

**Volume 53 Number 4, 2012**

**(new series)**

***ROMANIAN JOURNAL***

***OF***

***MORPHOLOGY AND EMBRYOLOGY***



**ROMANIAN ACADEMY PUBLISHING HOUSE**

© 2012 ROMANIAN ACADEMY PUBLISHING HOUSE. All rights reserved.

ROMANIAN ACADEMY PUBLISHING HOUSE protects this journal, and the individual contributions contained in it under copyright, in the following terms and conditions apply to their use:

**Photocopying**

Single photocopies of single articles may be made for personal use as allowed by national copyright laws. Permission of the publisher and payment of a fee is required for all other photocopying, including multiple or systematic copying, copying for advertising or promotional purposes, resale, and all forms of document delivery. Special rates are available for educational institutions that wish to make photocopies for non-profit educational use.

Permissions may be sought directly from EDITOR, at the following address: *Romanian Society of Morphology, Research Center for Microscopic Morphology and Immunology, University of Medicine and Pharmacy of Craiova, 2–4 Petru Rareş Street, 200349 Craiova, Romania; Phone/Fax +40251–523 654, e-mail: editor@rjme.ro, rjmorphembryol@yahoo.com.*

**Derivative works**

Subscribers may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions. Permission of the PUBLISHER is required for resale or distribution outside the institution, and for all other derivative works, including compilations and translations.

**Electronic storage or usage**

Permission of the EDITOR is required to store or use electronically any material contained in this journal, including any article or part of an article. Contact the EDITOR at the address indicated. Except as outlined above, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the EDITOR.

Address permissions requests to: *Romanian Society of Morphology, Research Center for Microscopic Morphology and Immunology, University of Medicine and Pharmacy of Craiova*, at the mail, fax and e-mail addresses noted above.

**Copyright transfer**

Articles and any other material published in the *Romanian Journal of Morphology and Embryology* represent the opinions of the author(s) and should not be construed to reflect the opinions of the EDITOR and the PUBLISHER. Submission of an article implies that the work described has not been published previously (except in the form of an abstract or as a part of a published lecture or academic thesis), that it is not under consideration for publication elsewhere, that its publication is approved by all authors and tacitly or explicitly by the responsible authorities where the work was carried out, and that, if accepted, it will not be published elsewhere in the same form, in English or in any other language, without the written consent of the PUBLISHER. Contributions are accepted on the understanding that the authors have obtained the necessary authority for publication. Submission of multi-authored manuscripts implies the consent of each of the authors. The PUBLISHER will assume that the senior or corresponding author has specifically obtained the approval of all other co-authors to submit the article to this journal.

**The ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY**

(<http://www.rjme.ro/>)

is abstracted by / indexed in:



THOMSON REUTERS

**IMPACT FACTOR / 2011: 0.523**

(2011 *Journal Citation Reports*,  
available June 28, 2012).

*Web of Science – Science Citation Index Expanded*

< <http://scientific.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&ISSN=1220-0522> >



**MEDLINE**  
100100100110  
10101010010101  
1001000101010

**PubMed**  
www.ncbi.nlm.nih.gov

A service of the National Library of Medicine  
and the National Institutes of Health

< [http://www.ncbi.nlm.nih.gov/sites/entrez?Db=nlmcatalog&doptcmdl=Expanded&cmd=search&Term=9112454\[NlmId\]](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=nlmcatalog&doptcmdl=Expanded&cmd=search&Term=9112454[NlmId]) >

< [http://www.info.sciverse.com/UserFiles/title\\_list.xls](http://www.info.sciverse.com/UserFiles/title_list.xls) >



**embase**  
BIOMEDICAL ANSWERS

< <http://www.embase.com/info/UserFiles/Files/Embase%20Journal%20list%20March%202012.xls> >

< <http://www.scimagojr.com/journalsearch.php?q=12200522&tip=iss&clean=0> >

**INDEX COPERNICUS**  
JOURNALS MASTER LIST

< <http://journals.indexcopernicus.com/karta.php?action=masterlist&id=4922> >

**CNCS**  
Romania Research Council

**uefiscdi**  
EXECUTIVE AGENCY FOR  
HIGHER EDUCATION,  
RESEARCH, DEVELOPMENT  
AND INNOVATION  
FUNDING

< [http://uefiscdi.gov.ro/userfiles/file/CENAPSOSS/rev\\_rom\\_isi\\_2012.pdf](http://uefiscdi.gov.ro/userfiles/file/CENAPSOSS/rev_rom_isi_2012.pdf) >

---

**ROMANIAN JOURNAL  
OF  
MORPHOLOGY AND EMBRYOLOGY**  
(Journal of the Romanian Society of Morphology)

Volume 53 Number 4, 2012, p. 863–1114  
(new series)

**CONTENTS**

**REVIEW**

- M. CATALA, J. POIRIER,**  
*Georges Marinesco (1863–1938): neurologist, neurohistologist and neuropathologist* ..... 869

**ORIGINAL PAPERS**

- A. FERNANDEZ-FLORES,**  
*Immunohistochemical and morphologic evaluation of primary cutaneous apocrine carcinomas and cutaneous metastases from ductal breast carcinoma* ..... 879
- CORINA GABRIELA COTOI, SHIRIN ELIZABETH KHORSANDI, I. E. PLEŞEA, A. QUAGLIA,**  
*Whole-genome DASL gene expression profiling of hepatocellular carcinoma sub-populations isolated by laser microdissection on formalin-fixed and paraffin-embedded liver tissue samples* ..... 893
- ANA MARINA FUSARU, CĂTĂLINA GABRIELA PISOSCHI, ADRIANA BOLD, C. TAISESCU,**  
**R. STĂNESCU, MIHAELA HÎNCU, ȘTEFANIA CRĂIȚOIU, ILEANA MONICA BANIȚĂ,**  
*Hypoxia induced VEGF synthesis in visceral adipose depots of obese diabetic patients* ..... 903
- R. MELINTE, I. JUNG, LIA GEORGESCU, SIMONA GURZU,**  
*VEGF and CD31 expression in arthritic synovium and cartilage of human knee joints* ..... 911
- ANCA-ȘTEFANIA SLUJITORU, ANDREEA-LORENA ENACHE, IRINA LAVINIA PINTEA, ELISABETA ROLEA,**  
**CRISTINA MARIANA STOCHECI, O. T. POP, ANCA PREDESCU,**  
*Clinical and morphological correlations in acute ischemic stroke* ..... 917
- ALINA MARIA VILCEA, I. D. VILCEA, CLAUDIA VALENTINA GEORGESCU, V. PĂTRAȘCU,**  
*The value of the histopathologic examination in the diagnosis and management of the actinic keratosis* ..... 927
- GEORGETA ZEGAN, ALINA SODOR, C. MUNTEANU,**  
*Surface characteristics of retrieved coated and nickel-titanium orthodontic archwires* ..... 935
- A. STOICULESCU, I. E. PLEŞEA, O. T. POP, D. O. ALEXANDRU, M. MAN, M. ȘERBĂNESCU,**  
**R. M. PLEŞEA,**  
*Correlations between intratumoral interstitial fibrillary network and tumoral architecture in prostatic adenocarcinoma* ..... 941
- M. C. RUSU, ELENA POP, ADELINA MARIA JIANU, A. G. M. MOTOC,**  
*The vascular layers on the rostral ventrolateral medulla* ..... 951

<b>ANDREEA-ELENA MARINAŞ, PAULINA CIUREA, CL. MÄRGÄRITESCU, O. S. COTOI,</b> <i>Expression of Epidermal Growth Factor (EGF) and its receptors (EGFR1 and EGFR2) in chronic bronchitis .....</i>	957
<b>LUMINIȚA NICOLETA GIURGEA, CARMEN UNGUREANU, MARIA SULTANA MIHAIOVICI,</b> <i>The immunohistochemical expression of p53 and Ki67 in ovarian epithelial borderline tumors. Correlation with clinicopathological factors .....</i>	967
<b>ALMA FLORESCU, CL. MÄRGÄRITESCU, CRISTIANA EUGENIA SIMIONESCU, A. STEPAN,</b> <i>Immunohistochemical expression of MMP-9, TIMP-2, E-cadherin and vimentin in ameloblastomas and their implication in the local aggressive behavior of these tumors .....</i>	975
<b>ADINA OCTAVIA DUŞE, RALUCA AMALIA CEAUŞU, ANCA MARIA CÎMPEAN, HORTENSIA IONIȚĂ,</b> <b>M. RAICA, PUŞA GAJE,</b> <i>Heterogeneity of malignant non-Hodgkin lymphoma-associated blood vessels .....</i>	985
<b>MIHAELA DINU, ANA CLAUDIA GEORGESCU, RALUCA NICULINA CIUREA, MIRELA ȘTEFAN,</b> <i>The role of cytology in the diagnosis of fluid collection syndromes associated with liver cirrhosis. Clinical, epidemiological, cytological and biochemical study of pleural effusion .....</i>	989
<b>ALINA BÄDESCU, CLAUDIA VALENTINA GEORGESCU, C. C. VERE, ȘTEFANIA CRÄIȚOIU,</b> <b>DIANA GRIGORE,</b> <i>Correlations between Her2 oncoprotein, VEGF expression, MVD and clinicopathological parameters in gastric cancer .....</i>	997
<b>RAMONA CÄTANÄ, ADELA BOILÄ, ANGELA BORDA,</b> <i>Thyroid cancer profile in Mures County (Romania): a 20 years study .....</i>	1007
<b>SUNITA ARVIND ATHAVALE,</b> <i>Deciphering caudal embryonic defects: embryological analysis and reviewing literature data .....</i>	1013
<b>M. C. MARINAŞ, D. G. MOGOŞ, CRISTIANA EUGENIA SIMIONESCU, A. STEPAN, FLORENTINA TÄNASE,</b> <i>The study of p53 and p16 immunoexpression in serous borderline and malignant ovarian tumors .....</i>	1021
<b>FLORINA CARMEN POPESCU, G. D. MOGOŞANU, CRISTINA JANA BUSUIOC, H. PÄRVÄNESCU,</b> <b>I. LASCÄR, L. MOGOANTÄ,</b> <i>Macrophage response in experimental third-degree skin burns treated with allograft. Histological and immunohistochemical study .....</i>	1027
<b>OFELIA JERCAN, M. PENESCU, D. GH. MÄLÄESCU,</b> <i>Immunoexpression of alpha-SMA and CD68 in native kidney biopsies .....</i>	1037
<b>ANDREEA-LORENA ENACHE, ANCA-ȘTEFANIA SLUJITORU, IRINA LAVINIA PINTEA,</b> <b>CRISTINA MARIANA STOCHECI, GAROFIȚA OLIVIA MATEESCU, IRINA GHEORGHIȘOR,</b> <i>Histological and immunohistochemical aspects of cerebral vessels of the elderly .....</i>	1043
<b>T. KUTOGLU, M. TURUT, N. KOCABIYIK, H. OZAN, M. YILDIRIM,</b> <i>Anatomical analysis of azygos vein system in human cadavers .....</i>	1051
<b>D. ȘALPLAHTA, MARIA VICTORIA COMÄNESCU, F. ANGHELINA, ELENA IONIȚÄ,</b> <b>CARMEN AURELIA MOGOANTÄ, LILIANA ANGHELINA,</b> <i>Non-Hodgkin lymphomas of Waldeyer's ring .....</i>	1057
<b>CRISTINA JANA BUSUIOC, FLORINA CARMEN POPESCU, G. D. MOGOŞANU, H. PÄRVÄNESCU,</b> <b>LILIANA STREBA, L. MOGOANTÄ,</b> <i>Histological and immunohistochemical study of cutaneous angiogenesis process in experimental third-degree skin burns treated with allograft .....</i>	1061

## CASE REPORTS

<b>M. POPESCU, VIOLA POPOV, G. POPESCU, CAMELIA DOBREA, AURELIA SANDU, V. T. GRIGOREAN,</b> <b>V. STRÄMBU,</b> <i>Spinal involvement with spinal cord compression syndrome in hematological diseases .....</i>	1069
<b>IONELA ROTARU, G. GÄMAN, DANIELA DUMITRESCU, CAMELIA FOARFÄ,</b> <i>Secondary plasma cell leukemia .....</i>	1073
<b>C. SOLOVAN, ELENA CHITICARIU, DOINA BEINSAN, SABINA ZURAC, FLAVIA BADERCA,</b> <i>Multiple disseminated glomuvenous malformations: do we know enough? .....</i>	1077

---

<b>LUMINIȚA STĂNCIULESCU, OANA VERMEȘAN, IOANA GRINȚESCU, V. ENACHE, C. CREANGĂ, D. SLĂVESCU, D. ZAMFIRESCU, I. LASCĂR,</b> <i>A rare case of basaloid squamous cell carcinoma of the maxilla .....</i>	1081
<b>S. A. PETRUȚIU, PETRONELA BUGA, ALEXANDRA ROMAN, THEODORA DANCIU, CARMEN MIHAELA MIHU, D. MIHU,</b> <i>Degenerative alterations of the cementum–periodontal ligament complex and early tooth loss in a young patient with periodontal disease .....</i>	1087
<b>MANUELA ENCIU, MARIANA AȘCHIE, MĂDĂLINA BOȘOTEANU, ANCA CHISOI,</b> <i>Atypical adenomatous hyperplasia of the prostate mimicking adenocarcinoma lesion: case report and literature review .....</i>	1093
<b>ANCA SAVA, CRISTINA FURNICĂ, T. PETREUŞ, RALUCA OZANA CHISTOL, A. G. M. MOTOC,</b> <i>Trigeminal nerve: MRI anatomy and case presentation of trigeminal neuralgia due to arterial compression .....</i>	1097
<b>CARMEN SAVU, C. SURCEL, C. MIRVALD, C. GÎNGU, MONICA HORTOPAN, I. SINESCU,</b> <i>Atypical primary tuberculosis mimicking an advanced penile cancer. Can we rely on preoperative assessment? .....</i>	1103
<b>AURELIA MAGDALENA ENACHE, I. NICOLESCU, CARMEN ELENA GEORGESCU,</b> <i>Mandibular second molar impaction treatment using skeletal anchorage .....</i>	1107
<b>Guide for authors .....</b>	<b>1111</b>

---