



The Journal of Breast Health

Biomarkers in Breast Cancer

Münire Kayahan et al.; İstanbul, Turkey

Triple Negative Breast Cancer

Yeşim Eralp et al.; Elazığ, İstanbul, Ankara, İzmir, Turkey

Quality of Life in Breast Cancer Patients

İbrahim Yıldız et al.; İzmir, Turkey

Surgery and Quality of Life in Breast Cancer

Mustafa Akça et al.; Mersin, Turkey

Evaluation of Women in Terms of Risk of Breast Cancer

Servet Aker et al.; Samsun, Turkey

Elastography in Breast Lesions

Aysun Okar Atabey et al.; İstanbul, Turkey

Editor-in Chief

Vahit ÖZMEN, Turkey

International Editor

Atilla SORAN, USA



The Journal of Breast Health

The Journal of Breast Health is the official journal of the TURKISH FEDERATION OF BREAST DISEASES ASSOCIATIONS.



MHDF

OWNER AND
RESPONSIBLE MANAGER
Dr. Vahit Özmen
On Behalf of the TURKISH FEDERATION
OF BREAST DISEASES ASSOCIATIONS.

Contact

Department of General Surgery, istanbul University istanbul Medical Faculty, C Service Çapa / istanbul Phone&Fax: + 90 212 534 02 10

Editor

Vahit Özmen

İstanbul University İstanbul Medical Faculty, İstanbul, Turkey

International Editor

Atilla Soran

University of Pittsburgh, Magee-Womens Hospital, Pittsburgh, PA, USA

Associate Editors

Nilüfer Güler

Hacettepe Univ<mark>ersity Faculty of Me</mark>dicine, Ankara, Turkey

Ferah Yıldız

Hacettepe University Faculty of Medicine, Ankara, Turkey

Gürsel Soybir

Namık Kem<mark>al University Faculty of</mark> Medicine, Tekirdağ, Turkey

Hasan Besim

Yakın Doğu University Faculty of Medicine, Nicosia, TRNC

Assistant Editors

Ayfer Kamalı Polat

Ondokuz Mayıs University Faculty of Medicine, Samsun, Turkey

Bülent Ünal

İnönü University Faculty of Medicine, Malatya, Turkey

Biostatistics Editor

Birol Topçu

Namık K<mark>emal Unive</mark>rsity Faculty of Medicine, Tekirdağ, Turkey

Medical English Advisor

Didem Öncel Yakar

The Journal of Breast Health is indexed in Index Copernicus, EBSCO, TÜBİTAK/ULAKBİM, Türk Medline and Turkish Citation Index databases.



Publisher **ibrahim KARA**

Publication Director Ali SAHİN

Deputy Publication Directors Gökhan ÇİMEN Ayşegül BOYALI

Publication Coordinators Merve AKDEMİR SAĞLIK Leda BAŞGÜL Esra GÖRGÜLÜ Ebru MUTLU Finance Coordinator Veysel KARA

Project Assistants Hakan ERTEN Zeynep YAKIŞIRER Betül ÇİMEN

Graphics Department Ünal ÖZER Neslihan YAMAN Merve KURT Contact

Address: Büyükdere Cad. No: 105/9 34394

Mecidiyeköy, Şişli, İstanbul, Turkey Phone :+90 212 217 17 00

Fax :+90 212 217 22 92 E-mail :info@avesyayincilik.com

Yayın Türü : Yerel Süreli Basım Tarihi: Ekim 2014 Basım Yeri: ADA Ofset Matbaacılık Tic. Ltd. Şti., Litros Yolu 2. Matbaacılar S. E Blok No: (ZE2) 1. Kat Topkapı, İstanbul Telefon : +90 212 567 12 42

The Journal of Breast Health

National Editorial Board

Bülent Alıç

Ankara University Faculty of Medicine, Ankara, Turkey

Varol Çelik

İstanbul University Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Serdar Özbaş

Ankara Güven Hospital, Ankara, Turkey

Füsun Taşkın

Adnan Menderes University Faculty of Medicine, Aydın, Turkey

Neslihan Cabioğlu

istanbul University istanbul Faculty of Medicine, istanbul, Turkey

Yeşim Eralp

istanbul University istanbul Faculty of Medicine, istanbul, Turkey

Zerrin Calay

istanbul University Cerrahpaşa Faculty of Medicine, istanbul, Turkey

Ertuğrul Gazioğlu

İstanbul University Cerrahpaşa Faculty of Medicine, İstanbul, Turkey

Kemal Atahan

İzmir Katip Çelebi University Atatürk Education and Research Hospital, İzmir, Turkey

Ercüment Tarcan

İzmir Katip Çelebi University Atatürk Education and Research Hospital, İzmir, Turkey

International Editorial Board

(Co-Editor for International Review Board: Atilla Soran MD, Pitssburgh, USA)

Gretchen Ahrendt

University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

Stanley N C Anyanwu

Nnamdi Azikiwe University, Teaching Hospital, Nnewi, Nigeria

Tayanç Öncel

Mamer Surgical Center, Bursa, Turkey

Türkkan Evrensel

Uludağ University, Faculty of Medicine, Bursa, Turkey

Berna Öksüzoğlu

Dr. Abdur<mark>rah</mark>man Yurtaslan Ankara Oncology Education and Research Hospital, Ankara, Turkey

Zafer Utkan

Kocaeli University Faculty of Medicine, Kocaeli, Turkey

Sadullah Girgin

Dicle University, Faculty of Medicine, Diyarbakır, Turkey

Durmuş Etiz

Osmangazi University Faculty of Medicine, Eskişehir, Turkey

Alper Akcan

Erciyes University Faculty of Medicine, Kayseri, Turkey

Gürhan Sakman

Çukurova University Faculty of Medicine, Balcalı Hospital, Adana, Turkey

Şahande Elagöz

Sivas Cumhuriyet University Faculty of Medicine, Sivas, Turkey

Yamaç Erhan

Celal Bayar University Faculty of Medicine, Manisa, Turkey

Banu Arun

The University of Texas MD Anderson Cancer Center, Houston, TX, USA

Sushil Beriwal

University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

The Journal of Breast Health

Funda Meriç Bernstam

The University of Texas MD Anderson Cancer Center, Houston, TX, USA

Jose L.B. Bevilacqua

University of São Paulo Faculty of Medicine, São Paulo, Brazil

Marguerite Bonaventura

University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

Patrick Borgen

Maimonides Medical Center, New York, NY, USA

Mihail Coculescu

University of Medicine and Pharmacy Carol Davila, Bucharest, Romania

Ivan Drinkovic

Hrvatsko Senolosko Drustvo HLZ-a KB Merkur, Zagreb, Croatia

Jeffrev Falk

St. John Hospital and Medical Center, Detroit, MI, USA

Kevin S. Hughes

Harvard Medical School, Boston, MA, USA

Lidija Lincender

Emeritus Professor, Sarajevo, Bosnia-Herzegovina

Barry Lembersky

University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

Ronald Johnson

University of Pittsburgh, Magee-Womens Hospital, Pittsburgh, PA, USA

Kandace McGuire

University of Pittsburgh, Magee-Womens Hospital, Pittsburgh, PA, USA

Lydia Mouzaka

University of Athens School of Medicine, Athens, Greece

Lisa A. Newman

University of Michigan, Comprehensive Cancer Center, Michigan, USA

Masakuna Noguchi

Kanazawa University School of Medicine, Kanazawa, Japan

Se-Jeong Oh

The Catholic University of Korea College of Medicine, Seoul, Korea

Tadeusz Pienkowski

Medical University of Gdansk, Gdansk, Poland

Antonio Pinero

Virgen de la Arrixaca University Hospital, Murcia, Spain

Dimitrios H. Roukos

Ioannina University School of Medicine, Ioannina, Greece

Miguel Oller Sanz

Clínica Abreu, Santo Domingo, Dominican Republic

Barbara Lynn Smith

Massachusetts General Hospital, Boston, MA, USA

Jules Sumkin

University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

Ayşegül Şahin

The University of Texas MD Anderson Cancer Center, Houston, TX, USA

Jorge A. Toro

University of Pittsburgh, Magee-Womens Hospital, Pittsburgh, PA, USA

Vincent Vinh-Hung

University H<mark>ospitals</mark> of Geneva, University of Geneva, Geneva, Switzerland

M. Firdos Ziauddin

University of Pittsburg Medical Center, Pittsburgh, PA, USA

The Journal of Breast Health

Instructions to Authors

The Journal of Breast Health accepts research articles, case reports, reviews and technical reports on the condition that they have not been published or submitted for publication elsewhere. All articles undergo evaluation by the editors for style and by at least two independent referees scientifically. The publication language is both in English and in Turkish. Submission of scientific papers can be both either in English or Turkish. The translation of accepted Turkish manuscripts will be provided by our journal.

PREPARATION OF MANUSCRIPTS

All articles should include the following parts:

The title should express the content of the article clearly.

Names and affiliations of the authors should not be stated in the main document. This information will be added in the submission process. All authors are expected to have contributed to the article. All authors will be identified by their initials and last names. At least one author should take the responsibility for all parts of the manuscript that influence the main conclusion. The first author will be held .responsible for conclusions. unless otherwise stated. All authors should sign a COPYRIGHT FORM and send it to the postal address of the journal for acceptance of the manuscript.

Abstract: All manuscripts in Turkish or English should include a Turkish and English abstract containing no less than 100 and no more than 250 words. The English summary should also include the title of the article in English. Summaries must include the aim, basic methods and applications, results, statistical significance and conclusions. Please write the research abstracts in the systematic format presented below. Case report, review and technical article abstracts can be submitted in plain format.

Keywords (2 keywords in both Turkish and English, compatible with Türkiye Bilim Terimleri - Medical Subject Headings, http://www.bilimterimleri.com)

The text of research articles should be divided into Introduction, Materials and Methods, Results, Discussion and Conclusions and References. Case reports, reviews and technical reports can be divided into parts as appropriate.

Introduction: The aim of the article should be clearly stated and briefly justified.

Materials and Methods: Please state the selection criteria of the study group and objects clearly. Methods used in the research should include reproducible detailed definitions. References must be given for specific and known methods and the reason for the selection of a specific method and its limitations must be explained. Generic names, doses and administration routes for all drugs and chemical agents must be indicated. The statistical methods used should be clearly stated and should be reproducible by others. Sampling methods and treatment complications should be defined; numbers as well as percentages should be given and the software used for statistical analysis should be included. At the time of submission, you are expected to present the ethical committee approval for experimental research in humans. Please do not use items displaying identities such as names, initials, and protocol numbers of patients and hospital names, particularly in the legends of photographs.

Results: The results of the research must be presented in the text, in tables or figures in a reasonable sequential manner. Results presented in tables and figures should not be repeated in the text; only the major findings can be underscored.

Discussion and Conclusions: Only novel and significant conclusions drawn from the data obtained in the study should be discussed. Conclusions must be associated with the aims. Please avoid stating conclusions unsupported by the study data or presenting imprecise results.

References: References cited in the text, tables and figures must be identified with arabic numbers placed in parenthesis (1,2,3..). Please number references in order of appearance. References should include the names of all authors; abbreviations such as ."et.al." or "ve ark" should not be used. The Index Medicus abbreviation of the journal title must be used. Accepted but unpublished references can be cited

by adding the expression of (in print) at the end of the reference. Online resources are welcome in case they are scientific manuscripts. Accuracy of references is the responsibility of the authors.

References included in Pubmed indexes should be identified by adding the Pubmed number at the end of the reference so that the abstract of the relevant source can be accessible. PubMed internet search will give this number. Entering the names of the first three authors is usually sufficient to search for a reference; if you cannot achieve a result with such a search, you may enter the full title of the reference. You must add the Pubmed number indicated as PMID=xxxxxxxx under the abstract, in parenthesis at the end of the reference.

Samples

Article

Little FB, Koufman JA, Kohut RI, Marshall RB. Effect of gastric acid on the pathogenesis of subglottic stenosis. Ann Otol Rhinol Laryngol 1985; 94:516-519. (PMID: 4051410)

Chapter of a Book

Shires GT, Thal ER, Jones RC, Shires GT III, Perry MO. Trauma. In: Schwartz SI, ed. Principles of Surgery, 6th ed. New York: McGraw-Hill, 1994:175-224.

Bool

Kellman RM, Marentette LJ. Atlas of Craniomaxillofacial Fixation. New York: Raven Press, 1995.

Internet Resources

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: http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2626828/pdf/8903148.pdf.

Tables: Tables should be identified with Arabic numbers (1,2,3,.) in the order mentioned in the text. Please include a legend for each table. Tables must also include information indicating statistical significance such as standard deviation, standard error of means and p-value. The tables should be mentioned in the text.

Photographs, Illustrations and Graphics: Photographs, illustrations and graphics to be submitted electronically should be no more than 800 pixels wide, 600 pixels long, at least 200 pixels wide and 150 pixels long. Photographs should be sent in the highest quality JPEG format with a minimum compression factor, and illustrations with a fixed color tint should be sent in the GIF format. Editors may decide to minimize photographs and illustrations or change their resolution as required by the page format.

Video clips: Video images should be in the MPEG format, 240 pixels wide and 172 pixels high.

Measures: All measures must be expressed in metric units.

Abbreviations and Symbols: Please use only the accepted standard abbreviations and avoid using abbreviations in the title and abstract. Abbreviations should be defined in the text where they are first mentioned.

Acknowledgements: Authors may write a short note of acknowledgment to persons or institutions, which have contributed to the preparation of the manuscript, made methodological contributions, supplied materials or given financial support.

Ethics: Manuscripts reporting the results of experimental studies on human subjects must include a statement that informed consent was obtained after the nature of the procedure(s) had been fully explained. Manuscripts describing investigations in animals must clearly indicate the steps taken to eliminate pain and suffering. Authors are advised to comply with internationally accepted guidelines, stating such compliance in their manuscripts and to include the approval by the local institutional human research committee.

The Journal of Breast Health

Contents

	Concents
	LETTER TO THE EDITOR
189	Partner and Localizer of BRCA-2 (PALB-2) Mutation Analysis Is Rapidly Being Adopted into Clinical Practice Serap Erel, Darcy L. Thull, Atilla Soran
	REVIEWS
190	Intraoperative Period and Breast Cancer: Review Arzu Akan, Şerife Şimsek
197	The Efficiency of Diffusion Weighted MRI and MR Spectroscopy On Breast MR Imaging Canan Altay, Pinar Balci
	ORIGINAL ARTICLES
201	Cinical Significance of Androgen Receptor, CK-5/6, KI-67 and Molecular Subtypes in Breast Cancer Münire Kayahan, Ufuk Oğuz İdiz, Zuhal Gucin, Fazilet Erözgen, Naim Memmi, Mahmut Müslümanoğlu
209	The Outcome of Patients with Triple Negative Breast Cancer: The Turkish Oncology Group Experience Yeşim Eralp, Leyla Kılıç, Gül Alço, Gül Başaran, Mutlu Doğan, Dilek Dinçol, Senem Demirci, Fikri İçli, Handan Onur, Pınar Saip, Ayfer Haydaroğlu
216	Assessment of the Quality of Life in Turkish Breast Cancer Patients İbrahim Yıldız, Umut Varol, Ahmet Alacacıoğlu
222	Impact of Surgery Type on Quality of Life in Breast Cancer Patients Mustafa Akça, Alper Ata, Erdinç Nayır, Süleyman Erdoğdu, Ali Arıcan
229	Evaluation of Women over 20 Years Living in the Province of Samsun in Terms of Risk of Breast Cancer Servet Aker, Hatice Öz, Ebru Kaynar Tunçel
234	Value of Strain Elastography Ultrasonografhic Elastography in Differentiation of Breast Masses and Histopathologic Correlation Aysun Okar Atabey, Erkin Arıbal, Rabia Ergelen, Handan Kaya
	CASE REPORTS
239	In Situ Ductal Carcinoma Arising in Benign Phyllo <mark>des Tumor in 19-Ye</mark> ar Old Patient: A Case Report Muhammet Kadri Çolakoğlu, Erdinç Yenidoğan, Gökhan Giray Akg <mark>ül,</mark> Sultan Çiğdem Irkkan, Yılmaz Özdemir, Mehmet Ali Gülçelik, Mithat Çamlıbel
242	A Rare Entity of Breast Cancer: Primary Neuroendocrin Carcinoma Mehmet Abdussamet Bozkurt, Ali Kocataş, Yasemin Özkan, Mustafa Uygar Kalaycı, Halil Alış
245	Salivary Gland Like Breast Carcinoma/Adenoid Cystic Carcinoma: Case Report Turan Acar, Murat Kemal Atahan, Salih Can Çelik, Kürşat Yemez, Gülden Ballı Ülker, Seyran Yiğit, Ercüment Tarcan
248	Carcinosarcoma of the Breast: Case Report Burhan Mayir, Mehmet Tahir Oruç, Cemal Özben Ensari, Tuna Bilecik, Alkan Saka <mark>r, Zühre</mark> Aytaç, Erdem Can Yardımcı
250	SUBJECT INDEX

252 AUTHOR INDEX

254 REFEREE LIST