

Volume 58 Number 2, 2017
(new series)

ROMANIAN JOURNAL
OF
MORPHOLOGY AND EMBRYOLOGY



ROMANIAN ACADEMY PUBLISHING HOUSE

© 2017 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 Petru Rareș Street, 200349 Craiova, Romania; Phone/Fax +40351-461 458, e-mails: 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, Romania*, 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

2016 Journal Citation Reports Science Edition
(Clarivate Analytics, available June 14, 2017):

- Impact Factor: 0.670;
- 5-Year Impact Factor: 0.744;
- Article Influence Score: 0.132.

Web of Science – Science Citation Index Expanded

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



< <http://www.ncbi.nlm.nih.gov/nlmcatalog/9112454> >

< http://files.sciverse.com/documents/xlsx/title_list.xlsx >



< https://www.elsevier.com/_data/assets/excel_doc/0005/188807/4658-Embase-Journal-List-overview-May-2017.xlsx >



< <http://www.scimagojr.com/journalsearch.php?q=83472&tip=sid&clean=0> >



< <http://jml2012.indexcopernicus.com/Romanian+Journal+of+Morphology+and+Embryology.p607.3.html> >



< <https://uefiscdi.ro/preview.php?id=2720&wtok=98c917f5861be6f40d1ae2b9c2fb95e40cdea689&wtkps=XY5LCKlxDEX3krFgkn5N9/AQXEFrX6EolR4A3HvtUgQqv3nnNJFCvPJkZqe1yuDUIVslYrzaGJEmg1w7hYIBU8o6Xi15Towl605ZksznHGEscHAIU+JhENBMnkPP9djztlUP27NH4UXBnv8mONHmFjB6nZaa1/DmEfffH7H9tK4QlvN4=&wchk=e6f3ce120be23e98a80e22b0f939b5df4d746230> >

ROMANIAN JOURNAL
OF
MORPHOLOGY AND EMBRYOLOGY

(Journal of the Romanian Society of Morphology)

Volume 58 Number 2, 2017, pp. 315–708

(new series)

CONTENTS

REVIEWS

- MARIA ȘOROP-FLOREA, RALUCA NICULINA CIUREA, MIHAI IOANA, ALEX EMILIAN STEPAN, GEORGE ALIN STOICA, FLORENTINA TĂNASE, MARIA CRISTINA COMĂNESCU, MARIUS-BOGDAN NOVAC, IOANA DRĂGAN, CIPRIAN LAURENȚIU PĂTRU, ROXANA CRISTINA DRĂGUȘIN, GEORGE LUCIAN ZORILĂ, OVIDIU MARIAN CĂRBUNARU, NUȚI DANIELA OPRESCU, IULIANA CEAUȘU, SIMONA VLĂDĂREANU, ȘTEFANIA TUDORACHE, DOMINIC GABRIEL ILIESCU,**
The importance of perinatal autopsy. Review of the literature and series of cases 323
- BOGDAN STELIAN MASTALIER MANOLESCU, CRISTIANA GABRIELA POPP, VALENTIN POPESCU, DAN ANDRAȘ, SABINA ANDRADA ZURAC, COSTIN BERCEANU, AIDA TINCUȚA PETCA,**
Novel perspectives on gastrointestinal stromal tumors (GISTs) 339
- KYRILLUS SAMAN SHOHDY, WEGDAN ALY RASHAD, MOHAMED KHALID FARGOUN, PHILLIPPE URBAN,**
The morphogen behind primary congenital glaucoma and the dream of targeting 351
- ELENA ȘAPTE, CLAUDIA FLORIDA COSTEA, ALEXANDRU CĂRĂULEANU, CRISTINA DANCĂ, GABRIELA FLORENȚA DUMITRESCU, GABRIELA DIMITRIU, MĂDĂLINA ADRIANA CHIHAIA, CĂTĂLIN MIHAI BUZDUGĂ, ANDREI CUCU, MIHAELA DANA TURLIUC,**
Histological, immunohistochemical and clinical considerations on amniotic membrane transplant for ocular surface reconstruction 363
- OANA ANDREEA BELEI, ELENA RODICA HEREDEA, ESTERA BOERIU, TAMARA MARCELA MARCOVICI, SIMONA CERBU, OTILIA MĂRGINEAN, EMIL RADU IACOB, DANIELA IACOB, ANDREI GHEORGHE MARIUS MOTOC, EUGEN SORIN BOIA,**
Verner–Morrison syndrome. Literature review 371
- SORIN HOSTIUC, MUGUREL CONSTANTIN RUSU, VASILE SORIN MĂNOIU, ALEXANDRA DIANA VRAPCIU, IONUȚ NEGOI, MARIA VIORELA POPESCU,**
Usefulness of ultrastructure studies for the estimation of the postmortem interval. A systematic review 377
- FLOAREA MIMI NIȚU, MIHAI OLTEANU, COSTIN TEODOR STREBA, GABRIELA JIMBOREAN, PARASCHIVA POSTOLACHE, MILENA ADINA MAN, ANTIGONA-CARMEN TROFOR, ROXANA MARIA NEMEȘ, LIVIA DRAGONU, MĂDĂLINA OLTEANU,**
Tuberculosis and its particularities in Romania and worldwide 385
-

ORIGINAL PAPERS

OANA ILONA DAVID, CORINA-VERONICA LUPAȘCU-URSULESCU, CRISTIAN-DUMITRU LUPAȘCU, AURELIA MIHAELA SANDU, VICTOR DAN EUGEN STRÂMBU, DANIEL ALIN CRISTIAN, ȘTEFAN-IULIAN BEDEREAG, IRINA ALEXANDRA CALANGEA, ELENA-VIOLETA RADU, IONUȚ-SIMION COMAN, VLAD ANDREI POROJAN, VALENTIN-TITUS GRIGOREAN, <i>Histopathological diagnosis and its correlations with anatomoclinical features, surgical approach and postoperative prognosis in sacral tumors</i>	393
ȘTEFAN-CRISTIAN DINESCU, MIRCEA-CĂTĂLIN FORTOFOIU, ANA-MARIA BUMBEA, PAULINA-LUCIA CIUREA, CRISTINA JANA BUSUIOC, ANCA-EMANUELA MUȘETESCU, <i>Histopathological and immunohistochemical profile in primary Sjögren's syndrome</i>	409
IOANNIS ASTERIOS MAVROUDIS, FOIVOS PETRIDES, MARINA MANANI, FOTIOS CHATZINIKOLAOU, ALIN STELIAN CIOBICĂ, MANUELA PĂDURARIU, DIMITRIOS KAZIS, SAMUEL NDUGU NJAU, VASILIKI GEORGE COSTA, STAVROS JOHN BALOYANNIS, <i>Purkinje cells pathology in schizophrenia. A morphometric approach</i>	419
RĂZVAN MERCUȚ, SANDY DAST, MARIUS EUGEN CIUREA, CLAUDIU MĂRGĂRITESCU, FLORIN DAN POPESCU, HORIA OCTAVIAN MANOLEA, MONICA SCRIECIU, ȘTEFAN MUGUREL GHELASE, <i>Histopathological aspects of some rare forms of facial basal cell carcinoma</i>	425
LAVINIA-CRISTINA MOLERIU, IOAN SAS, ADRIAN CLAUDIU RAȚIU, MĂDĂLIN-MARIUS MARGAN, CRISTINA-ANAMARIA SECOȘAN, RĂZVAN-ȘTEFAN ILINA, FLORIN-GEORGE HORHAT, LOREDANA GABRIELA STANA, DORIN GRIGORAȘ, LAURENȚIU CORNEL PIRTEA, <i>HPV genotyping and p16/Ki-67 dual staining in the detection of high-grade cervical lesion in patients with LSIL on Pap smear</i>	433
DELIA CIOBANU APOSTOL, IRINA-DRAGA CĂRUNTU, LUDMILA LOZNEANU, ELENA CORINA ANDRIESCU, SIMONA ELIZA GIUȘCĂ, <i>HER-2/neu expression in different histological subtypes of papillary thyroid carcinoma</i>	439
CORINA ELENA MIHALCEA, ANA-MARIA MOROȘANU, DANIELA MURĂRAȘU, LILIANA PUIU, SABIN-AUREL CINCA, SILVIU CRISTIAN VOINEA, NICOLAE MIRANCEA, <i>Molecular analysis of BRCA1 and BRCA2 genes by next generation sequencing and ultra-structural aspects of breast tumor tissue</i>	445
ION MÎNDRILĂ, SANDRA ALICE BUTEICĂ, DAN EDUARD MIHAIESCU, FLORIN BURADA, BOGDAN MÎNDRILĂ, MARIA CRISTINA PREDOI, IONICA PIRICI, ADRIAN FUDULU, OCTAVIAN CROITORU, <i>Magnetic nanoparticles-based therapy for malignant mesothelioma</i>	457
RODICA-ANA UNGUR, ADRIAN FLOREA, ALEXANDRU-FLAVIU TĂBĂRAN, IULIU-CĂLIN SCURTU, IOAN ONAC, ILEANA MONICA BORDA, LÁSZLÓ IRSAY, VIORELA MIHAELA CIORTEA, ELEONORA DRONCA, MIHNEA TUDOR ZDRENGHEA, ȘOIMIȚA MIHAELA SUCIU, <i>Chondroprotective effects of pulsed shortwave therapy in rabbits with experimental osteoarthritis</i>	465
ELENA-ANCA TÂRTEA, CRISTINA FLORESCU, IONUȚ DONOIU, DANIEL PIRICI, ALEXANDRU RADU MIHAILOVICI, VALERIA-CARMEN ALBU, TUDOR-ADRIAN BĂLȘEANU, MARIA IANCĂU, CARMEN-DANIELA BADEA, CRISTIN CONSTANTIN VERE, VERONICA SFREDEL, <i>Implications of inflammation and remodeling of the enteric glial cells in colorectal adenocarcinoma</i>	473
ELENA IRINA CĂLUIANU, DRAGOȘ OVIDIU ALEXANDRU, ELENA-ANCA TÂRTEA, MARIUS GEORGESCU, DORIN MERCUȚ, EMIL TIBERIUS TRĂȘCĂ, MARIA IANCĂU, <i>Assessment of T- and B-lymphocytes and VEGF-A in acute pancreatitis</i>	481
ALEXANDRU ANDREI ILIESCU, SABINA ANDRADA ZURAC, VASILE NICOLAE, MIHAELA GEORGIANA ILIESCU, PAULA PERLEA, <i>Associated lesions of peri-implant mucosa in immediate versus delayed loading of dental implants</i>	487
ALINA IREN MORARU, LELIA MIHAELA GHEORGHÎȚĂ, IONELA TEODORA DASCĂLU, MARILENA BĂTĂIOSU, HORIA OCTAVIAN MANOLEA, DORIANA AGOP FORNA, ANA MARIA RĂCĂ, CRISTIAN ADRIAN RAȚIU, OANA ANDREEA DIACONU, <i>Histological and immunohistochemical study on the dental pulp of patients with diabetes mellitus</i>	493

SANDA MIHAELA POPESCU, OANA ANDREEA DIACONU, MONICA SCRIECIU, IULIA ROXANA MARINESCU, EMMA CRISTINA DRĂGHICI, ANCA GABRIELA TRUȘCĂ, ALEXANDRA CARINA BĂNICĂ, MIHAELA VĂTU, VERONICA MERCUȚ, <i>Root fractures: epidemiological, clinical and radiographic aspects</i>	501
CRISTINA ELENA ZBÂRCEA, IONUȚ COSMIN CIOTU, VERONICA BILD, CORNEL CHIRIȚĂ, ALEXANDRA MIHAELA TĂNASE, OANA CRISTINA ȘEREMET, EMIL ȘTEFĂNESCU, ANDREEA LETIȚIA ARSENE, ALEXANDRA EUGENIA BASTIAN, FLORIANA ELVIRA IONICĂ, SIMONA NEGREȘ, <i>Therapeutic potential of certain drug combinations on paclitaxel-induced peripheral neuropathy in rats</i>	507
QIU XIA ZHANG, QUAN NA, WEIWEI SONG, <i>Altered expression of mTOR and autophagy in term normal human placentas</i>	517
WA ZHONG, YU LAI, TAO YU, ZHONG-SHENG XIA, YU-HONG YUAN, HUI OUYANG, TI-DONG SHAN, QI-KUI CHEN, <i>Wnt and Nodal signaling simultaneously induces definitive endoderm differentiation of mouse embryonic stem cells</i>	527
CLAUDIA FLORIDA COSTEA, GABRIELA FLORENȚA DUMITRESCU, MIHAELA DANA TURLIUC, GABRIELA DIMITRIU, MĂDĂLINA ADRIANA CHIHAI, LUCIA INDREI, NICOLETA DUMITRESCU, ANDREI CUCU, ALEXANDRU CĂRĂULEANU, CRISTINA MARIA GAVRILESCU, IRINA IULIANA COSTACHE, <i>A 16-year retrospective study of dacryocystitis in adult patients in the Moldavia Region, Romania</i>	537
CASE REPORTS	
DANA-MARIA ALBULESCU, NINA IONOVICI, HORAȚIU-REMUS MOLDOVAN, ALIN-DRAGOȘ DEMETRIAN, VIOLETA-SERENADA BĂLĂ, CRISTIAN CONSTANTIN, ANA-MARIA BUMBEA, CAMELIA PĂNUȘ, VALERIA-CARMEN ALBU, <i>Muscle metastases from cervical carcinoma – case report</i>	545
OCTAVIAN MARIUS CREȚU, EMIL FLORIN HUT, RADU GHEORGHE DAN, MIHNEA MUNTEANU, BOGDAN DAN TOTOLICI, OCTAVIAN AUREL ANDERCOU, <i>Replaced common hepatic artery originating from the superior mesenteric artery and pre-pancreatic, anterior course in a patient with cephalic pancreaticoduodenectomy – case report</i> ...	553
VITORINO MODESTO DOS SANTOS, VIVIANE VIEIRA PASSINI SOARES, PRISCILLA SOUZA DE FARIA, FRANCISCA GERMANYA MORAIS BORGES VIANA, MAYZA LEMES DUARTE, <i>A 52-year-old man with gouty arthritis and erosive lesion in the hip</i>	557
TIBERIU-AUGUSTIN GEORGESCU, ANA MARIA OPROIU, MIHAI GEORGE RĂDĂȘAN, ADRIAN VASILE DUMITRU, DIANA COSTACHE, OANA MARIA PĂTRAȘCU, ANCA MIHAELA LĂZĂROIU, ALINA ELENA CHEFANI, MARIA SAJIN, MARIANA COSTACHE, <i>Keratoacanthoma centrifugum marginatum: an unusual clinical and histopathological diagnostic pitfall</i>	561
IOANA ANDREEA GHEONEA, CRISTIANA GABRIELA POPP, ELENA TATIANA IVAN, DAN IONUȚ GHEONEA, <i>Unusual triple combination of prostate, lung and skin cancer</i>	567
BOGDAN VASILE MICU, OCTAVIAN AUREL ANDERCOU, CARMEN MARIA MICU, VALENTIN MILITARU, IONUȚ ISAIA JEICAN, CĂTĂLINA ILEANA BUNGĂRDEAN, STELIAN ȘTEFĂNIȚĂ MOGOANTĂ, DAN RADU MICLĂUȘ, TUDOR RADU POP, <i>Spontaneous cholecystocutaneous fistula as a primary manifestation of gallbladder adenocarcinoma associated with gallbladder lithiasis – case report</i>	575
MIRCEA-IONUȚ GHEORGHÎĂ, MIRCEA-CĂTĂLIN FORȚOFOIU, CRISTIANA IULIA DUMITRESCU, DANIELA DUMITRESCU, ADRIAN CAMEN, CLAUDIU MĂRGĂRITESCU, <i>Intramuscular human <i>Dirofilaria repens</i> infection of the temporal region – case report and review of the literature</i>	585
RODICA MARINESCU, VASILE IULIAN ANTONIAC, DAN IOAN STOIA, DAN CONSTANTIN LĂPTOIU, <i>Clavicle anatomical osteosynthesis plate breakage – failure analysis report based on patient morphological parameters</i>	593

ANGEL FERNANDEZ-FLORES, JOSÉ ANTONIO MANJÓN, <i>Sebaceoma associated with seborrheic keratosis</i>	599
TIBERIU PAUL NEAGU, RUXANDRA-DIANA SINESCU, VALENTIN ENACHE, SANDA CLAUDIA ACHIM, MIRELA ȚIGLIȘ, LILIANA ELENA MIREA, <i>Metastatic high-grade myxofibrosarcoma: review of a clinical case</i>	603
COSMIN VASILE OBLEAGĂ, CRISTIN CONSTANTIN VERE, ANA MARIA PĂTRAȘCU, EMIL MORARU, ANTOANELA VALENTINA CRAFTCIUC, MARIA CAMELIA FOARFĂ, STELIAN ȘTEFĂNIȚĂ MOGOANTĂ, COSTIN TEODOR STREBA, SIMONA BONDARI, ȘTEFAN PAITICI, CECIL SORIN MIREA, IONICĂ DANIEL VÎLCEA, <i>Severe upper gastrointestinal bleeding determined by a gastric lymphoma associated with Helicobacter pylori-positive atrophic gastritis</i>	611
AIDA TINCUȚA PETCA, SIMONA VLĂDĂREANU, DAN-CRISTIAN RADU, MIHAELA BOT, COSTIN BERCEANU, BOGDAN STELIAN MASTALIER MANOLESCU, COSMIN MEDAR, RĂZVAN-COSMIN PETCA, <i>Morphological, imaging and surgical aspects in a complex case of uterine leiomyosarcoma – case report and review of the literature</i>	619
MILENA ADINA MAN, SORIN CLAUDIU MAN, NICOLETA ȘTEFANIA MOTOC, CARMEN MONICA POP, ANTIGONA-CARMEN TROFOR, <i>Fatal hypersensitivity pneumonitis after chemical occupational exposure</i>	627
LILIANA COLDEA, ALINA LILIANA PINTEA, ADRIAN LAURENȚIU STUPARIU, CARMEN CORINA ROMAN-FILIP, FLORIN GROSU, <i>Giant abdominal lipofibroma – case presentation</i>	635
ANDREI IONUȚ COSTIN, ION PĂUN, MARIANA PĂUN, VLAD DENIS CONSTANTIN, FLORE VÂRCUȘ, <i>Primary neuroendocrine tumors – an extremely rare cause of obstruction of extrahepatic bile ducts: a case report</i>	641
ANCA ANGELA SIMIONESCU, CLAUDIA VALENTINA GEORGESCU, MIRELA-CORINA GHILUȘI, SABRINA IOANA STOICA, MIRCEA DRAGOȘ MEDIAN, <i>Advanced metastatic breast cancer in pregnancy: the imperative of physical breast examination in pregnancy</i>	645
DANIEL VAL, JOSÉ-FERNANDO VAL-BERNAL, <i>Apocrine hidrocystoma of the foreskin. A case report and review of the literature</i>	651
ANDRZEJ WINCEWICZ, ARTUR KOWALIK, SEBASTIAN ZIĘBA, STANISŁAW SUŁKOWSKI, STANISŁAW GÓZDŹ, <i>Morphology with immunohistochemical and genetic profiling of high-grade neuroendocrine carcinoma of colon – a case report with review of literature</i>	655
NICOLAE CĂTĂLIN HRENIUC, CARMEN NEAMȚU, MIRCEA FLORIN SFERDIAN, CRISTINA GEORGIANA GHIB PARA, CRIS VIRGILIU PRECUP, IOAN IOIART, <i>Clinical manifestations and morphological changes in one case with post-stroke Klüver–Bucy syndrome</i>	665
RALUCA MARIA MUNTEANU, LUCIAN EVA, BOGDAN IONUȚ DOBROVĂȚ, ALIN CONSTANTIN IORDACHE, LIVIU PENDEFUNDA, NICOLETA DUMITRESCU, DOINA MIHĂILĂ, CRISTINA MARIA GAVRILESCU, ELENA ȘAPTE, ION POEATĂ, <i>Longer survival of a patient with glioblastoma resected with 5-aminolevulinic acid (5-ALA)-guided surgery and foreign body reaction to polyglycolic acid (PGA) suture</i>	671
SIMONA DUMITRA, LUMINIȚA PILAT, ALINA IFTODE, OZANA-NICOLETA BĂLAN, CARMEN-RAMONA STĂNCULEȚ, ELENA-CLAUDIA COVACI, ALEXANDRU FICA MIRCEA ONEL, CARMEN NICOLETA CRIȘAN, <i>Post-medication Stevens–Johnson syndrome in a girl hospitalized for a norovirus and rotavirus infection</i>	681
MARIANA JINGA, DANIEL VASILE BALABAN, ILEANA PERIDE, ANDREI NICULAE, IRINA MONICA DUȚESCU, FLORINA VASILESCU, MARKKU MÄKI, ALINA MIHAELA POPP, <i>Crypt hyperplastic enteropathy in distal duodenum in Helicobacter pylori infection – report of two cases without evidence of celiac disease</i>	685
IOAN CRISTIAN STOICA, DOINA MIHAELA POP, FLORIN GROSU, <i>Unicameral bone cyst of the calcaneus – minimally invasive endoscopic surgical treatment. Case report</i>	689

BIOMEDICAL RESEARCH ETHICS

MARIA ALUAŞ, CLAUDIA DIANA GHERMAN, CRISTIANA IULIA DUMITRESCU,
Is the human embryo legally defined and protected? Causes and consequences 695

LETTER TO THE EDITOR

BEUY JOOB, VIROJ WIWANITKIT,
Medical students and plagiarism 701

Guide for authors 703