

RAD

CROATIAN ACADEMY OF SCIENCES AND ARTS - Medical Sciences

Editorial Board

Uredništvo

Vol 547 = 54-55 (2021)

KNJIGA 547, SVEZAK 54-55

DOI 10.21857/y6z0lb311m

ISSN 1848-641X (ONLINE)

ISSN: 1330-5301 (PRINT)

EDITOR IN CHIEF

GLAVNI I ODGOVORNI UREDNIK

Marko Pećina

DEPUTY EDITOR

ZAMJENICA GLAVNOG UREDNIKA

Vida Demarin

ASSISTANT EDITORS

UREDNICI

Ivana Čepelak

Iva Dekaris

Martin Kuhar

Alemka Markotić

Josip Madić

Mirna Šitum

Zrinka Tarle

EDITORIAL BOARD SECRETARY

TAJNIK UREDNIŠTVA

Filip Đerke

EDITORIAL ASSISTANT

POMOĆNIK UREDNIŠTVA

Luka Filipović-Grčić

ADVISORY BOARD

SAVJET

Željko Cvetnić

Ivo Čikeš

Dragan Dekaris

Hedvig Hricak

Bojan Jelaković

Vjekoslav Jerolimov

Željko Kaštelan

Ivica Kostović

Zvonko Kusić

Dražen Matičić

Davor Miličić

Steven Živko Pavletić

Željko Reiner

Daniel Rukavina

Miroslav Samaržija

Nenad Šestan

Slobodan Vukičević

PUBLISHER

IZDAVAČ

CROATIAN ACADEMY OF SCIENCES AND ARTS

Department of Medical Sciences

HRVATSKA AKADEMIJA ZNANOSTI I UMJETNOSTI

Razred za medicinske znanosti

FOR THE PUBLISHER

ZA IZDAVAČA

Dario Vretenar

WEB EDITOR / WEB UREDNIK

Filip Đerke

GRAPHIC DESIGNER / GRAFIČKA UREDNICA

Nina Ivanović

EDITION / NAKLADA

200

DOI NUMBERS / DOI BROJEVI

Kristina Polak Bobić

REDACTION ADDRESS:

Trg Nikole Šubića Zrinskog 11, Zagreb
tihana@hazu.hr

RAD CASA was founded by the Croatian Academy of Sciences and Arts in 1867, the Journal: **RAD CASA - MEDICAL SCIENCES** was founded by the Academy's Department of Medical Sciences in 1951.

The articles are categorized according to "Guidelines for Authors" available at the RAD CASA MEDICAL SCIENCES webpage:
www.rad-med.com

RAD CASA MEDICAL SCIENCES is published twice a year as a double issue.

DISCLAIMER

The statements, opinions and data contained in this publication are solely those of the individual authors and contributors and not of the Publisher and the Editor-In-Chief. The appearance of advertisements in the Journal is not the warranty, endorsement, or approval of the products or service advertised or of their effectiveness, quality or safety. The publisher and the Editor-In-Chief disclaim responsibility for any ideas, methods, instructions or products referred to in the content or advertisements.

RAD CASA MEDICAL SCIENCES is included in / indexed by:



Printed with support of the Foundation of the Croatian Academy of Sciences and Arts

DRUG DOSAGE

The authors and the publisher have extended every effort to ensure that drug selection and dosage set forth in this text are in accord with current recommendations and practice at the time of publication. However, in view of ongoing research, changes in government regulations, and the constant flow of information relating to drug therapy and drug reactions, the reader is urged to check the package insert for each drug for any change in indications and dosage and for added warnings and precautions. This is particularly important when the recommended agent is a new and/or infrequently employed drug.

Editorial Policies and Guidelines for Authors

RAD CASA - MEDICAL SCIENCES is an international peer-reviewed medical journal open to physicians and scientists from the field of biomedicine. It accepts contributions in the form of original article, review, short review, case report, letter to the editor, short communication, and correspondence.

PLAGIARISM DETECTION

Manuscripts are checked for text similarity and manually verified by the research integrity editor. We use CrossRef Similarity Check software and deal with manuscripts suspected on plagiarism following the COPE flowcharts and ICMJE guidelines.

ETHICAL APPROVAL AND INFORMED CONSENT

When reporting trials on human subjects, authors should indicate whether the procedures were following the ethical standards set by the responsible human experimentation committee (institutional and national) and the latest version of the Declaration of Helsinki given by World Medical Association. Ethical approval (institutional or national) should be obtained for every study that includes the collection of an additional patient sample of any biological material (more than those required for the medical evaluation). Regardless of the preserved anonymity, patients presented in case report articles should always sign informed consent. Case reports without patients' consent are not eligible for publication in Rad.

LANGUAGE

Rad is published exclusively in English. It is the author's responsibility to ensure that the English language is thoroughly revised before submitting the work for publication. Note that the Editorial Board reserves the right to reject a manuscript if the use of language is deemed too poor. The Abstract should be written in both English and Croatian if it is possible (if not, the proofreader will translate it to Croatian).

ARTICLE-PROCESSING CHARGES

Manuscript submission, article processing and publishing are free of charge.

ARTICLE TYPES

Contributions to the Journal are classified into the categories listed in the table below. The maximum word count does NOT include the title, authors and affiliations, abstract, keywords, subheadings, table and figure legends, and references. However, it does include the text in the tables, if any.

Type	Max. word count	Max. number of references
Letter to the editor	1000	5
Review	5000	100
Short review	3500	50
Original article	5000	30
Short communication	1500	10
Case report	1500	20
Correspondence	1000	7

AUTHORSHIP

Rad follows the guidelines for authorship set forth by the International Committee of Medical Journal Editors (ICMJE)

Each author should meet all four criteria as follows:

1. substantial contributions to conception and design, acquisition of data, or analysis and interpretation of data

2. drafting the article or revising it critically for important intellectual content

3. final approval of the version to be published

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.

According to ICMJE: "In addition to being accountable for the parts of the work the author has done, an author should be able to identify which co-authors are responsible for specific other parts of the work. Also, the 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."

Rad adopted the system by which each author is identified with his/her unique identification number, ORCID, thus ensuring transparency in authorship and personal identification. It is available for free at <http://orcid.org/>. It is recommended for each author to provide his/her ORCID number.

MANUSCRIPT SUBMISSION

During the manuscript, submission process corresponding author is asked to provide his ORCID ID number. The corresponding author is responsible to fill in the Submission form on behalf of all co-authors. Manuscript Submission form consists of the following sections: authorship statement, statement of originality, conflict of interest disclosure, protection of research participants, and copyright transfer and publication license.

Instructions for authors comply with the "Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly Work in Medical Journals" (<http://www.icmje.org/recommendations/>, updated in 2016). Editors hold the right to make all the necessary changes to the language and style of the original manuscript to adhere to the uniform standards of the Journal.

MANUSCRIPT PREPARATION

The manuscript should be written in English and uploaded via the online submission system available at Journal website (www.rad-med.com)

The following should be submitted:

- Cover letter
- Title page
- Manuscript (without authors and affiliations)
- Figure (optional)
- Supplementary material (optional).

Please note that a Manuscript file should not contain any information on the authors and their affiliation. Also, the Manuscript file name should not contain any reference to the author's name. This is important because all manuscripts are sent for blind peer review.

All pages of the manuscript (except for the cover letter and title page, which are attached separately) should be within a single document. Original manuscripts should be structured as follows: Abstract, Keywords, Introduction, Materials and Methods, Results, Discussion, Acknowledgments, Tables and Figures, and References.

ABSTRACT All types of manuscripts should contain an abstract. An abstract of 350 words maximum should be provided on a separate page in the Manuscript file (abstract only, without authors and affiliation). The abstract of an original article should be structured into four headings: Introduction, Materials and Methods, Results, and Conclusions. For other article types, abstracts do not have to be structured.

KEYWORDS Please whenever possible, provide 3-5 keywords from MeSH database)

INTRODUCTION In the Introduction section, the authors should point out new information in the manuscript, the hypothesis, and the aim of their work. The Introduction section should not contain results and conclusions.

MATERIALS AND METHODS The Materials and methods section should only include information that was available at the time the study was planned. All information obtained during the study should be provided in the Result section. The detailed instructions for writing materials and methods are available at the Journal website (www.rad-med.com).

RESULTS State the main or most important finding first. The data presented in the tables or figures should not be repeated in the text. Graphs should be used as an alternative to tables with many entries.

DISCUSSION Emphasize the new and important conclusion based on the study results in the context of the best available evidence. Do not repeat the data presented in the Introduction or Results section. Clearly, state the limitations of the study.

ACKNOWLEDGEMENTS All contributors who do not meet the authorship criteria should be listed in the Acknowledgments section. These persons must give verbal permission to be acknowledged. Authors should provide that statement during the manuscript submission process. Financial and material support should also be acknowledged and reported in the conflict of interest disclosure during the manuscript submission process.

REFERENCES Authors are responsible for verifying the accuracy of the references by using an electronic bibliographic source, such as PubMed, or printed original articles. References must not refer to the retracted article except if the authors want to refer to the particular retraction.

Rad applies the **Vancouver referencing style**. Literature citation should conform to the standards available at NLM's International Committee of Medical Journal Editors (ICMJE) Recommendations for the Conduct, Reporting, Editing and Publication of Scholarly Work in Medical Journals (examples are available at Journal website (www.rad-med.com)) References should be numbered consecutively, using Arabic numerals in parentheses, in the order of appearance in the text.

CONFLICT OF INTEREST

According to the International Committee of Medical Journal Editors (ICMJE): "Conflict of interest exists when an author (or the author's institution) has financial (employment, consultancies, stock ownership, honoraria and paid expert testimony) or personal relationship, academic competition or intellectual passion that inappropriately influences his actions."

OTHER POSSIBLE CONFLICTS OF INTEREST

All reviewers, editors, section editors, Editorial Board members, included in the publication process will also be asked to disclose any potential conflict of interest regarding the manuscript they are asked to review (primarily relationships with the pharmaceutical industry; incorporated into our submission system).

For more detailed information and instructions for authors, we suggest visiting the Journals' official webpage: www.rad-med.com

RAD
CROATIAN ACADEMY OF SCIENCES AND ARTS -
MEDICAL SCIENCES

Vol 547 = 54-55 (2021)
KNJIGA 547, SVEZAK 54-55

CONTENTS

- 8 **Editorial**
2021 - Brighter Light at the End of the Tunnel
Marko Pečina, Vida Demarin
- 10 **ORIGINAL ARTICLE:**
Bulgarian mutations spectrum in Cadasil: Our experience
Ivan Tourtourikov, Tanya Kadiyska, Vanyo Mitev, Albena Todorova, Ekaterina Titianova
- 20 **ORIGINAL ARTICLE:**
Incidence of epilepsy in multiple sclerosis patients
Iris Zavoreo, Miljenka Jelena Jurašić, Lucija Zadro Matovina, Vanja Bašić Kes
- 24 **ORIGINAL ARTICLE:**
Berlin Initiative Study 1 equation and HUGE formula for more accurate estimation of kidney function in elderly
Marija Matašin, Viktor Domislović, Mirjana Fuček, Lana Gellineo, Ana Jelaković, Živka Dika, Bojan Jelaković
- 32 **ORIGINAL ARTICLE:**
Endovascular treatment of subclavian stenosis – single center experience
Savko Dobrota, Luka Filipović-Grčić, Dražen Perkov, Vesna Đermanović Dobrota, Vesna Lukinović-Škudar, Majda Vrkić Kirhmajer, Neva Coce, Silva Butković Soldo
- 38 **ORIGINAL ARTICLE:**
Prevalence of nonmotor symptoms in patients with Parkinson's disease in Split-Dalmatia County
Slaven Lasić, Silvio Bašić, Davor Sporiš, Gordan Džamonja
- 50 **ORIGINAL ARTICLE:**
How to Create a Medical Knowledge: the Case of Georgius Baglivi (1668-1707)
Zrinka Blažević
- 56 **REVIEW ARTICLE:**
Meralgia Paresthetica – Lateral Femoral Cutaneous Nerve Entrapment
Dora Madiraca Glasović, Nika Šlaus, Mirna Šitum, Marko Pečina
- 64 **REVIEW ARTICLE:**
Robotics in urology: A short review and a single-centre experience with Senhance™ robotics system
Tvrtko Hudolin, Tomislav Kuliš, Nikola Knežević, Luka Penezić, Toni Zekulić, Dinko Hauptman, Hrvoje Sajić, Željko Kaštelan
- 70 **REVIEW ARTICLE:**
Conventional TESE technique: A short review and a single-centre experience in 9 years
Dinko Hauptman, Tvrtko Hudolin, Zoran Zimak, Tomislav Kuliš, Davor Ježek, Željko Kaštelan
- 76 **REVIEW ARTICLE:**
Obstructive sleep apnea and type 2 diabetes melitus
Vesna Đermanović Dobrota, Vesna Lukinović-Škudar, Savko Dobrota, Luka Filipović-Grčić, Ingrid Prkačin, Pero Hrbač, Majda Vrkić Kirhmajer, Silva Butković Soldo

86	REVIEW ARTICLE: A practical approach to patient with Young-onset dementia <i>Marina Boban</i>
94	REVIEW ARTICLE: What's the time? – numerical eponyms and brainstem syndromes” <i>Denis Čerimagić, Ervina Bilić</i>
100	REVIEW ARTICLE: Neurological ZOO <i>Denis Čerimagić</i>
110	HISTORY OF MEDICINE: The memory of heritage: Donation from Ivo Padovan's legacy preserved at the Croatian Museum of Medicine and Pharmacy of the Croatian Academy of Sciences and Arts <i>Silvija Brkić Midžić, Stella Fatović-Ferenčić</i>
120	NEWS & EDUCATION: Post-covid era: The new and unknown field <i>Alen Ružić, Vladimira Vuletić, Daniel Rukavina</i>
124	NEWS & EDUCATION: Mitral Academy – Surgical Aspect of the Treatment of Mitral Valve Disease <i>Hrvoje Gašparović</i>
126	NEWS & EDUCATION: 7 th meeting on apoptosis and neoplasm <i>Monika Ulamec</i>
127	NEWS & EDUCATION: 6 th Croatian Symposium on Vascular Medicine - CROVASCULAR 2021 <i>Mislav Vrsalović, Pavao Mioč</i>
128	NEWS & EDUCATION: MIND & BRAIN 60 th International Neuropsychiatric Congress - Virtual <i>Vida Demarin, Hrvoje Budinčević</i>
130	NEWS & EDUCATION: 31 st Summer Stroke School “Healthy Lifestyle and Prevention of Stroke and Other Brain Impairments” - Virtual <i>Vida Demarin, Hrvoje Budinčević</i>
131	BOOK REVIEW: ORL monograph “125 godina otorinolaringologije u Vinogradskoj bolnici 1894. – 2019.” <i>Vladimir Bedeković, Livije Kalogjera, Robert Trotić</i>
132	NEWS & EDUCATION: The exhibition. Glyptotheque of the Croatian Academy of Sciences and Arts, Zagreb, 16 March – 18 April 2021. <i>Between Memory and History: Kogoj's Collection of Photographic Portraits and Honorary Charters.</i> <i>Martin Kuhar</i>
134	BOOK REVIEW: <i>Between Memory and History: Kogoj's Collection of Photographic Portraits and Honorary Charters.</i> Catalogue of the exhibition. Glyptotheque of the Croatian Academy of Sciences and Arts, Zagreb, 16 March – 18 April 2021. <i>Mirna Šitum</i>
137	ESSAY - INTERVIEWS: Introduction <i>Marko Pečina</i>
138	ESSAY - INTERVIEWS: Davor Solter Interview
148	ESSAY - INTERVIEWS: Gabrijela Kocjan-Suchy Interview
157	KEYWORD INDEX
157	AUTHOR INDEX

RAD

HRVATSKE AKADEMIJE ZNANOSTI I UMJETNOSTI

MEDICINSKE ZNANOSTI

Vol 547 = 54-55 (2021)
KNJIGA 547, SVEZAK 54-55

SADRŽAJ

- 8 **UVODNIK**
2021 - Svjetlo na kraju tunela
Marko Pečina, Vida Demarin
- 10 **IZVORNI RAD:**
Spektar bugarskih mutacija u Cadasilu: Naše iskustvo
Ivan Tourtourikov, Tanya Kadiyska, Vanyo Mitev, Albena Todorova, Ekaterina Titianova
- 20 **IZVORNI RAD:**
Incidencija epilepsije u bolesnika s multiplom sklerozom
Iris Zavoreo, Miljenka Jelena Jurašić, Lucija Zadro Matovina, Vanja Bašić Kes
- 24 **IZVORNI RAD:**
Berlin Initiative Study 1 jednadžba i HUGE jednadžba za precizniju procjenu bubrežne funkcije u starijih
Marija Matašin, Viktor Domislović, Mirjana Fuček, Lana Gellineo, Ana Jelaković, Živka Dika, Bojan Jelaković
- 32 **IZVORNI RAD:**
Endovaskularno liječenje stenozne potključne arterije – iskustvo jednog centra
Savko Dobrota, Luka Filipović – Grčić, Dražen Perkov, Vesna Đermanović Dobrota, Vesna Lukinović – Škudar, Majda Vrkić Kirhmajer, Silva Butković Soldo, Neva Coce
- 38 **IZVORNI RAD:**
Učestalost nemotoričkih simptoma u bolesnika s Parkinosnovom bolesti u Splitsko-dalmatinskoj županiji
Lasić, Slaven, Bašić Silvio, Sporiš Davor, Džamonja Gordana
- 50 **IZVORNI RAD:**
Kako stvoriti medicinsko znanje: slučaj Georgiusa Baglivija (1668. - 1707.)
Zrinka Blažević
- 56 **PREGLEDNI RAD:**
Meralgia paresthetica – kanalikularni sindrom nervus cutaneus femoris lateralis
Dora Madiraca Glasović, Nika Šlaus, Mirna Šitum, Marko Pečina
- 64 **PREGLEDNI RAD:**
Robotika u urologiji: Kratki pregled i iskustvo našeg centra sa Senhance™ robotskim sustavom
Tvrtko Hudolin, Tomislav Kuliš, Nikola Knežević, Luka Penezić, Toni Zekulić, Dinko Hauptman, Hrvoje Sajić, Željko Kaštelan
- 70 **PREGLEDNI RAD:**
Konvencionalna TESE: Kratki pregled i devetogodišnje iskustvo jednog centra
Dinko Hauptman, Tvrtko Hudolin, Zoran Zimak, Tomislav Kuliš, Davor Ježek, Željko Kaštelan
- 76 **PREGLEDNI RAD:**
Opstruktivna apneja u spavanju i dijabetes melitus tipa 2
Vesna Đermanović Dobrota, Vesna Lukinović-Škudar, Savko Dobrota, Luka Filipović-Grčić, Ingrid Prkačin, Pero Hrbač, Majda Vrkić Kirhmajer, Silva Butković Soldo

- 86 **PREGLEDNI RAD:**
Demencije s počekom u ranoj životnoj dobi-praktični pristup oboljelom
Marina Boban
- 94 **PREGLEDNI RAD:**
Koliko je sati? Brojčani eponimi i sindromi moždanog debla
Denis Čerimagić, Ervina Bilić
- 100 **PREGLEDNI RAD:**
Neurološki Zoo
Denis Čerimagić
- 110 **POVIJEST MEDICINE:**
Memorija baštine: prezentacija dijela donacije iz ostavštine Ive Padovana u fundusu Hrvatskog muzeja medicine i farmacije Hrvatske akademije znanosti i umjetnosti
Silvija Brkić Midžić, Stella Fatović-Ferenčić
- 120 **NOVOSTI:** Post-covid era: Novo i nepoznato područje
Alen Ružić, Vladimira Vuletić, Daniel Rukavina
- 124 **NOVOSTI:** Znanstveni skup "Mitralna akademija – Kirurški aspekti liječenja mitralne patologije"
Hrvoje Gašparović
- 126 **NOVOSTI:** 7. simpozij apoptoza i novotvorine
Monika Ulamec
- 127 **NOVOSTI:** CROVASCULAR simpozij
Mislav Vrsalović
- 128 **NOVOSTI:** MIND & BRAIN šezdeseti međunarodni neuropsihijatrijski kongres - Virtual
Vida Demarin, Hrvoje Budinčević
- 130 **NOVOSTI:** 31. Ljetna škola o moždanom udaru: Zdravi način života i prevencija moždanog udara i drugih oštećenja mozga
Vida Demarin, Hrvoje Budinčević
- 131 **PRIKAZ KNJIGE:** ORL monografija "125 godina otorinolaringologije u Vinogradskoj bolnici 1894. – 2019."
Vladimir Bedeković, Livije Kalogjera, Robert Trotić
- 132 **NOVOSTI:** Izložba: *Između pamćenja i povijesti: Kogojeva zbirka fotoportreta i počasnih povelja*,
Gliptoteka Hrvatske akademije znanosti i umjetnosti, Zagreb. 16. ožujka – 18. travnja 2021.
Martin Kuhar
- 134 **PRIKAZ KNJIGE:** Katalog izložbe: *Između pamćenja i povijesti: Kogojeva zbirka fotoportreta i počasnih povelja*,
Gliptoteka Hrvatske akademije znanosti i umjetnosti, Zagreb. 16. ožujka – 18. travnja 2021.
Mirna Šitum
- 137 **ESEJ - INTERVJU:**
Uvod
Marko Pećina
- 138 **ESEJ - INTERVJU:**
Davor Solter Intervju
- 148 **ESEJ - INTERVJU:**
Gabrijela Kocjan-Suchy Intervju
- 157 **INDEKS KLJUČNIH RIJEČI**
- 157 **INDEKS AUTORA**