

# EJR European Journal of Rheumatology

Volume 2 • Issue 4 • December 2015

Page  
135

## Immunoglobulin A anti- $\beta_2$ glycoprotein I

- Differential diagnosis of elevated acute phase reactants
- IgA anti- $\beta_2$  GPI antibodies
- Chronic bone disease in children
- Rumination in fibromyalgia
- Hepatitis B virus infection in inflammatory arthritis
- Relapsing polychondritis
- Dermato-neuro syndrome
- Therapy resistant idiopathic scleredema
- Sjögren's syndrome, silicone, breast implantation
- Spontaneous epidural hematoma in Behçet disease
- Influenza vaccine predispose to rhabdomyolysis



## Editor in Chief

### Servet Akar

Department of Rheumatology, Izmir Katip Çelebi University Faculty of Medicine, Izmir, Turkey

## Associate Editors

### Sibel Zehra Aydın

Division of Rheumatology, Ottawa University Faculty of Medicine, Ottawa, Canada

### Juan Jesus Gomez Reino Carnata

Division of Rheumatology, Department of Medicine, Hospital Clinico Universitario, Choupana, Santiago de Compostela, Spain

### Conchi Castillo Gallego

Department of Rheumatology, Hospital Universitario La Paz, Madrid, Spain

### Tamer A. Gheita

Department of Rheumatology, Cairo University Faculty of Medicine, Giza, Egypt

### Bünyamin Kısacık

Division of Rheumatology, Department of Internal Medicine, Gaziantep University Faculty of Medicine, Gaziantep, Turkey

### Ahmet Mesut Onat

Division of Rheumatology, Department of Internal Medicine, Gaziantep University Faculty of Medicine, Gaziantep, Turkey

### Ömer Nuri Pamuk

Department of Rheumatology, Trakya University Faculty of Medicine, Edirne, Turkey

### Antonio Gonzales Martinez Pedroya

Division of Rheumatology, Department of Medicine, Hospital Clinico Universitario, Choupana, Santiago de Compostela, Spain

### Mehmet Sayarlıoğlu

Department of Rheumatology, Ondokuz Mayıs University Faculty of Medicine, Samsun, Turkey

### Eugen Feist

Department of Rheumatology and Clinical Immunology, Charité Universitätsmedizin Berlin, Berlin, Germany

## Statistical Editor

### İsmail Sarı

Department of Rheumatology, Dokuz Eylül University Faculty of Medicine, Izmir, Turkey

## Editorial Board

### Nurullah Akkoc

Division of Rheumatology and Immunology, Department of Internal Medicine, Dokuz Eylül University Faculty of Medicine, Izmir, Turkey

### Dimitrios Boumpas

Department of Internal Medicine and Rheumatology, Clinical Immunology and Allergy, University of Crete, Crete, Greece

### David D Cruz

Louise Coote Lupus Unit, St Thomas' Hospital, London, UK

### Haner Direskeneli

Department of Rheumatology, Pendik Training and Research Hospital, Marmara University, Istanbul, Turkey

### Doruk Erkan

Department of Rheumatology, Hospital for Special Surgery, New York, NY, USA

### Cem Gabay

Division of Rheumatology, Geneva University Hospitals, Geneva, Italy

### Francesco Del Galdo

Leeds Institute of Rheumatic and Musculoskeletal Medicine, Leeds University, Leeds, UK

### Dennis Mc Gonagle

Leeds Institute of Rheumatic and Musculoskeletal Medicine, Leeds University, Leeds, UK

### Allan Gibofsky

Clinic of Rheumatology, Hospital for Special Surgery, New York, NY, USA

### Vedat Hamuryudan

Division of Rheumatology, Department of Internal Medicine, Istanbul University Faculty of Medicine, Istanbul, Turkey

### Murat İnanç

Division of Rheumatology, Department of Internal Medicine, Istanbul University Faculty of Medicine, Istanbul, Turkey

### Hilal Maradit Kremers

Department of Health Sciences Research, College of Medicine, Mayo Clinic, Minnesota, USA

### Peter Nash

Physician And Rheumatologist, University Of Queensland Faculty of Medicine, Brisbane, QLD, Australia

### Seza Özen

Division of Pediatric Rheumatology, Department of Child Health and Diseases, Hacettepe University Faculty of Medicine, Ankara, Turkey

### Claus Rasmussen

Department of Rheumatology, Sygehus Vendsyssel, Hjørring, Denmark

### Carlo Salvarani

Servizio di Reumatologia, Azienda Ospedaliera Arcispedale S. Maria Nuova, Emilia, Italy

### Amr Sawalha

Division of Rheumatology, Department of Medicine, University of Michigan, Ann Arbor, MI, USA

### Marco Mattuci-Cerinic

Department of Experimental and Clinical Medicine, Division of Rheumatology AOUC, University of Florence, Florence, Italy

### Nancy Ann Shadick

Division of Rheumatology, Brigham and Women's Hospital, Harvard Medical School, Boston, USA

### Sekib Sokolovic

Clinic for Heart Diseases and Rheumatism, Clinical Center of University of Sarajevo, Sarajevo, Bosnia and Herzegovina

### Konstantinos Tselios

Centre for Prognosis Studies in the Rheumatic Diseases, Toronto Western Hospital, University Health Network, Toronto, ON, Canada

### Georges C. Tsokos

Division of Rheumatology Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, USA

### Alvin Wells

Board-certified Rheumatologist Director, Rheumatology and Immunotherapy Center, Franklin, WI, USA

### Hasan Yazıcı

Department of Rheumatology, Istanbul University Faculty of Medicine, Istanbul, Turkey

### Yusuf Yazıcı

NYU Hospital for Joint Diseases, New York, USA

## Owner and Responsible Manager

### On behalf of Medical Research and Education Association

### Ahmet Mesut Onat

Division of Rheumatology, Department of Internal Medicine, Gaziantep University Faculty of Medicine, Gaziantep, Turkey



## Publisher

Ibrahim KARA

## Publication Director

Ali ŞAHİN

## Deputy Publication Director

Gökhan ÇİMEN

Dişad GÜNEY

## Publication Coordinators

Esra GÖRGÜLLÜ

Ebru MUTLU

Betül ÇİMEN

Nihan GÜLTAN

Zeynep YAKIŞIRER

Finance and Administration

Veysel KARA

Project Coordinators

Hakan ERTEN

Project Assistants

Büşra KALKAN

Duygunur CAN

Graphics Department

Ünal ÖZER

Neslihan YAMAN

Kübra ÇOLAK

## Contact

Address : Büyükdere Cad. No: 105/9

34394 Mecidiyeköy, Şişli, İstanbul

Phone : +90 212 217 17 00

Fax : +90 212 217 22 92

E-mail : info@avesyayincilik.com

*Tip Araştırmaları ve Eğitimi Demeği adına sahibi / Owned by on behalf of the Medical Research and Education Association: Ahmet Mesut Onat • Yayın türü / Publication Type: Yerel süreli / Bimonthly periodical • Basım yeri / Printed at: ADA Ofset, 2. Matbaacılar Sit. E Blok No:(ZE2) 1. Kat Topkapı, İstanbul, Turkey (+90-212-5671242) • Basım tarihi / Printing Date: Aralık 2015 / December, 2015 • Tip Araştırmaları ve Eğitimi Demeği tarafından yayınlanmaktadır / Published by Medical Research and Education Association, Mühacitler Mahallesi, No:16/18, Güneş İş Merkezi, Kat:3 Gaziantep, Turkey*

## AIMS AND SCOPE

European Journal of Rheumatology (Eur J Rheumatol) is an international, open access peer reviewed journal committed to promoting the highest standards of scientific exchange and education. The journal is published quarterly on March, June, September and December.

The aim of the European Journal of Rheumatology is to cover various aspects of rheumatology for its readers, encompassing the spectrum of diseases with arthritis, musculoskeletal conditions, autoinflammatory diseases, connective tissue disorders, osteoporosis, translational research, the latest therapies and treatment programs. European Journal of Rheumatology publishes original articles, invited reviews, case reports, letters to the editor and images in rheumatology. The publication language of the journal is English.

The journal's target audience includes academicians, practitioners, specialists and students from all disciplines of rheumatology.

European Journal of Rheumatology adheres to the principles outlined by the guidelines of ICMJE, WAME, EASE and COPE.

European Journal of Rheumatology is currently indexed by CINAHL and EBSCO.

All published content of the European Journal of Rheumatology is available online at [www.eurjrheumatol.org](http://www.eurjrheumatol.org), free of charge.

Statements or opinions expressed in the manuscripts published in the European Journal of Rheumatology reflect the views of the author(s) and not the opinions of the editors, the editorial board and the publisher; the editors, the editorial board and the publisher disclaim any responsibility or liability for such materials.

The journal is printed on an acid-free paper.

Permission requests for reproduction of materials published, reprint requests and requests concerning advertising should be addressed to the publisher;

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](mailto:info@avesyayincilik.com)  
[www.avesyayincilik.com](http://www.avesyayincilik.com)

## INSTRUCTIONS TO AUTHORS

European Journal of Rheumatology (Eur J Rheumatol) is an international, open access peer reviewed journal committed to promoting the highest standards of scientific exchange and education. The journal is published quarterly on March, June, September and December. The journal covers various aspects of rheumatology for its readers, encompassing the spectrum of diseases with arthritis, musculoskeletal conditions, autoinflammatory diseases, connective tissue disorders, osteoporosis, translational research, the latest therapies and treatment programs. European Journal of Rheumatology publishes original articles, invited reviews, case reports, letters to the editor and images in rheumatology. The publication language of the journal is English.

The members of reviewer board of the journal are selected from independent international authorities and experts. The editorial board requests the assistance of the reviewer board while selecting manuscripts for publication.

An approval of research protocols by Ethics Committee in accordance with international agreements (Helsinki Declaration of 1975, revised 2008 - available at <http://www.wma.net/en/30publications/10policies/b3/index.html>), "Guide for the care and use of laboratory animals - [www.nap.edu/catalog/5140.html](http://www.nap.edu/catalog/5140.html)) is required for experimental, clinical and drug studies.

Each individual listed as an author should fulfill the authorship criteria recommended by the International Committee of Medical Journal Editors (ICMJE - [HYPERLINK "http://www.icmje.org" www.icmje.org](http://www.icmje.org)). The ICMJE recommends that authorship be based on the following 4 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
4. 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 or she has done, an author should be able to identify which co-authors are responsible for specific other parts of the work. In addition, authors should have confidence in the integrity of the contributions of their coauthors.

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.

European Journal of Rheumatology requires corresponding authors to submit a signed and scanned version of the authorship contribution form (available for download through [HYPERLINK "http://www.eurjrheumatol.org" www.eurjrheumatol.org](http://www.eurjrheumatol.org)) during the initial submission process in order to act appropriately to authorship rights and prevent ghost or honorary authorship.

Any financial grants or other support received for the study from individuals or institutions should be disclosed to the Editorial Board and to disclose potential conflicts of interest ICMJE Potential Conflict of Interest Disclosure Form (available at [HYPERLINK "http://www.icmje.org" www.icmje.org](http://www.icmje.org)) should be filled in and submitted during the initial submission process. Cases of potential conflicts of interest of editors, authors and reviewers are resolved by the journal's Editorial Board within the scope of COPE and ICMJE guidelines.

The journal's editorial and publication processes are adherent to the guidelines of the international organizations such as ICMJE, WAME, COPE and EASE.

Manuscripts that have been published previously elsewhere or are currently under consideration in other journals will not be evaluated and

these type of submissions will be returned to the submitting author. All manuscripts are checked for plagiarism, replication, and duplicate publication. The retraction requests of manuscripts without reasonable explanation will result in "reject" decision if the manuscript is under consideration for publication and close to the final decision.

By submitting a manuscript to European Journal of Rheumatology author acknowledge that the editors could make corrections without changing the basic meaning of the text of the manuscript.

To be accepted for publication, it is required that manuscripts should be original and of high scientific and academic quality, with probability of being cited.

### Manuscript Submission

European Journal of Rheumatology only evaluates manuscripts submitted via the journal's self-explanatory submission system available through [www.eurjrheumatol.org](http://www.eurjrheumatol.org). Manuscripts submitted via any other medium will not be evaluated.

If a manuscript was previously submitted to another publication for evaluation, it is advised that the authors provide the previous evaluation reports during submission to facilitate the evaluation process.

Prior to the evaluation process, each submission goes through a technical review process where the manuscript's general format is checked against the journal's general guidelines. Manuscripts that do not comply with the journal's guidelines will be returned to the submitting author with correction requests and will not undergo peer-review before the requested corrections are implemented.

Following the peer-review process, if a revision is requested, authors are required to return the revised manuscript within 21 days for minor revision decisions and 45 days for major revision decisions. If the authors think that the allocated time is not sufficient to implement the corrections, a deadline extension should be requested from the editorial office before the due date.

Manuscript format should be in accordance with Uniform Requirements for Manuscripts Submitted to Biomedical Journals: Writing and Editing for Biomedical Publication (updated in December 2015 - <http://www.icmje.org/icmje-recommendations.pdf>).

The filled authorship contributions form must be submitted along with the manuscript. The journal's rules on authorship contributions are in compliance with CSE (<http://www.councilscienceeditors.org/i4a/pages/index.cfm?pageid=3376>) and ICMJE ([http://www.icmje.org/ethical\\_1a-ta.html](http://www.icmje.org/ethical_1a-ta.html)) recommendations.

Original Investigations and Reviews should be presented according to the following guidelines: randomized study - CONSORT, observational study - STROBE, study on diagnostic accuracy - STARD, systematic reviews and meta-analysis PRISMA, animal experimental studies - ARRIVE, non-randomized behavioural and public health intervention studies - TREND.

### Manuscript Preparation

#### Title Page

Each submission should be accompanied by a title page. The document should be submitted separately through the submission system and should include the title of the manuscript, running head, a full list of all contributing authors, full institution information of all contributing authors, an address for correspondence, contact information of the corresponding author (including the contact phone number, mobile phone number and the e-mail address), if the content of the manuscript has been presented before the time and place of the presentation and the acknowledgements if there are any. Acknowledgement to persons who significantly contributed to the study or assisted in preparing article should be done appropriately.

#### Abstract

The abstract should be limited to 400 words for original articles and review articles and should be limited to 250 words for case reports. Abstracts of

original articles should be structured with the following subheadings: Objective, Material and Methods, Results and Conclusion.

#### Keywords

All submissions should be accompanied by 3 to 6 keywords concordant with NLM MeSH vocabulary terms (available at <http://www.nlm.nih.gov/mesh/MBrowser.html>)

#### Main Document

Main document should include the main text, reference list and the tables. It should be prepared using Microsoft Word software. Times New Roman font (size 12) should be used throughout the main document with 1.5 line spacing. The side margins of the main document should be set at 25 mm from all sides.

#### Main text

The main text should be structured depending on the type of the manuscript. The main text of original articles should be structured with Introduction, Material and Methods, Results and Discussion subheadings while the main text of case reports should be structured with Introduction, Case Presentation and Discussion subheadings. These sections can be divided into subsections and subtitles where appropriate. With original articles, the limitations of the study should be provided under the Discussion section, before the conclusion paragraph.

The main text of original articles should not exceed 3000 words and should be accompanied by necessary number of tables and figures. The number of references cited in an original article should be limited to 35.

With review articles, the main text should not exceed 5000 words and should be accompanied by necessary number of tables and figures. The number of references cited in an original article should be limited to 50.

Case reports should not be longer than 1200 words, and the number of references should be limited to 10.

Letters to the Editor and Images in Rheumatology should not be longer than 500 words. The number of references should be limited to 5 with these kind of manuscripts.

The main text of all manuscripts should be blind. Any information that may indicate an individual or institution should be excluded.

Information on informed consent of the patients and ethics committee approval should be provided under the Material and Methods section of the main text.

Statistical analysis should be performed in accordance with guidelines on reporting statistics in medical journals (Altman DG, Gore SM, Gardner MJ, Pocock SJ. Statistical guidelines for contributors to medical journals. *Br Med J* 1983; 7; 1489-93.). Software used for analysis should be describe. For parametric tests represent continuous variables as Mean±Standard Deviation, while for nonparametric tests represent data as Median and range (Minimum- Maximum) or Median and interquartile range (25th and 75th percentiles). Whenever complex analyses are used support the relative risk, odds or hazard ratios values by providing confidence intervals and p values.

When a drug, product, hardware, or software mentioned within the main text product information, including the name of the product, producer of the product, city of the company and the country of the company should be provided in parenthesis 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. All acronyms and abbreviations should be defined at first use within the main text followed by the acronym or abbreviation in parenthesis.

#### References

References should be numbered in the order they are referred to within the main text. Authors are responsible for accuracy of references.

#### Reference Formatting

Standard journal article: Abbreviations of journal titles should be done in accordance with journal abbreviations used in Index Medicus (for journal abbreviations consult List of Journals indexed for MEDLINE published annually by NLM at <http://www.nlm.nih.gov/tsd/serials/lji.html>). In case of six or less authors numbers list of all authors is required. If number of authors exceeds six, list first 6 authors followed by et al. A list of authors should be followed by the full title of the article, journal title, year, volume and page numbers.

Example: Muller C, Buttner HJ, Peterson J, Roskomun H. A randomized comparison of clopidogrel and aspirin versus ticlopidine and aspirin after placement of coronary artery stents. *Circulation* 2000; 101: 590-3.

Books: Chapter in a book: Sherry S. Detection of Thrombi. In: Strauss HE, Pitt B, James AE, editors. *Cardiovascular Medicine*. St Louis: Mosby; 1974. p. 273-85.

Personal author(s): Cohn PF. Silent Myocardial Ischemia and Infarction. 3rd ed. New York: Marcel Dekker; 1993.

Editor (s), compiler(s) as author: Norman JJ, Redfern SJ, editors. *Mental Health Care for Elderly People*. New York: Churchill Livingstone; 1996.

Conference paper: Bengtsson S, Sotheman 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. P. 1561-5.

Scientific or technical report: Smith P, Golladay K. Payment for durable medical equipment billed during skilled nursing facility stays. Final report. Dallas (TX) Dept. of Health and Human Services (US). Office of Evaluation and Inspections: 1994 Oct. Report No: HHSIGOE 169200860.

Dissertation: Kaplan SI. Post-hospital home health care: the elderly access and utilization (dissertation). St. Louis (MO): Washington Univ. 1995.

Article 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: <http://www.cdc.gov/nccidod/EID/cid.htm>.

#### Tables

Tables should be included at the end of the main document and should not be submitted separately. Each table should be accompanied by a descriptive title. Abbreviations used in tables should be defined below the tables by footnotes. All tables should be referred to within the main text and they should be numbered consecutively in the order they are referred to.

#### Figures

Figures should be submitted as separate files through the submission system and they should not be embedded in the main document. Each figure should be accompanied by a descriptive legend. When there are subunits, the subunits should not be merged to form a single image but should be submitted through the submissions system. Submitted images should be clear and large in size with a minimum width of 15 cm. The minimum resolution of each submitted image should be 300DPI. Like the rest of the manuscript, the figures too should be blind. All information that may indicate an individual or institution should be excluded.

The originality of tables and figures should be confirmed in the accompanying letter. In case of reproduction of tables and figures from other published sources, the appropriate citation should be done and the original source either in hardcopy or electronic (\*.pdf) format along with the obtained permission for publication from Copyright owner (publisher, journal or author(s)) should be submitted to the Editor-in-Chief office.

The rules for title page, references, figures and tables are applicable for all types of manuscripts.

## CONTENTS

### *Original Investigations*

- 131** Differential diagnosis of elevated erythrocyte sedimentation rate and C-reactive protein levels: a rheumatology perspective  
Berivan Bitik, Ridvan Mercan, Abdurrahman Tufan, Engin Tezcan, Hamit Küçük, Mustafa İlhan, Mehmet Akif Öztürk, Seminur Haznedaroğlu, Berna Göker
- 135** Differential assay reactivity of immunoglobulin A anti- $\beta_2$  glycoprotein I antibodies: implications for the clinical interpretation of antiphospholipid antibody testing  
David B. Hood, Karin R. Snyder, Tammy R. Buckner, Beth L. Hurley, Kelly R. Pitts, Luis R. Lopez
- 139** Characteristics and outcomes of chronic non-bacterial osteitis in children  
Stefanie Wintrich, Gerd Horneff
- 143** Rumination modulates stress and other psychological processes in fibromyalgia  
Katrina Malin, Geoffrey Owen Littlejohn
- 149** Current antiviral practice and course of Hepatitis B virus infection in inflammatory arthritis: a multicentric observational study (A + HBV study)  
Umut Kalyoncu, Hakan Emmungil, Ahmet Mesut Onat, Sedat Yılmaz, Timuçin Kaşifoğlu, Servet Akar, Nevsun İnanç, Fatih Yıldız, Orhan Küçükşahin, Ömer Karadağ, Ridvan Mercan, Cemal Bes, Veli Yazısız, Barış Yılmaz, Mustafa Özmen, Şükran Erten, Soner Şenel, Ayten Yazıcı, Koray Taşçılar, Melike Kalfa, Sedat Kiraz, Bünyamin Kısacık, Yavuz Pehlivan, Levent Kılıç, İsmail Şimşek, Ayşe Çefle, Nurullah Akkoç, Haner Direskeneli, Eren Erken, Murat Turgay, Mehmet Akif Öztürk, Mehmet Soy, Kenan Aksu, Ayhan Dinç, İhsan Ertenli

### *Invited Review*

- 155** Relapsing polychondritis  
Hakan Emmungil, Sibel Zehra Aydın

### *Case Reports*

- 160** Dermato-neuro syndrome in a case of scleromyxedema  
Yusuf Savran, Sevgi Akarsu
- 163** Therapy resistant idiopathic scleredema: an underlying pathology not always present  
Melike Kalfa, Hayriye Koçanaoğulları, Figen Yargucu Zihni, Gonca Karabulut, Hakan Emmungil, Vedat İnal
- 165** Sjögren's syndrome after silicone breast implantation  
Lütfi Akyol, Soner Önem, Metin Özgen, Mehmet Sayarlıoğlu
- 167** A missed Behçet's case presenting with spontaneous epidural hematoma  
Levent Karataş, Gönen Mengi, Özden Özyemişçi-Taşkıran

### *Letter to the Editor*

- 169** Rhabdomyolysis probably induced by influenza vaccine and fibrates therapy  
Hatice Hamarat, Göknur Yorulmaz, Emel Örgü Gönüllü, Ayşe Ekim

- 170** *Reviewer List*