editing for Biomedical Publication (<http://www.icmje.org/>).

For details: <http://www.turkjem.org/pages/peer-review-ethic-5>

General Guidelines

Manuscripts can only be submitted electronically through the web site (<http://www.turkjem.org>) after creating an account. This system allows online submission and peer-review. The manuscripts are archived according to ICMJE-www.icmje.org, Index Medicus (Medline/PubMed) and Ulakbim-Turkish Medicine Index Rules. Rejected manuscripts, except artwork are not returned.

For the experimental, clinical and drug human studies, approval by ethical committee and statement on the adherence of the study protocol to the international agreements (Helsinki Declaration revised 2013 (<https://www.wma.net/wp-content/uploads/2016/11/DoH-Oct2013-JAMA.pdf>)) are required. In experimental animal studies, the authors should indicate that the procedures followed were in accordance with animal rights (Guide for the care and use of laboratory animals,

<https://www.nap.edu/read/12910/chapter/1>) and they should obtain animal ethic committee approval. The Ethic Committee approval document should be submitted to the Turkish Journal of Endocrinology and Metabolism together with the manuscript.

The approval of the ethic committee, statement on the adherence to international guidelines mentioned above and that the patients' informed consent is obtained should be indicated in the 'Material and Method' section and is required for case reports whenever data/media used could reveal identity of the patient. The declaration of the conflict of interest between authors, institutions, acknowledgement of any financial or material support, aid is mandatory for authors submitting manuscript and the statement should appear at the end of manuscript. Reviewers are required to report if any potential conflict of interest exists between reviewer and authors, institutions.

Original Articles

Clinical research should comprise clinical observation, new techniques or laboratory studies. Provided that these manuscripts are written with lower-case letters, they should include the title in Turkish/English, the background and the key words in Turkish/English, introduction, materials and methods, results (findings), discussion, references, tables, charts, pictures and they should be written in accordance with Journal Agent rules. They should not exceed sixteen (A4) pages.

It is recommended to present research articles and meta-analysis/systematic reviews article according to the guidelines on specific design of the study: randomized studies (CONSORT), observational studies (STROBE), studies on diagnostic accuracy (STARD), meta-analysis and systematic review (PRISMA, MOOSE) and other study designs (www.equator-network.org).

Author Information

The name and the surname of the authors should be written without abbreviation. The academic titles, the affiliations and the addresses of these affiliations should be clearly declared. Furthermore, the contact information of the corresponding author should be entered to the system. Since e-mail will be used primarily for the contact with the authors, the e-mail of the corresponding author should be indicated. In addition the phone and the fax numbers should be also indicated.

Title Page

This page should include the titles of the manuscript, key words and running titles. In Turkish manuscripts the title in English should also take place. Likely, Turkish title should be mentioned for articles in foreign language. If the content of the paper has been previously presented or its abstract has been published, an explanation should be made in this page about this issue. If there are any grants and other financial supports by any institutions or firms for the study, information must be provided by the authors.

Abstract

Turkish and English summaries of the manuscript should take place in a manner that it will not exceed 250 words. The keywords should be written at the end of the summary. The references should not be cited in the summary section. As far as possible, use of abbreviations is to be avoided. If any abbreviations are used, they must be taken into consideration independently of the abbreviations used in the text. The summary should be written with four running titles.

Purpose: The goal of the study should be clearly stated.

Material and Method: The study should be defined, the standard criteria; it should be also indicated whether the study is randomized or not, whether it is retrospective or prospective, the statistical method, if any, should be indicated.

Results (Findings): The detailed result of the study should be given and the statistical significance level should be indicated.



SOCIETY OF
ENDOCRINOLOGY AND
METABOLISM OF
TURKEY

Turkish Journal of Endocrinology and Metabolism

JOURNAL OF THE SOCIETY OF ENDOCRINOLOGY AND METABOLISM OF TURKEY

INSTRUCTIONS FOR AUTHORS

Discussion: It should reflect the results of the study, the favorable and unfavorable aspects should be declared.

Key words: At least three and maximum eight key words. (in English and in Turkish) Do not use abbreviations in the key words. Turkish key words will be provided by the editorial office for the authors who are not Turkish speakers. If you are not a native Turkish speaker, please re-enter your English keywords to the area provided for the Turkish keywords. English key words should be provided from Medical Subject Headings (<http://www.nlm.nih.gov/mesh/>) while Turkish key words should be provided from <http://www.bilimterimleri.com>.

Original researches should have the following sections;

Introduction

Brief explanation about the topic should be done, the objective of the study should be indicated and these should be supported by the literature information.

Materials and Methods

The study design should be described, it should be indicated whether it is interventional randomized or observational, whether it is retrospective or prospective, the number of trials, the characteristics, studied variables and specific methods, the used statistical methods should be indicated. If any, it should be indicated that the results should be scrutinized.

Results (Findings)

The results should be given, the tables and the pictures should be given in numerical order and, the results should be indicated as % and/or p-values.

Discussion

The obtained values should be discussed with its favorable and unfavorable aspects and, they should be compared with literature.

Study Limitations: Study Limitations and strengths, and directions for further research or implication must be discussed.

Conclusion: The conclusion of the study should be highlighted.

Authors contributions, Declaration of conflict of interest and Acknowledgements should appear at the end of the main text of manuscript.

References

Accuracy of reference data is the author's responsibility. References should be numbered according to the consecutive citation in the text. References should be indicated by parenthesis in the text. If there is Turkish Reference, attention should be paid to indicate this. Journal titles should be abbreviated according to the style used in the Index Medicus. All the references, books, papers and similar articles should be cited as references should be written according to the rules of the International Committee of Medical Journal Editors Uniform Requirements for Manuscripts Submitted to Biomedical Journals (http://www.nlm.nih.gov/bsd/uniform_requirements.html).

Journal: The surnames of the authors and the initial of authors' names, the title of the paper, the title of the journal (the original abbreviation stated in the journal), year, volume and the page numbers.

Example: Collin JR, Rathbun JE. Involuntal entropion: a review with evaluation of a procedure. Arch Ophthalmol. 1978;96:1058-1064.

Book with a Single Author: The surname and the initial of the author, the title, chapter and section, the name of the editor, title of the book, place of publication, name of the printing house, year of print, page numbers.

Example: Herbert L. Conjunctivitis, keratitis and infections of periorbital structures. In: Armstrong D, Cohen J, eds. The Infectious Diseases (1st ed). Philadelphia; Mosby Harcourt; 1999;11;1-8.

Book Chapter: The surname and the initial of the author, chapter and section, name of the editor, title of the book, place of publication, name of the printing house, year of print, page numbers.

Example: O'Brien TP, Green WR. Periocular Infections. In: Feigin RD, Cherry JD, eds. Textbook of Pediatric Infectious Diseases (4th ed). Philadelphia; W.B. Saunders Company;1998:1273-1278.

Visual Materials (Tables, Graphics, Figures, and Pictures): All tables, graphics or figures should be enumerated according to the sequence within the text and a brief descriptive caption should be written. The abbreviations used should be definitely explained in the figure's legend. Especially, the text of tables should be easily understandable and should not repeat the data of the main text. Illustrations that already published are acceptable if supplied by permission of authors for publication. The details of the pictures should be distinguishable and they should be recorded in JPEG format and in 500 pixels per inch at least.

Case Reports

It should consist of the title, summary, key words, summary in English, key words, introduction, case report, discussion and references, the case or the cases should be worth to be presented, it should contribute to literature, and all of them should not exceed 5 papers in (A4) sizes.

Review

It should include new topics, the own experiences of the author, if possible, and the references also. It should consist of the title in Turkish, the summary, the key words, the title in English, the summary in English and the keywords in English.

Letters to the Editor

They should be essays in the "review" manner in various topics or the essays concerning the articles published in the Turkish Journal of Endocrinology and Metabolism with the contributive content or contents as questions that do not exceed 200 words.

Scientific Letters

The manuscripts should be error-free in the summaries compiled from the articles in other journals, the author names (surname, name) should be written, the journal title should be written with its original abbreviation, its year should be indicated and, the name and he surname of the translator should be indicated under the manuscript.

Correspondence

All correspondences can be done to the following postal address or to the following e-mail address, where the journal editorial resides:

Address: Ankara University Faculty of Medicine, Department of Endocrinology and Metabolism, Ankara, Türkiye

Phone: +90 312 508 21 00

Fax: +90 312 309 45 05

E-mail: nilgun.baskal@temd.org.tr

"This journal licenced under the terms of the [Creative Commons 4.0 International Licence \(CC BY-NC-SA 4.0\)](https://creativecommons.org/licenses/by-nc-sa/4.0/)"



SOCIETY OF
ENDOCRINOLOGY AND
METABOLISM OF
TURKEY

Turkish Journal of Endocrinology and Metabolism

JOURNAL OF THE SOCIETY OF ENDOCRINOLOGY AND METABOLISM OF TURKEY

Mart / March 2022 Vol / Cilt: 26 No / Sayı: 1

CONTENTS

Original Articles

- 1** A Cross-Sectional Study of the Prevalence of Cardiovascular Disease in Adults with Type 2 Diabetes in Türkiye: The CAPTURE Study
Türkiye’de Erişkin Tip 2 Diabetes Mellituslularda Güncel Kardiyovasküler Hastalık Prevalansının Kesitsel Bir Çalışması: CAPTURE Türkiye Çalışması
Fahri Bayram, Taner Bayraktaroğlu, Mehmet Sargin, İbrahim Şahin, Sibel Güldiken, Ayşegül Dalbeler, Alper Sönmez
- 13** Simultaneous Teamwork May Improve Hypoglycemia Rates in Patients with Type 1 Diabetes Using an Insulin Pump
İnsülin Pompası Kullanan Tip 1 Diyabetli Hastaların Hipoglisemi Düzeylerinin İyileştirilmesinde Eş Zamanlı Ekip Çalışmasının Önemi
Başak Özgen Saydam, Süleyman Cem Adıyaman, Berfu Yeşilli, Aysun Belgin Bektaş, Özgül Vatanserver, Nalan Aydın, Simge Yılmaz Kavcar, Canan Değirmenci, Fırat Bayraktar, Barış Akıncı
- 23** Effect of COVID-19 Pandemic in Patients with Bariatric Surgery
Bariyatrik Cerrahi Hastalarına COVID-19 Pandemisinin Etkisi
Abdulkadir Ünsal, Veysel Barış Turhan, Doğan Öztürk, Hakan Buluş
- 30** Serum Endocan Level and Its Correlation with Clinicopathologic Features in Patients with Papillary Thyroid Cancer
Papiller Tiroid Kanseri Hastalarında Serum Endokan Düzeyi ve Klinikopatolojik Özellikler ile İlişkisi
Musa Kürşad Şener, Melia Karaköse, Muhammet Kocabaş, Taha Ulutan Kars, Cihad Solak, Fethi Yönet, Mehmet Emin Gerek, Fatma Hümeysra Yerlikaya, Mustafa Kulaksızoğlu, Feridun Karakurt

Review Article

- 38** Current Diabetes Technology and its Challenges
Güncel Diyabet Teknolojisi ve Zorlukları
Ayesha Fauzi, Adeline Yoke Yin Chia, Yin Quantang



SOCIETY OF
ENDOCRINOLOGY AND
METABOLISM OF
TURKEY

Turkish Journal of Endocrinology and Metabolism

JOURNAL OF THE SOCIETY OF ENDOCRINOLOGY AND METABOLISM OF TURKEY

Case Reports

- 48** Persistent Subacute Thyroiditis Post SARS-CoV-2 Vaccine in a Male Patient with Positive Thyroid Autoantibodies
Tiroid Otoantikorları Pozitif Olan Erkek Hastada İnaktif SARS-CoV-2 Aşısından Sonra Gelişen
Persistan Subakut Tiroidit
Ömercan Topaloğlu, Sakin Tekin, Seda Nur Topaloğlu, Taner Bayraktaroğlu
- 55** Pituitary Gland as a Rare Primary Localization of Lymphoma
Nadir Bir Primer Lenfoma Lokalizasyonu: Hipofiz Bezi
Burak Özbaş, Özlem Canöz, Zeynep Güven, İzzet Ökçesiz, Hüseyin Dursun, Ahmet Selçuklu,
Hatice Yılmaz, Züleyha Karaca, Kürşad Ünlühızcı