

# EJR European Journal of Rheumatology

Volume 1 • Issue 1 • March 2014

Page  
1

## Prevalence of the metabolic syndrome in rheumatoid arthritis

- Metabolic syndrome in rheumatoid arthritis
- Rheumatoid arthritis and metabolic syndrome
- Achilles tendon thickness in SpA
- Arterial stiffness and GGT in FMF
- Salusin- $\alpha$  in SLE and SSc
- Autonomic functions in acrocyanosis
- An updated review of FMF
- Mass-like lesions in neuro-Behçet's disease
- Coexistence of systemic lupus erythematosus and ankylosing spondylitis
- Sjögren's syndrome and thrombocytopenia
- Herpetic whitlow during immunosuppressive therapy
- Endoscopy in Henoch-Schönlein purpura



# EJR European Journal of Rheumatology

## Editor in Chief

### Servet Akar

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

## Associate Editors

### Sibel Zehra Aydın

Department of Rheumatology, Göztepe Training and Research Hospital, İstanbul, Turkey

### Ahmet Mesut Onat

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

## Statistical Editor

### Ismail Sarı

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

## Editorial Board

### Nurullah Akkoc

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

### Dimitrios Boumpas

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

### Juan Jesus Gomez Reino Carnata

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

### Haner Direskeneli

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

### 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

### Vedat Hamuryudan

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

### Murat İnanç

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

### Hilal Maradit Kremers

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

## Managing Editor

### Ömer Nuri Pamuk

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

### Mehmet Sayarlıoğlu

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

### Bünyamin Kısacık

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

### Seza Özen

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

### Antonio Gonzales Martinez Pedroya

Sangre de Cristo Community Health Partnership, Santa Fe, New Mexico, USA

### Claus Rasmussen

Department of Bioscience, Aarhus University, Aarhus, Denmark

### Marco Mattuci Serinic

Department of Medicine, Division of Rheumatology, 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

### Georges C. Tsokos

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

### Hasan Yazıcı

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

### Yusuf Yazıcı

NYU Hospital for Joint Diseases, New York, USA



**Publisher**  
İbrahim KARA

**Publication Director**  
Ali ŞAHİN

**Deputy Publication Directors**  
Gökhan ÇİMEN  
Ayşegül BOYALI

**Publication Coordinators**  
Nilüfer TÜRKYILMAZ  
Merve AKDEMİR SAĞLIK

**Sales Coordinator**  
Sinan Gökboro BÜNCÜ

**Finance and Administration**  
Veysel KARA

**Project Assistant**  
Gizem KOZ

**Graphics Department**  
Ünal ÖZER  
Neslihan YAMAN  
Merve KURT

**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

*Yayın Türü: Yerel Süreli  
Basım Tarihi: Mart 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*

## AIMS AND SCOPE

European Journal of Rheumatology (Eur J Rheum) 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, and COPE.

All published content of the European Journal of Rheumatology is available online at [www.eurjrheum.org](http://www.eurjrheum.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 Rheum) 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.

An "Author Contribution Form" is required with all submissions. A statement on absence of conflict of interests are required. (ICMJE Form for Disclosure of Potential Conflicts of Interest and Authorship Contributions forms are available at [www.eurjrheum.org](http://www.eurjrheum.org)). The journal's policy on publication and research ethics are in compliance with ICMJE, COPE guidelines.

European Journal of Rheumatology requires authors to acknowledge and provide information on grants, contracts or other financial support of the study provided by any foundations and institutions or firms.

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.eurjrheum.org](http://www.eurjrheum.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 2013 - <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\\_1author.html](http://www.icmje.org/ethical_1author.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, nonrandomized 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.

#### Key words

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 IJ, Redfern SJ, editors. *Mental Health Care for Elderly People*. New York: Churchill Livingstone; 1996.

Conference paper: Bengissson 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. 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*

- 1** Prevalence of the metabolic syndrome in rheumatoid arthritis  
Mustafa Özmen, Özlem Yersal, Serpil Öztürk, Dilek Soysal, Mehmet Hicri Köseeoğlu
- Editorial Comment: Dynamics shared by two related proinflammatory conditions, rheumatoid arthritis and metabolic syndrome  
Altan Onat
- 7** Sonographic measurement of Achilles tendon thickness in seronegative spondyloarthropathies  
Sibel Zehra Aydın, Emilio Filippucci, Pamir Atagündüz, Şule Yavuz, Walter Grassi, Haner Direskeneli
- 11** Evaluation of arterial stiffness with plasma GGT levels and pulse wave velocity measurement in patients with FMF  
Filiz Yılmaz, Sena Ulu, Önder Akçı, Ahmet Ahsen, Kasım Demir, Şeref Yüksel
- 14** Serum salusin- $\alpha$  levels in systemic lupus erythematosus and systemic sclerosis  
Süleyman Serdar Koca, Metin Özgen, Bahar Işık, Mustafa Necati Dağlı, Bilal Üstündağ, Ahmet Işık
- 18** Autonomic functions in acrocyanosis assessed by heart rate variability  
Sedat Yılmaz, Mehmet Yokuşoğlu, Muhammet Çınar, İsmail Şimşek, Oben Baysan, Bilgehan Savaş Öz, Hakan Erdem, Salih Pay, Ayhan Dinç
- Review*
- 21** Familial Mediterranean fever: An updated review  
İsmail Sarı, Merih Birlik, Timuçin Kasifoğlu
- Case Reports*
- 34** Mass-like lesions as a rare form of neuro-Behçet disease: A case report and review of the literature  
Nazife Şule Yasar Bilge, Suzan Şaylısoy, Timuçin Kaşifoğlu, Cengiz Korkmaz
- 39** Coexistence of systemic lupus erythematosus and ankylosing spondylitis: another case report and review of the literature  
Figen Tarhan, Mehmet Argın, Gerçek Can, Mustafa Özmen, Gökhan Keser
- 44** Thrombocytopenia caused by albendazole in a patient with Sjögren's syndrome: A case report  
Pınar Açıkgöz, İbrahim Halil Türkbeyler, Yavuz Pehlivan
- 46** Herpetic whitlow during immunosuppressive therapy for Wegener's Granulomatosis  
Dilek Solmaz, Ezgi Atalay, Banu Lebe, Pınar Çetin
- Image of Interest*
- 48** Endoscopic appearance of Henoch-Schönlein purpura  
Gerçek Sen, Dilek Solmaz, Hasan Kayahan, Mustafa Özmen