ISSN 2687-4520 · EISSN 2687-4482



# **ABCRESEARCH** Archives of Basic and Clinical Research

Official Journal of the Erzincan Binali Yıldırım University School of Medicine

**Effect of Usnea Longissima on Lung Cancer** Durdu Altuner, Saliha Ekşi, Halis Süleyman, Emine Akyüz Turumtay

**Trochanteric Epiphysiodesis for Legg-Calvê-Perthes Disease** Volkan Gür, Furkan Yapıcı, Kutalmış Albayrak, Timur Yıldırım, Ayşegül Bursalı

Electron Microscopic Changes in Liver Injury

Tuba Demirci, Ozlem Ozgul Abuc, Zerrin Orbak, Nurinnisa Özturk

Cardiac Magnetic Resonance Imaging

Elif Gozgec, Mecit Kantarci, Onur Taydas, Hayri Ogul, Enbiya Aksakal

Volume **3** Issue **1** January 2021



ER

abcresearch.net



#### **EDITOR IN CHIEF**

#### Mecit Kantarcı

Department of Radiology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### **ASSOCIATE EDITORS**

#### **Surgical Sciences**

#### İsmet Yalkın Çamurcu

Department of Orthopedics and Traumatology, Atlas University School of Medicine, İstanbul, Turkey

#### **Internal Medicine**

#### Fatih Özçiçek

Department of Internal Medicine, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey:

#### **Basic Medical Sciences**

#### Cuma Mertoğlu

Department of Medical Biochemistry, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Dentistry

#### Kezban Meltem Çolak

Department of Endodontics, Erzincan Binali Yıldırım University Faculty of Dentistry, Erzincan, Turkey

#### **Health Sciences**

#### Nadiye Özer

Department of Surgical Nursing, Erzincan Binali Yıldırım University Faculty of Health Science, Erzincan, Turkey

#### **Biostatistical Editor**

#### Yusuf Kemal Arslan

Department of Biostatistics, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

Erzincan Binali Yıldırım Üniversitesi Tıp Fakültesi adına sahibi ve Sorumlu Yazı İşleri Müdürü / Owner and Responsible Manager on behalf of the Erzincan Binali Yıldırım University School of Medicine: Abdulmecit Kantarcı · Yayın türü / Publication Type: Yerel süreli / Local periodical · Basım yeri / Printed at: Kaya Ozalit Dijital Baskı Sistemleri ve Reklam Tic. Ltd. Şti. Ömer Avni Mah. Meclis-i Mebusan Cad. No: 75/A 34427 Beyoğlu, İstanbul - Türkiye (+90 444 53 48) · Basım tarihi / Printing Date: Ocak 2021 / January 2021 · Erzincan Binali Yıldırım Üniversitesi Tıp Fakültesi tarafından yayınlanmaktadır / Published by Erzincan Binali Yıldırım University School of Medicine, Erzincan Binali Yıldırım Üniversitesi Tıp Fakültesi/Başbağlar Mah. 24100 Erzincan - Türkiye (+90 446 226 18 18)



All expenses of the Archives of Basic and Clinical Research are covered by the unconditional education support provided by Erzincan Culture and Education Foundation (EKEV).

Archives of Basic and Clinical Research'ın giderleri, Erzincan Kültür ve Eğitim Vakfı (EKEV) tarafından sağlanan koşulsuz eğitim desteğiyle karşılanmaktadır.



Publisher İbrahim KARA

Publications Director Ali ŞAHİN

Editorial Development Gizem KAYAN TEKAÜT

Deputy Publications Director Gökhan ÇİMEN Publication Coordinators irem SOYSAL Arzu YILDIRIM Deniz KAYA Bahar ALBAYRAK Emre KARA Gamze BİLGEN irem ULUDAĞ

Finance and Administration Zeynep YAKIŞIRER ÜREN Betül ÇİMEN Project Coordinators Sinem Fehime KOZ Doğan ORUÇ

Graphics Department Ünal ÖZER Deniz Elif DURAN Contact

Address: Büyükdere Cad. No: 105/9 34394 Mecidiyeköy, Şişli-İstanbul, Turkey Phone: +90 212 217 17 00 Fax: +90 212 217 22 92 <u>E-mail: i</u>nfo@avesyayincilik.com



#### **EDITORIAL BOARD**

#### Emin Murat Akbaş

Department of Internal Medicine, Division of Endocrinology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Mehmet Aktaş

Department of Medical Biochemistry, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Bülent Aydınlı

Department of General Surgery, Akdeniz University School of Medicine, Antalya, Turkey

#### Adnan Ayvaz

Division of Pediatric Neurology, Okan University School of Medicine, İstanbul, Turkey

#### Şenol Biçer

Department of Pediatric Surgery, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Abdullah Böyük

Department of General Surgery, University of Health Sciences, Elazığ Health Application and Research Center, (Clinic of General Surgery, Elazığ Fethi Sekin City Hospital), Elazığ, Turkey

#### Mutlu Büyüklü

Department of Cardiology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Ertunç Dayı

Department of Oral & Maxillofacial Surgery, Erzincan Binali Yıldırım University School of Dentistry, Erzincan, Turkey

#### İsmail Demiryılmaz

Department of General Surgery, Akdeniz University School of Medicine, Antalya, Turkey

#### Cihan Duran

Division of Diagnostic Imaging, University of Texas, MD Anderson Cancer Center, Houston, Texas, USA

#### Menduh Dursun

Department of Radiology, İstanbul University İstanbul School of Medicine, İstanbul, Turkey

#### Tayfun Çakır

Department of Brain and Nerve Surgery, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Ayşe Çarlıoğlu

Division of Endocrinology, Lokman Hekim University School of Medicine, Ankara, Turkey

#### Fehmi Çelebi

Department of General Surgery, Sakarya University School of Medicine, Sakarya, Turkey

#### Abdulkadir Çoban

Department of Medical Biochemistry, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Levent Demirtaş

Department of Internal Medicine, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### **Bekir Elma**

Department of Thoracic Surgery, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### İzzet Emir

Department of Cardiovascular Surgery, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Abdullah Erdoğan

Department of Urology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Mehmet Gündoğdu

Department of Internal Medicine, Division of Hematology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Alp Gürkan

Department of General Surgery, Okan University School of Medicine, İstanbul, Turkey

#### Ender Hür

Division of Nephrology, Manisa Merkezefendi State Hospital, Manisa, Turkey

#### Ali Veysel Kara

Department of Internal Medicine, Division of Nephrology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Faruk Karakeçili

Department of Infectious Diseases and Clinical Microbiology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Erdal Karavaş

Department of Radiology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Muşturay Karçaaltıncaba

Department of Radiology, Hacettepe University School of Medicine, Ankara, Turkey

#### **Ercüment Keskin**

Department of Urology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Nizamettin Koçkara

Department of Orthopedics and Traumatology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Mehmet Nuri Konya

Department of Orthopedics and Traumatology, Afyonkarahisar University of Health Sciences, Afyonkarahisar, Turkey

#### Korgün Koral

Department of Radiology, University of Texas Southwestern Medical Center, Dallas, Texas, ABD



#### Emin Köse

Department of General Surgery, University of Health Sciences, İstanbul Okmeydanı Health Application and Research Center, İstanbul, Turkey

#### Özlem Kurt Azap

Department of Infections Diseases and Clinical Microbiology, Başkent University School of Medicine, Ankara, Turkey

#### **Ergün Kutlusoy**

Department of Cardiology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Ufuk Kuyrukluyıldız

Department of Anesthesiology and Reanimation, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### İlke Küpeli

Department of Anesthesiology and Reanimation, Kocaeli Derince Training and Research Hospital, Kocaeli, Turkey

#### Akın Levent

Department of Radiology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Cenk Naykı

Department of Obstetrics and Gynaecology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Ümit Arslan Naykı

Department of Obstetrics and Gynaecology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Levent Oğuzkurt

Department of Radiology, Koc University Hospital, İstanbul, Turkey

#### Didem Onk

Department of Anesthesiology and Reanimation, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Oruç Alper Onk

Department of Cardiovascular Surgery, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### **Aytekin Oto**

Department of Radiology and Surgery, UChicago Medicine, Illinois, USA

#### Hasan Mücahit Özbaş

Division of Hematology, Giresun University School of Medicine, Giresun, Turkey

#### Aslı Özbek Bilgin

Department of Medical Pharmacology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Adalet Özçiçek

Department of Internal Medicine, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Pınar Öztürk

Department of Emergency Medicine, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### İlyas Sayar

Department of Medical Pathology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Hakan Sofu

Department of Orthopedics and Traumatology, Altınbaş University School of Medicine, İstanbul, Turkey

#### İlknur Sürücü Kara

Department of Pediatric Diseases, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### İbrahim Şahin

Department of Medical Biology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### İdris Şahin

Division of Nephrology, İnönü University School of Medicine, Malatya, Turkey

#### Garip Şahin

Division of Nephrology, Osmangazi University School of Medicine, Eskişehir, Turkey

#### Vedat Şahin

Department of Orthopedics and Traumatology, University of Health Sciences, Baltalimanı Metin Sabancı Bone Diseases Training and Research Hospital, İstanbul, Turkey

#### Aslı Şener

Department of Emergency Medicine, İzmir Çiğli Regional Education Hospital, İzmir, Turkey

#### Kültigin Türkmen

Division of Nephrology, Necmettin Erbakan University Meram School of Medicine, Konya, Turkey

#### Adem Uğurlu

Clinic of Eye Diseases, Erzincan Mengücek Gazi Training and Research Hospital, Erzincan, Turkey

#### Paşa Uluğ

Department of Obstetrics and Gynaecology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Mustafa Ünübol

Division of Endocrinology, Adnan Menderes University School of Medicine, Aydın, Turkey

#### Edhem Ünver

Department of Chest Diseases, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey

#### Judy Yee

Department of Radiology, Montefiore Medical Centre, Albert Einstein College of Medicine, New York, USA

#### Gürsel Yıldız

Division of Nephrology, Okan University School of Medicine, İstanbul, Turkey

#### İsmayil Yılmaz

Department of General Surgery, University of Health Sciences, İstanbul Okmeydanı Health Application and Research Center, İstanbul, Turkey



### **AIMS AND SCOPE**

Archives of Basic and Clinical Research (Arch Basic Clin Res) is the scientific, peer reviewed, open access journal of the Erzincan Binali Yıldırım University School of Medicine. The journal is a triannual publication, published in January, May, and September. The journal's publication languages are English and Turkish.

Archives of Basic and Clinical Research aims to contribute to the literature by publishing original clinical and experimental research articles at the highest scientific quality in all fields of medicine. The journal also publishes rare case reports, reviews, letters to the editor, and images of interest. The target audience of the journal includes physicians, researchers, and healthcare professionals who are interested or working in all fields of medicine.

The editorial and publication processes of the journal are shaped in accordance with the guidelines of the International Committee of Medical Journal Editors (ICMJE), World Association of Medical Editors (WAME), Council of Science Editors (CSE), Committee on Publication Ethics (COPE), European Association of Science Editors (EASE), and National Information Standards Organization (NISO). The journal is in conformity with the Principles of Transparency and Best Practice in Scholarly Publishing (doaj.org/bestpractice).

Processing and publication are free of charge with the journal. No fees are requested from the authors at any point throughout the evaluation and publication process. All manuscripts must be submitted via the online submission system, which is available at www.abcresearch.net. The journal guidelines, technical information, and the required forms are available on the journal's web page.

All expenses of the journal are covered by the Erzincan Binali Yıldırım University School of Medicine. Potential advertisers should contact the Editorial Office. Advertisement images are published only upon the Editor-in-Chief's approval.

Statements or opinions expressed in the manuscripts published in the journal reflect the views of the author(s) and not the opinions of the Erzincan Binali Yıldırım University School of Medicine, editors, editorial board, and/or publisher; the editors, editorial board, and publisher disclaim any responsibility or liability for such materials.

All published content is available online, free of charge at www.abcresearch.net. Printed copies of the journal are sent to the corresponding authors of the published articles, and the rest of the copies are sent to Erzincan Binali Yıldırım University School of Medicine.

Archives of Basic and Clinical Research is an open access publication, and the journal's publication model is based on the Budapest Open Access Initiative (BOAI) declaration. Authors retain the copyright of their published work in the Archives of Basic and Clinical Research. The journal's content is licensed under a Creative Commons Attribution 4.0 International License, which allows third parties to share and adapt the material for any purpose provided that proper credit is given to the authors and the original work.

#### Editor in Chief: Prof. Mecit Kantarcı

**Address:** Department of Radiology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey **E-mail:** akkanrad@hotmail.com

Publisher: AVES Address: Büyükdere Cad., 105/9 34394 Mecidiyeköy, Şişli, İstanbul, Turkey Phone: +90 212 217 17 00 Fax: +90 212 217 22 92 E-mail: info@avesyayincilik.com Web page: avesyayincilik.com



### **INSTRUCTIONS TO AUTHORS**

Archives of Basic and Clinical Research (Arch Basic Clin Res) is the scientific, peer reviewed, open access journal of the Erzincan Binali Yıldırım University School of Medicine. The journal is a triannual publication, published in January, May, and September. The journal's publication language is English and Turkish.

Archives of Basic and Clinical Research aims to contribute to the literature by publishing original clinical and experimental research articles at the highest scientific quality in all fields of medicine. The journal also publishes rare case reports, reviews, letters to the editor, and images of interest. The target audience of the journal includes physicians, researchers, and healthcare professionals who are interested or working in all fields of medicine.

#### EDITORIAL AND PUBLICATION PROCESS

The editorial and publication processes of the journal are shaped in accordance with the guidelines of the International Council of Medical Journal Editors (ICMJE), the World Association of Medical Editors (WAME), the Council of Science Editors (CSE), the Committee on Publication Ethics (COPE), the European Association of Science Editors (EASE), and National Information Standards Organization (NISO). The journal conforms to the Principles of Transparency and Best Practice in Scholarly Publishing (doaj.org/bestpractice).

Originality, high scientific quality, and citation potential are the most important criteria for a manuscript to be accepted for publication. Manuscripts submitted for evaluation should not have been previously presented or already published in an electronic or printed medium. The journal should be informed of manuscripts that have been submitted to another journal for evaluation and rejected for publication. The submission of previous reviewer reports will expedite the evaluation process. Manuscripts that have been presented in a meeting should be submitted with detailed information on the organization, including the name, date, and location of the organization.

#### PEER REVIEW PROCESS

Manuscripts submitted to Archives of Basic and Clinical Research will go through a double-blind peer-review process. Each submission will be reviewed by at least two external, independent peer reviewers who are experts in their fields in order to ensure an unbiased evaluation process. The editorial board will invite an external and independent editor to manage the evaluation processes of manuscripts submitted by editors or by the editorial board members of the journal. The Editor in Chief is the final authority in the decision-making process for all submissions.

#### ETHICAL PROCEDURES

An approval of research protocols by the Ethics Committee in accordance with international agreements (World Medical Association Declaration of Helsinki "Ethical Principles for Medical Research Involving Human Subjects," amended in October 2013, www.wma.net) is required for experimental, clinical, and drug studies and for some case reports. If required, ethics committee reports or an equivalent official document will be requested from the authors. For manuscripts concerning experimental research on humans, a statement should be included that shows that written informed consent of patients and volunteers was obtained following a detailed explanation of the procedures that they may undergo. For studies carried out on animals, the measures taken to prevent pain and suffering of the animals should be stated clearly. Information on patient consent, the name of the ethics committee, and the ethics committee approval number should also be stated in the Materials and Methods section of the manuscript. It is the authors' responsibility to protect the patients' anonymity carefully.

For photographs that may reveal the identity of the patients, signed releases of the patient or their legal representative should be enclosed, and the publication approval must be provided in the Materials and Methods section.

#### PLAGIARISM

Archives of Basic and Clinical Research is extremely sensitive about plagiarism. All submissions are screened by a similarity detection software (iThenticate by CrossCheck) at any point during the peer-review and/or production process. Even if you are the author of the phrases or sentences, the text should not have unacceptable similarity with the previously published data.

When you are discussing others' (or your own) previous work, please make sure that you cite the material correctly in every instance.

In the event of alleged or suspected research misconduct, e.g., plagiarism, citation manipulation, and data falsification/ fabrication, the Editorial Board will follow and act following COPE guidelines.



#### AUTHORSHIP

Each person listed as an author should fulfill the authorship criteria recommended by the International Committee of Medical Journal Editors (ICMJE - www.icmje.org). The ICMJE recommends that authorship is based on the following four criteria:

- 1. Substantial contributions to the conception or design of the work; or the acquisition, analysis, or interpretation of data for the work; AND
- 2. Drafting the work or revising it critically for important intellectual content; AND
- 3. Final approval of the version to be published; AND
- Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

In addition to being accountable for the parts of the work he/she has done, an author should be able to identify which co-authors are responsible for specific other parts of the work. Also, authors should have confidence in the integrity of the contributions of their co-authors.

All those designated as authors should meet all four criteria for authorship, and all who meet the four criteria should be identified as authors. Those who do not meet all four criteria should be acknowledged in the title page of the manuscript.

Archives of Basic and Clinical Research requires corresponding authors to submit a signed and scanned version of the Copyright Agreement and Acknowledgement of Authorship Form (available for download at www.abcresearch. net) during the initial submission process to act appropriately on authorship rights and to prevent ghost or honorary authorship. If the editorial board suspects a case of "gift authorship," the submission will be rejected without further review. As part of the submission of the manuscript, the corresponding author should also send a short statement declaring that he/she accepts to undertake all the responsibility for authorship during the submission and review stages of the manuscript.

#### **DECLARATION OF INTEREST**

Archives of Basic and Clinical Research requires and encourages the authors and the individuals involved in the evaluation process of submitted manuscripts to disclose any existing or potential conflicts of interests, including financial, consultant, and institutional, that might lead to potential bias or a conflict of interest. Any financial grants or other support received for a submitted study from individuals or institutions should be disclosed to the Editorial Board. To disclose a potential conflict of interest, the ICMJE Potential Conflict of Interest Disclosure Form should be filled in and submitted by all contributing authors. The journal's Editorial Board resolves cases of a potential conflict of interest of the editors, authors, or reviewers within the scope of COPE and ICMJE guidelines.

The Editorial Board of the journal handles all appeal and complaint cases within the scope of COPE guidelines. In such cases, authors should get in direct contact with the editorial office regarding their appeals and complaints. When needed, an ombudsperson may be assigned to resolve claims that cannot be resolved internally. The Editor in Chief is the final authority in the decision-making process for all appeals and complaints.

#### **COPYRIGHT AND LICENSE**

Archives of Basic and Clinical Research requires each submission to be accompanied by a Copyright Agreement and Acknowledgement of Authorship Form (available for download at www.abcresearch.net). 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). By signing the Copyright Agreement and Acknowledgement of Authorship Form, authors retain the copyright of their work and agree that the article, if accepted for publication by Archives of Basic and Clinical Research will be licensed under a Creative Commons Attribution 4.0 International License (CC BY) which allows third parties to share and adapt the material for any purpose provided that proper credit is given to the authors and the original work.

#### DISCLAIMER

Statements or opinions expressed in the manuscripts published in Archives of Basic and Clinical Research reflect the views of the author(s) and not the opinions of the editors, the editorial board, or the publisher; the editors, the editorial board, and the publisher disclaim any responsibility or liability for such materials. The final responsibility regarding the published content rests with the authors.

#### MANUSCRIPT PREPARATION

The manuscripts should be prepared in accordance with ICMJE-Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly Work in Medical Journals (updated in December 2018 - http://www.icmje.org/icmje-recommendations.pdf). Authors are required to prepare manuscripts in accordance with the CONSORT guidelines for randomized research studies, STROBE guidelines for



observational original research studies, STARD guidelines for studies on diagnostic accuracy, PRISMA guidelines for systematic reviews and meta-analysis, ARRIVE guidelines for experimental animal studies, and TREND guidelines for non-randomized public behavior.

Manuscripts can only be submitted through the journal's online manuscript submission and evaluation system, available at www.abcresearch.net. Manuscripts submitted via any other medium and submissions by anyone other than one of the authors will not be evaluated.

Manuscripts submitted to the journal will first go through a technical evaluation process where the editorial office staff will ensure that the manuscript has been prepared and submitted in accordance with the journal's guidelines. Submissions that do not conform to the journal's guidelines will be returned to the submitting author with technical correction requests.

Authors are required to submit the following:

- Copyright Agreement and Acknowledgement of Authorship Form, and
- ICMJE Potential Conflict of Interest Disclosure Form (should be filled in by all contributing authors) during the initial submission. These forms are available for download at www.abcresearch.net.

#### **Preparation of the Manuscript**

**Title page**: A separate title page should be submitted with all submissions and this page should include:

- The full title of the manuscript as well as a short title (running head) of no more than 50 characters,
- Name(s), affiliations, highest academic degree(s), and ORCID IDs of the author(s),
- Grant information and detailed information on the other sources of support,
- Name, address, telephone (including the mobile phone number), and email address of the corresponding author,
- Acknowledgment of the individuals who contributed to the preparation of the manuscript but who do not fulfill the authorship criteria.

**Abstract**: An abstract should be submitted with all submissions except for Letters to the Editor and Images of Interest. The abstract of Original Articles should be structured with subheadings (Objective, Materials and Methods, Results, and Conclusion). Please check Table 1 below for word count specifications.

**Keywords**: Each submission must be accompanied by a minimum of three to a maximum of six keywords for sub-

ject indexing at the end of the abstract. The keywords should be listed in full without abbreviations. The keywords should be selected from the National Library of Medicine, Medical Subject Headings database (https://www.nlm.nih.gov/mesh/ MBrowser.html).

#### Manuscript Types

**Original Article:** This is the most important type of article since it provides new information based on original research. The main text of original articles should be structured with Introduction, Materials and Methods, Results, and Discussion subheadings. Please check Table 1 for the limitations for Original Articles.

Statistical analysis to support conclusions is usually necessary. Statistical analyses must be conducted in accordance with international statistical reporting standards (Altman DG, Gore SM, Gardner MJ, Pocock SJ. Statistical guidelines for contributors to medical journals. Br Med J 1983: 7; 1489-93). Information on statistical analyses should be provided with a separate subheading under the Materials and Methods section and the statistical software that was used during the process must be specified.

Units should be prepared in accordance with the International System of Units (SI).

**Editorial Comments**: Editorial comments aim to provide a brief critical commentary by reviewers with expertise or with high reputation in the topic of the research article published in the journal. Authors are selected and invited by the journal to provide such comments. Abstract, Keywords, and Tables, Figures, Images, and other media are not included.

**Review Articles**: Reviews prepared by authors who have extensive knowledge on a particular field and whose scientific background has been translated into a high volume of publications with a high citation potential are welcomed. These authors may even be invited by the journal. Reviews should describe, discuss, and evaluate the current level of knowledge of a topic in clinical practice and should guide future studies. The main text of review articles should begin with an Introduction section and finalized with a Conclusion section. The remaining parts can be titled relevantly to the essence of the research. Please check Table 1 for the limitations for Review Articles.

**Case Reports**: There is limited space for case reports in the journal and reports on rare cases or conditions that constitute challenges in diagnosis and treatment, those offering new therapies or revealing knowledge not included in the literature, and interesting and educative case reports are



accepted for publication. The text should include Introduction, Case Presentation, and Discussion subheadings. Please check Table 1 for the limitations for Case Reports.

Letters to the Editor: This type of manuscript discusses important parts, overlooked aspects, or lacking parts of a previously published article. Articles on subjects within the scope of the journal that might attract the readers' attention, particularly educative cases, may also be submitted in the form of a "Letter to the Editor." Readers can also present their comments on the published manuscripts in the form of a "Letter to the Editor." Abstract, Keywords, and Tables, Figures, Images, and other media should not be included. The text should be unstructured. The manuscript that is being commented on must be properly cited within this manuscript.

**Image of Interest**: This type of submissions should present a striking image that may challenge and inform readers and contribute to their education. Submissions can include high quality clinical images, radiology results or surgical images. Please check Table 1 for the limitations for Images of Interest.

#### Tables

Tables should be included in the main document, presented after the reference list, and they should be numbered consecutively in the order they are referred to within the main text. A descriptive title must be placed above the tables. Abbreviations used in the tables should be defined below the tables by footnotes (even if they are defined within the main text). Tables should be created using the "insert table" command of the word processing software and they should be arranged clearly to provide easy reading. Data presented in the tables should not be a repetition of the data presented within the main text but should be supporting the main text.

#### Figures and Figure Legends

Figures, graphics, and photographs should be submitted as separate files (in TIFF or JPEG format) through the submission system. The files should not be embedded in a Word document or the main document. When there are figure subunits, the subunits should not be merged to form a single image. Each subunit should be submitted separately through the submission system. Images should not be labeled (a, b, c, etc.) to indicate figure subunits. Thick and thin arrows, arrowheads, stars, asterisks, and similar marks can be used on the images to support figure legends. Like the rest of the submission, the figures too should be blind. Any information within the images that may indicate an individual or institution should be blinded. The minimum resolution of each submitted figure should be 300 DPI. To prevent delays in the evaluation process, all submitted figures should be clear in resolution and large in size (minimum dimensions:  $100 \times 100$  mm). Figure legends should be listed at the end of the main document.

#### **DIGITAL IMAGE GUIDE**

ABC Research requires that all digital files must prepared according to the criteria below.

**A. Image Preparation Checklist.** To verify that you have fulfilled the requirements for electronic image preparation, please use the following checklist. Each category is elaborated throughout the guide.

- Black-and-white images are saved in grayscale mode (not black and white).
- Photographic images are saved in RGB color mode (not CMYK or indexed color).
- Files are submitted in native TIFF or EPS and are not embedded in another program such as Microsoft Word, PowerPoint, or Excel.
- Charts or illustrations created in Microsoft Office (Word, Power- Point, Excel) are submitted in native format and do not include embedded images.
- Charts created in SPSS, SigmaPlot or ChemDraw are submitted as EPS images.
- All graphics are sized to 100% of their print dimensions so that no scaling is necessary (3.2" wide for 1-column figures and 6.4" wide for 2-column figures).
- Images have been scanned according to our scanning guidelines.
- Files are named using our recommended naming conventions.

Table 1. Limitations for each manuscript type					
Type of manuscript	Word limit	Abstract word limit	<b>Reference limit</b>	Table limit	Figure limit
Original Article	3500	250 (Structured)	35	6	5 or total of 10 images
Review Article	5000	250	50	6	10 or total of 15 images
Case Report	1000	200	15	No tables	4 or total of 8 images
Letter to the Editor	500	No abstract	5	No tables	No media
Image of Interest	500	No abstract	5	No tables	2 or total of 4 images



**B.** Color. When preparing digital images for publication, it is important to scan and save the electronic files in the correct color space.

**1. Photographic images.** Images such as photographs, angiograms, echocardiograms, etc., should be scanned and saved in RGB color mode, even if the images will be printed in grayscale. (The journal compositors will convert these images to their final grayscale or CMYK color modes.) Note: Printing in color is expensive and is not always necessary. Please inform the Journal editors if an image re- quires color for clarity.

**2. Line art.** Black-and-white images, including line drawings, charts, graphs, and ECG and EEG tracings, should be scanned and saved in gray- scale mode (not black-and white or color). (For charts created in SPSS, refer to Section C.2 on creating EPS file formats. For charts and graphs created in Microsoft Office, refer to Section C.3.).

**3. Avoid ICC Profiles.** Images should not contain any ICC profiles.

**C. File Format.** Submit only TIFF or EPS for electronic images. See in- structions for submitting artwork that was created in Microsoft Office programs (Word, PowerPoint, Excel).

**1. TIFF (Tagged Image File Format).** TIFF is recommended for photo- graphic images. When preparing TIFF images, be sure to refer to our scanning guidelines for the proper resolution. Note: The Journal accepts TIFF images that are saved with LZW compression; choosing this option will result in smaller files. In most software programs, a TIFF is made by choosing File/Save as... or Export/TIFF or TIF. For more information, consult the Help menu of your software.

**2. EPS (Encapsulated Postscript).** EPS is recommended for line art, charts, and illustrations that are created using professional drawing pro- grams such as Adobe Illustrator, SPSS, ChemDraw, CorelDraw, Sigma- Plot, etc. When submitting EPS files for publication, be sure to use the following guidelines:

- Convert text to outlines or include/embed fonts. Use only Journal-approved fonts.
- · Flatten any layers.
- Use line weights greater than 0.5 points.
- Include an 8-bit preview/header at a resolution of 72 dpi.
- · Save color images in RGB color mode.

In most drawing programs, an EPS file is made by choosing File/Save as ... or Export/EPS. For more information, consult the Help menu of your software.

**3. Microsoft Office (Word, Excel, PowerPoint).** Charts and illustrations created in any Microsoft Office programs are accepted. Do not submit Microsoft Office files that contain embedded images. When creating charts and illustrations, use the following guidelines:

- Work in black and white, not color.
- Do not use patterns for fill color; use black, white, and shades of gray.
- Avoid 3-dimensional charts.
- Use only Journal-approved fonts.
- · Use line weights greater than 0.5 points.
- Submit the grouped image so that the Journal compositors can access the datasheet.

#### 4. AVOID THE FOLLOWING:

- Submitting graphics that are downloaded or saved from Web pages.
- Low resolution images, regardless of how the image looks on screen.
- Submitting GIF files. GIF files are never appropriate for publication.
- Scanning preprinted photographs (already published halftones). The printing process introduces distortion into the photograph that will transfer to the scan.
- Generating TIFFs within the Microsoft Office Document.
- Scanning Program. This proprietary program changes the image formatting in such a way that the image cannot be opened in our image evaluation program.

#### D. Resolution and Scanning

**1.** Images must be scanned at the proper resolution to ensure print quality. Use the following guidelines to select the correct scanning resolution. Images that are scanned at lower resolutions will be rejected.

- Photographic images without text or arrows: 300 dpi/ppi
- · Photographic images with text or arrows: 600 dpi/ppi
- · Black-and-white line art: 1200 dpi/ppi
- a. Scanning photographic images without text or arrows
- Scan in RGB mode.
- · Scan at 300 dpi/ppi.
- Select a target width of 7.5 cm for 1-column figures and 15.5 cm for 2 Column figures.
- · Crop images tightly; do not scan the margins.
- Use the Arch Basic Clin Res naming convention; save as a TIFF and apply LZW compression.
- b. Scanning photographic images with text or arrows
- Scan in RGB mode.
- Scan at 600 dpi/ppi (even if text or labels will be added after the image is scanned).



- Select a target width of 7.5 cm for 1-column figures or 15.5 cm for 2-column figures.
- Crop images tightly; do not scan the margins.
- If you need to ass labels, use an approved font. If the labels are pixilated, you may be asked for an unlabeled version.
- Use the Arch Basic Clin Res naming convention; save as a TIFF and apply LZW compression.
- c. Scanning black-and-white line art
- Scan in grayscale mode.
- Scan at 1200 dpi/ppi.
- Select a target width of 7.5 cm" for 1-column figures and 15.5 cm" for 2-column figures. Images should be tightly cropped; do not scan the margins.
- If you need to add labels, use an approved font. If the labels are pixilated, you may be asked for an unlabeled version.
- Use the Arch Basic Clin Res naming convention; save as a TIFF and apply LZW compression.

2. Scanning originals that are smaller than the target width

- Choose the correct color space for the photographic image or line art.
- Determine the correct resolution. If an image has a width smaller than the target width, it is necessary to compensate by increasing the scanning resolution. To increase the resolution, divide the actual width by the target width (either 7.5 cm or 15.5 cm). Multiply the answer by the target dpi and round up to the nearest hundred. The result will determine the scanning dpi. Use the following example: If an image is 2.4" wide and needs to be 300 dpi/ppi at 3" wide, then 3 divided by 2.4 = 1.251.25, 1.25 times 300 = 375, and round up to 400. Thus, if the 2.4" image is scanned at 400 dpi/ppi, the Journal can properly convert the image to be 3" wide at 300 dpi.
- Use the Arch Basic Clin Res naming convention and save.

#### E. Naming Files

**1. Naming convention.** Please use the following naming convention for electronic images:

Author last name + figure number.file format For example: Okur1.eps or Okur1A.tif

**2.** Revising images. Any time that you revise an image and resubmit it to the Journal, you need to add a version number to ensure that the image will be re-evaluated.

For example: Smith1.eps would be saved the next time as Smith1\_v2.eps

Note: Always allow the software program to add the file format exten- sion. Files that do not contain an extension will be rejected. To change a file format extension, you must use a software program; renaming a file extension does not properly convert a file. For example, simply renam- ing the JPG extension as TIFF does not convert the file to a TIFF image. Opening a JPG file in Photoshop (or in a comparable software program) and saving as a TIFF does properly convert the file.

Note: You can safely change the author last name + figure number (i.e., an- ything before the "dot-file format" portion) by using the Rename command.

**F. Approved Fonts.** Please use one of the following fonts for text in la- bels, graphs, and charts:

- Adobe Garamond
- Arial
- Helvetica
- Symbol
- Times New Roman
- Univers LT

#### G. Labels

**1.** Do not place figure labels (A, B, C, etc.) on the digital images; include the letter in the figure file name (for example, Smith2B.tif).

**2.** If images are part of an A, B, C series, scan and submit each image separately.

**H.** How to Submit Images. Please submit your digital files via online manuscript system of the journal during the initial submission.

All acronyms and abbreviations used in the manuscript should be defined at first use, both in the abstract and in the main text. The abbreviation should be provided in parentheses following the definition.

When a drug, product, hardware, or software program is mentioned within the main text, product information, including the name of the product, the producer of the product, and city and the country of the company (including the state if in USA), should be provided in parentheses in the following format: "Discovery St PET/CT scanner (General Electric, Milwaukee, WI, USA)"

All references, tables, and figures should be referred to within the main text, and they should be numbered consecutively in the order they are referred to within the main text.

Limitations, drawbacks, and the shortcomings of original articles should be mentioned in the Discussion section before the conclusion paragraph.



#### References

Both in-text citations and the references must be prepared according to the Vancouver style.

While citing publications, preference should be given to the latest, most up-to-date publications. Authors are responsible for the accuracy of references If an ahead-of-print publication is cited, the DOI number should be provided. Journal titles should be abbreviated in accordance with the journal abbreviations in Index Medicus/ MEDLINE/PubMed. When there are six or fewer authors, all authors should be listed. If there are seven or more authors, the first six authors should be listed followed by "et al." In the main text of the manuscript, references should be cited using Arabic numbers in parentheses. The reference styles for different types of publications are presented in the following examples.

**Journal Article**: Erkul E, Cekin İE, Kurt O, Gungor A, Babayigit MA. Evaluation of patients with unilateral endoscopic sinus surgery. Turk Arch Otorhinolaryngol 2012; 50: 41-5.

**Book Section**: Suh KN, Keystone JS. Malaria and babesiosis. Gorbach SL, Barlett JG, Blacklow NR, editors. Infectious Diseases. Philadelphia: Lippincott Williams; 2004.p.2290-308.

**Books with a Single Author**: Sweetman SC. Martindale the Complete Drug Reference. 34th ed. London: Pharmaceutical Press; 2005.

**Editor(s) as Author**: Huizing EH, de Groot JAM, editors. Functional reconstructive nasal surgery. Stuttgart-New York: Thieme; 2003.

**Conference Proceedings**: Bengisson S. Sothemin BG. Enforcement of data protection, privacy and security in medical informatics. In: Lun KC, Degoulet P, Piemme TE, Rienhoff O, editors. MEDINFO 92. Proceedings of the 7th World Congress on Medical Informatics; 1992 Sept 6-10; Geneva, Switzerland. Amsterdam: North-Holland; 1992. pp.1561-5.

Scientific or Technical Report: Cusick M, Chew EY, Hoogwerf B, Agrón E, Wu L, Lindley A, et al. Early Treatment Diabetic Retinopathy Study Research Group. Risk factors for renal replacement therapy in the Early Treatment Diabetic Retinopathy Study (ETDRS), Early Treatment Diabetic Retinopathy Study Kidney Int: 2004. Report No: 26.

**Thesis**: Yılmaz B. Ankara Üniversitesindeki öğrencilerin beslenme durumları, fiziksel aktiviteleri ve beden kitle indeksleri kan lipidleri arasındaki ilişkiler. H.Ü. Sağlık Bilimleri Enstitüsü, Doktora Tezi. 2007. **Manuscripts Accepted for Publication, Not Published Yet**: Slots J. The microflora of black stain on human primary teeth. Scand J Dent Res. 1974.

**Epub Ahead of Print Articles**: Cai L, Yeh BM, Westphalen AC, Roberts JP, Wang ZJ. Adult living donor liver imaging. Diagn Interv Radiol. 2016 Feb 24. doi: 10.5152/dir.2016.15323. [Epub ahead of print].

**Manuscripts Published in Electronic Format**: Morse SS. Factors in the emergence of infectious diseases. Emerg Infect Dis (serial online) 1995 Jan-Mar (cited 1996 June 5): 1(1): (24 screens). Available from: URL: http://www.cdc.gov/ ncidodlElD/cid.htm.

#### REVISIONS

When submitting a revised version of a paper, the author must submit a detailed "Response to the reviewers" that states point by point how each issue raised by the reviewers has been covered and where it can be found (each reviewer's comment, followed by the author's reply and line numbers where the changes have been made) as well as an annotated copy of the main document. Revised manuscripts must be submitted within 30 days from the date of the decision letter. If the revised version of the manuscript is not submitted within the allocated time, the revision option may be canceled. If the submitting author(s) believe that additional time is required, they should request this extension before the initial 30-day period is over.

Accepted manuscripts are copy-edited for grammar, punctuation, and format. Once the publication process of a manuscript is completed, it is published online on the journal's webpage as an ahead-of-print publication before it is included in its scheduled issue. A PDF proof of the accepted manuscript is sent to the corresponding author and their publication approval is requested within 2 days of their receipt of the proof.

Editor in Chief: Prof. Mecit Kantarcı

Address: Department of Radiology, Erzincan Binali Yıldırım University School of Medicine, Erzincan, Turkey E-mail: akkanrad@hotmail.com

#### Publisher: AVES

Address: Büyükdere Cad., 105/9 34394 Mecidiyeköy, Şişli, İstanbul, Turkey Phone: +90 212 217 17 00 Fax: +90 212 217 22 92 E-mail: info@avesyayincilik.com Web page: www.avesyayincilik.com



#### **Original Articles**

- 1 **The Effect of Usnea Longissima Extract on Lung Cancer Cell Line (A549)** Durdu Altuner, Saliha Ekşi, Halis Süleyman, Emine Akyüz Turumtay; Erzincan, Rize, Turkey
- 6 The Effect of Trochanteric Epiphysiodesis in Patients Who Underwent Tönnis Triple Innominate Osteotomy for Legg-Calve-Perthes Disease Volkan Gür, Furkan Yapıcı, Kutalmış Albayrak, Timur Yıldırım, Ayşegül Bursalı; Erzincan, Van, İstanbul, Turkey
- 12 Immunohistochemical and Electron Microscopic Changes in the Liver of Rats Fed High-Fructose and High-Fat Diet Tuba Demirci, Ozlem Ozgul Abuc, Zerrin Orbak, Nurinnisa Ozturk; Erzurum, Erzincan, Turkey
- 21 Evaluation of Right Ventricular Functions and Pulmonary Artery Distensibility in Patients with Pulmonary Hypertension Using Cardiac Magnetic Resonance Imaging Elif Gozgec, Mecit Kantarci, Onur Taydas, Hayri Ogul, Enbiya Aksakal; Erzurum, Sakarya, İstanbul, Turkey

#### Review

27 Management and Treatment of Newborns at Risk of Hypoglycemia Levent Korkmaz, Cumali Alan; Erzincan, İstanbul, Turkey

#### **Case Reports**

- **34** A Case of Vogt Koyanagi Harada Syndrome Treated as a Pseudotumor Cerebri Özlem Budakoğlu, Kübra Özdemir, Nilüfer Berker; Ankara, Turkey
- 38 A Case of Familial Wegener Granulomatosis Presented with Life-Threatening Diffuse Alveolar Hemorrhage and Treated Successfully Mustafa Tosun, Turgut Teke; Erzincan, Konya, Turkey
- **43** A Case of Severe Rebound after Switching from Fingolimod to Ocrelizumab Alevtina Ersoy, Ceyda Tanoğlu, Hasan Yaşar, Canan Duman İlki; Erzincan, Turkey

#### 47 Reviewer List