

Abstracts
of the
Annual Meeting
of the
Iuliu Hațieganu University of Medicine and Pharmacy
Cluj-Napoca
21-25 November 2016

Editors: Diana Dudea, Cristina Iuga, Dana Pop

The authors have the responsibility for the content of these paper abstracts

Editor

Dan L. Dumitraşcu

Editorial office

Mihaela Băciuț
Cristian Bârsu
Simona Clichici
Horațiu Colosi
Ofelia Crișan
Daniela Fodor
Daniel Leucuța
Ioana Robu

Editorial board

Monica Acalovschi (Cluj-Napoca)
Andrei Achimaș (Cluj-Napoca)
Doina Azoicăi (Iași)
Radu Badea (Cluj-Napoca)
Grigore Băciuț (Cluj-Napoca)
Ioana Berindan-Neagoe
(Cluj-Napoca)
Marius Bojiță (Cluj-Napoca)
Ion I. Bruckner (București)
Anca Buzoianu (Cluj-Napoca)
Radu Câmpeanu (Cluj-Napoca)
Constantin Ciuce (Cluj-Napoca)
Mihai Coculescu (București)
Douglas Drossman (Chapel Hill)
Sorin Dudea (Cluj-Napoca)
Dorin Farcău (Cluj-Napoca)
Ion Fulga (București)
Jean-Paul Galmiche (Nantes)
Alexandru Georgescu
(Cluj-Napoca)
Liana Gheorghe (București)
Mircea Grigorescu (Cluj-Napoca)
Anca Grosu (Freiburg)
Waseem TY Hamoudi (Amman)
Nicolae Hâncu (Cluj-Napoca)
Laszlo Herszenyi (Budapest)
Mihai Ionac (Timișoara)
Alexandru Irimie (Cluj-Napoca)
Nikolai Lazarov (Sofia)
Sorin Leucuța (Cluj-Napoca)
Felicia Loghin (Cluj-Napoca)
Mihai Lucan (Cluj-Napoca)
Sorin Man (Cluj-Napoca)
Peter Manu (New York)
Traian Mihăescu (Iași)
Petru Mircea (Cluj-Napoca)
Adriana Mureșan (Cluj-Napoca)
Dafin Mureșanu (Cluj-Napoca)
Laurențiu Nedelcu (Brașov)

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016

p-ISSN 1222-2119, e-ISSN 2066-8872

CONTENTS

MEDICINE

Basic Sciences

- Heart rate variability as an indicator of sympatho-vagal balance in chronic diseases
ȘTEFAN-CLAUDIU MIRESCU, CAMELIA-SIDONIA LAZĂR,
ALINA-SIMONA ȘOVREA, CORNELIU TARBA, LEONTIN DAVID.....S21
- Dexpanthenol influence on experimental tests of analgesia
DANA GOSA, MARIA NEAG, RUXANDRA SCHIOTIS,
MONICA BORCOMAN, ANCA DANA BUZOIANU.....S22
- Genetic association of ADIPOQ 276G>T gene variant with type 2 diabetes
mellitus and diabetic nonproliferative retinopathy: a case-control study.
CASIAN-SIMON AIOANEI, ROXANA-FLAVIA ILIES, RADU ANGHEL POPP,
CORNELIA BALA, MIHAI DUMITRU POROJAN, ANDREEA CĂTANĂ.....S23
- An evaluation of android free evidence-based medical application
ROXANA-DENISA CAPRAȘ, SORANA D. BOLBOACĂ.....S24
- Social media and health-related information: surveys development and validation
ARIANA-ANAMARIA CORDOȘ, ROXANA-DENISA CAPRAȘ,
SORANA D. BOLBOACĂ.....S25
- Romanian medical doctors' opinions about the use of phytotherapeutic products
in stress
RAMONA-NICULINA JURCĂU, IOANA-MARIETA JURCĂU.....S26
- CYP2C9 and CYP2C19 polymorphisms and risk of NSAIDs-induced upper
gastrointestinal bleeding
PAUL-MIHAI BOARESCU, IOANA CHIRILĂ, DANA MATEI, RALUCA POP,
IOANA CORINA BOCȘAN.....S27
- Ethnic diversity and multiculturalism in the Cluj School of Medicine
CRISTIAN BÂRSU.....S28
- Influence of a Valeriana Officinalis product on subjects undergoing noise stress
RAMONA-NICULINA JURCĂU, IOANA-MARIETA JURCĂU.....S29

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016
p-ISSN 1222-2119, e-ISSN 2066-8872

Influence of phytotherapeutic product containing Schisandra chinensis on mental and physical stress
RAMONA-NICULINA JURCĂU, IOANA-MARIETA JURCĂU.....S30

Influence of pleasant versus unpleasant music and film association on physical stress
RAMONA-NICULINA JURCĂU, IOANA-MARIETA JURCĂU.....S31

Ethical and legal issues concerning surrogate mothers in the Romanian legal and medical context
MARIA ALUAS.....S32

Chitotriozidase as a marker for Critical Limb Ischemia: a pilot study
RĂZVAN ALEXANDRU CIOCAN, SORANA DANIELA BOLBOACĂ,
CLAUDIA DIANA GHERMAN, ANDRA CIOCAN, CRISTINA DRUGAN.....S33

High-frequency sonography in evaluating nail changes in patients with psoriasis vulgaris
MIHAELA JIANU, IOANA MOLDOVAN, ANDREI CONEAC,
BIANCA BOSCA, ANNE MARIE CONSTANTIN, SERGIU SUSMAN,
MARIANA MARGINEAN, CARMEN MELINCOVICI, ALINA SOVREA,
MARIA CRISAN, CARMEN MIHU.....S34

Medical Sciences

Effects of carbonated mineral water treatment in chronic obliterative arterial disease - a case report
GABRIELA DOGARU, IOANA STĂNESCU, MARIETA MOTRICALĂ,
MOLNÁR ÁKOS.....S35

HIV-tuberculosis – the world’s most deadly duo. Case report – follow up
ANA CHIS, BIANCA DOMOKOS, MONICA POP.....S36

Spontaneous carotid- cavernous sinus fistula – Case report
NICOLETA JEMNA, OLIVIA ROȘU, OVIDIU CRISTIAN ISIP, OANA ANGELA
TINCĂU, OANA CRUCEANU, ALINA VASILICA BLESNEAG,
DAFIN FIOR MUREȘANU.....S37

Partial epileptic seizures: a diagnostic clue for brain tumors
I. CHIRILĂ, M. BACIU, O. ROSU, A. V. BLESNEAG, D. F. MURESAN.....S38

Editorial board

Radu Oprean (Cluj-Napoca)
Virgil Păunescu (Timișoara)
Luminița Pleșca-Manea
(Cluj-Napoca)
Aurel Popa-Wagner (Greifswald)
Mihai Popescu (București)
Paul J. Porr (Sibiu)
Piero Portincasa (Bari)
Vlaicu Sandor (Cluj-Napoca)
Adrian Săftoiu (Craiova)
Nadia Schmidt (Cluj-Napoca)
Florin Stamatian (Cluj-Napoca)
Luminița Stanciu (Londra)
Alin Șerbănescu (Cluj-Napoca)
Ioan Florian Ștefan (Cluj-Napoca)
Radu Tutuiian (Zürich)

Editorial secretary

Dorina Sorcoi

Desktop publishing

Mihai Ioan Lazăr

”Clujul Medical”

Journal’s Office

Str. Moților, nr. 33
400609 Cluj-Napoca, România
Tel/fax: 00-40-264-596086

E-mail

clujulmedical@umfcluj.ro

Site

www.clujulmedical.umfcluj.ro

Indexed

SCIPPO
EBSCO
Index Copernicus
getCited
JournalSeek
Open Access Directory

Printing house

UMF “Iuliu Hațieganu”
Cluj-Napoca

Editor

Dan L. Dumitraşcu

Editorial office

Mihaela Băciuş
 Cristian Bârsu
 Simona Clichici
 Horaţiu Colosi
 Ofelia Crişan
 Daniela Fodor
 Daniel Leucuţa
 Ioana Robu

Editorial board

Monica Acalovschi (Cluj-Napoca)
 Andrei Achimaş (Cluj-Napoca)
 Doina Azoicăi (Iaşi)
 Radu Badea (Cluj-Napoca)
 Grigore Băciuş (Cluj-Napoca)
 Ioana Berindan-Neagoe
 (Cluj-Napoca)
 Marius Bojiţă (Cluj-Napoca)
 Ion I. Bruckner (Bucureşti)
 Anca Buzoianu (Cluj-Napoca)
 Radu Câmpeanu (Cluj-Napoca)
 Constantin Ciuce (Cluj-Napoca)
 Mihai Coculescu (Bucureşti)
 Douglas Drossman (Chapel Hill)
 Sorin Dudea (Cluj-Napoca)
 Dorin Farcău (Cluj-Napoca)
 Ion Fulga (Bucureşti)
 Jean-Paul Galmiche (Nantes)
 Alexandru Georgescu
 (Cluj-Napoca)
 Liana Gheorghe (Bucureşti)
 Mircea Grigorescu (Cluj-Napoca)
 Anca Grosu (Freiburg)
 Waseem TY Hamoudi (Amman)
 Nicolae Hâncu (Cluj-Napoca)
 Laszlo Herszenyi (Budapest)
 Mihai Ionac (Timişoara)
 Alexandru Irimie (Cluj-Napoca)
 Nikolai Lazarov (Sofia)
 Sorin Leucuţa (Cluj-Napoca)
 Felicia Loghin (Cluj-Napoca)
 Mihai Lucan (Cluj-Napoca)
 Sorin Man (Cluj-Napoca)
 Peter Manu (New York)
 Traian Mihăescu (Iaşi)
 Petru Mircea (Cluj-Napoca)
 Adriana Mureşan (Cluj-Napoca)
 Dafin Mureşanu (Cluj-Napoca)
 Laurenţiu Nedelcu (Braşov)

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016

p-ISSN 1222-2119, e-ISSN 2066-8872

-
- Difficulties in diagnosing non-specific encephalitis
 M. BACIU, I. CHIRILA, O. TINCAU, A. V. BLESNEAG, D. F. MURESAN.....S39
- The advantages of bolus advisor for automatic calculation of preprandial
 insulin requirements in patients with type 1 diabetes
 CAMELIA VONICA, ANA DUMITRASCU, DIANA MORARIU,
 GABRIELA ROMAN.....S40
- The influence of alcoholic hepatitis on the outcome of patients with liver
 cirrhosis and ascites
 ANDRÁS ORBÁN, ADINA M. DAVID, IOANA GROZA,
 DANA-ELEONORA NEGRUŢIU, DANIELA MATEI.....S41
- Smoking cessation national program – challenges of smoking cessation
 ANDREEA CODRUTA COMAN, BIANCA DOMOKOS-HANCU,
 RUXANDRA RAJNOVEANU, ANDREI LESAN, DOINA ADINA TODEA.....S42
- Experience of Sleep Laboratory from Cluj Napoca, regarding the risks
 and patterns of obstructive sleep apnea syndrome
 DOINA ADINA TODEA, BIANCA DOMOKOS-HANCU,
 RUXANDRA RAJNOVEANU, NICOLETA MOTOC,
 ANDREEA CODRUTA COMAN.....S43
- A severe case of deep venous thrombosis in a child with combined
 inherited thrombophilia
 ALEXANDRA NEAGA, CRISTINA BLAG, GHEORGHE POPA.....S44
- Left heart morphometry in newborn with intrauterine growth restriction
 MONICA G. HĂŞMĂŞANU, MELINDA BAIZAT, LIGIA BLAGA,
 MELINDA MATYAS, SORANA D. BOLBOACĂ, GABRIELA C. ZAHARIE.....S45
- Quality of life impairment and psychological impact of psoriasis
 ROXANA FLAVIA ILIES, ANDREEA NICOLETA BOCA, ADRIAN PATRONEA,
 ALEXANDRU TATARU.....S46
- A malignant pheochromocytoma in a child with von Hippel-Lindau mutation
 GHEORGHE POPA, CRISTINA BLAG, MADALINA BOTA, ADRIANA ZOLOG.....S47
- Insulin pump therapy – practical aspects
 DIANA MORARIU, ANA DUMITRASCU, BOGDAN APAN, CAMELIA VONICA,
 GABRIELA ROMAN.....S48
- Prognostic value of immunohistochemistry markers in pancreatic cancer patients
 VLAD-VASILE POP, RAREŞ BUIGA, CLAUDIA BURZ.....S49

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016
p-ISSN 1222-2119, e-ISSN 2066-8872

Solitary pulmonary nodule: the big problems of small things
NICOLETA ȘTEFANIA MOTOC, CARMEN MONICA POP,
CRISTINA POPLĂCEAN-MALITA.....S50

Glycemic and weight control in patients with type 2 diabetes treated with
exenatide LAR
BOGDAN-HORIA APAN, DIANA MORARIU, ANDREI GORON,
ȘTEFAN CRISTESCU, GABRIELA ROMAN.....S51

Evaluation of pain and depression in colorectal cancer patients
CLAUDIA BURZ, ANCA SALAJAN, POP VLAD.....S52

Outcome of catheter ablation for atrial fibrillation in the Rehabilitation Hospital
Cluj-Napoca
GABRIEL CISMARU, LUCIAN MURESAN, PUIU MIHAI, RADU ROSU,
GABRIEL GUSETU, HORATIU COMSA, BOGDAN CALOIAN,
SERBAN SCHIAIU, DUMITRU ZDRENGHEA, DANA POP.....S53

Ventricular tachycardia in a patient with old myocardial infarction: a case report
RADU ROSU, GABRIEL CISMARU, LUCIAN MURESAN, MIHAI PUIU,
GABRIEL GUSETU, ADINA ROSU, DANA POP, DUMITRU ZDRENGHEA.....S54

Evaluation of the patient with angina pectoris and normal coronary angiograms
CRISTINA VLAD, BOGDAN DUTU, MADALINA VALEANU.....S55

Blood selenium, magnesium and erythrocytic magnesium in diabetics
with non-alcoholic steato-hepatitis
L. D. RUSU, T. FRENTIU, C. MARUTOIU, MARGARETA RUSU, M. L. RUSU.....S56

Fulminant hepatic failure due to an unusual dual infection: a rare presentation
in the Emergency Department. A Romanian case report
EUGENIA-MARIA MUREȘAN, RALUCA TAT, SORIN MIHAI LĂCAN,
ADELA GOLEA.....S57

Internalized stigma in schizophrenia
OCTAVIA CAPATINA, IOANA MICLUTIA.....S58

Can the right ventricular diastolic function and the arterial pulmonary hypertension
in patients with end stage renal disease be improved by hemodialysis ?
D. RADULESCU, A. I. GROSU, ELENA BUZDUGAN,
MARIA RADULESCU, L. STOICESCU, B. CHIS.....S59

Editorial board

Radu Oprean (Cluj-Napoca)
Virgil Păunescu (Timișoara)
Luminița Pleșca-Manea
(Cluj-Napoca)
Aurel Popa-Wagner (Greifswald)
Mihai Popescu (București)
Paul J. Porr (Sibiu)
Piero Portincasa (Bari)
Vlaicu Sandor (Cluj-Napoca)
Adrian Săftoiu (Craiova)
Nadia Schmidt (Cluj-Napoca)
Florin Stamatian (Cluj-Napoca)
Luminița Stanciu (Londra)
Alin Șerbănescu (Cluj-Napoca)
Ioan Florian Ștefan (Cluj-Napoca)
Radu Tutuiian (Zürich)

Editorial secretary

Dorina Sorcoi

Desktop publishing

Mihai Ioan Lazăr

”Clujul Medical”

Journal’s Office

Str. Moților, nr. 33
400609 Cluj-Napoca, România
Tel/fax: 00-40-264-596086

E-mail

clujulmedical@umfcluj.ro

Site

www.clujulmedical.umfcluj.ro

Indexed

SCIPPIO
EBSCO
Index Copernicus
getCited
JournalSeek
Open Access Directory

Printing house

UMF “Iuliu Hațieganu”
Cluj-Napoca

Editor

Dan L. Dumitrașcu

Editorial office

Mihaela Băciuț
 Cristian Bârsu
 Simona Clichici
 Horațiu Colosi
 Ofelia Crișan
 Daniela Fodor
 Daniel Leucuța
 Ioana Robu

Editorial board

Monica Acalovschi (Cluj-Napoca)
 Andrei Achimaș (Cluj-Napoca)
 Doina Azoicăi (Iași)
 Radu Badea (Cluj-Napoca)
 Grigore Băciuț (Cluj-Napoca)
 Ioana Berindan-Neagoe (Cluj-Napoca)
 Marius Bojiță (Cluj-Napoca)
 Ion I. Bruckner (București)
 Anca Buzoianu (Cluj-Napoca)
 Radu Câmpeanu (Cluj-Napoca)
 Constantin Ciuce (Cluj-Napoca)
 Mihai Coculescu (București)
 Douglas Drossman (Chapel Hill)
 Sorin Dudea (Cluj-Napoca)
 Dorin Farcău (Cluj-Napoca)
 Ion Fulga (București)
 Jean-Paul Galmiche (Nantes)
 Alexandru Georgescu (Cluj-Napoca)
 Liana Gheorghe (București)
 Mircea Grigorescu (Cluj-Napoca)
 Anca Grosu (Freiburg)
 Waseem TY Hamoudi (Amman)
 Nicolae Hâncu (Cluj-Napoca)
 Laszlo Herszenyi (Budapest)
 Mihai Ionac (Timișoara)
 Alexandru Irimie (Cluj-Napoca)
 Nikolai Lazarov (Sofia)
 Sorin Leucuța (Cluj-Napoca)
 Felicia Loghin (Cluj-Napoca)
 Mihai Lucan (Cluj-Napoca)
 Sorin Man (Cluj-Napoca)
 Peter Manu (New York)
 Traian Mihăescu (Iași)
 Petru Mircea (Cluj-Napoca)
 Adriana Mureșan (Cluj-Napoca)
 Dafin Mureșanu (Cluj-Napoca)
 Laurențiu Nedelcu (Brașov)

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016

p-ISSN 1222-2119, e-ISSN 2066-8872

-
- Acute pulmonary hypertension after chemotherapy with paclitaxel and cisplatin.
 Could systemic capillary leak syndrome be the culprit?
 A. RUSU, A. I. GROSU, G. SIMU, M. RADULESCU, D. RADULESCU.....S60
- The correlation between serum thyroglobulin and circulating tumor cells
 in follicular thyroid carcinoma
 IULIAN CLAUDIU BADULESCU, NONA IONELA BEJINARIU,
 COSMIN IOAN LISENCU, GABRIELA CHERECHES4, OTILIA BARBOS,
 EDUARD ALEXANDRU BONCI, ELENA BARBUS, DOINA PICIU.....S61
- The analysis of the adjuvant biomarkers in the diagnosis of neonatal sepsis
 MELINDA BAIZAT, MONICA HASMASANU, MELINDA MATYAS,
 LUCIA PROCOPCIUC, GABRIELA ZAHARIE.....S62
- Respiratory distress management and outcome in premature neonates below 28
 weeks of gestation
 MELINDA MATYAS, VERONICA OBADĂ, MONICA HĂȘMĂȘANU,
 GABRIELA ZAHARIE.....S63
- Alcoholism and psychiatric comorbidities – A case report
 MARIA BONEA, IOANA MICLUTIA.....S64
- The metabolic and inflammatory syndromes in child and adolescent psychiatry
 ANDRA ISAC, VIOREL LUPU, IOANA MICLUTIA.....S65
- The one-year mortality prognosis in patients with acute myocardial infarction
 using serum Paraoxonase 1 activities
 LORENA CIUMĂRNEAN, MIRCEA MILACIU, DOREL SÂMPELEAN,
 VASILE NEGREAN, ALINA TANȚĂU, IOANA PARA, ȘTEFAN VESA.....S66
- Outcome of catheter ablation for ventricular premature contractions in the
 Rehabilitation Hospital Cluj-Napoca
 GABRIEL CISMARU, LUCIAN MURESAN, PUIU MIHAI, RADU ROSU,
 GABRIEL Gusetu, HORATIU COMSA, BOGDAN CALOIAN,
 SERBAN SCHIAU, DUMITRU ZDRENGHEA, DANA POP.....S67
- Familial factors involved in adolescent substance use disorders
 BIANCA POP, ANDRA ISAC.....S68
- Pericentric inversion of chromosome 9: an abnormal phenotype – case report
 CLAUDIA SIRBE, ADRIANA BUNGARDI, TUDOR LUCIAN POP.....S69

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016
p-ISSN 1222-2119, e-ISSN 2066-8872

The profile of new onset systolic heart failure in clinical Rehabilitation
Hospital Cluj-Napoca
GABRIEL GUȘETU, ELIA B. QUBAIN, GABRIEL CISMARU,
HORAȚIU COMȘA, RADU ROȘU, DUMITRU ZDRENGHEA, DANA POP.....S70

SVC Flow assesment in prematures under 32 weeks of gestation in the first 24
hours. Can we use it as a prognostic marker?
GABRIELA ZAHARIE, MELINDA MATYAS, LIGIA BLAGA,
TUDOR DRUGAN, DANIEL MURESAN, MONICA HASMASANU AND
ON BEHALF OF THE NEO-CIRC CONSORTIUM.....S71

Surgical Sciences

Voice-related quality of life and next generation of vocal assistive technologies
MAGDALENA CHIRILA, FLORINA VERONICA DINESCU, SILVIU MATU,
RADU SOFLAU, MIRCEA GIURGIU, ADRIANA STAN, DANIEL DAVID,
CRISTINA TIPLE.....S72

The association between interleukin-10 (IL-10) -592C/A, -819T/C, -1082G/A
promoter polymorphisms and endometriosis
ANDREI MIHAI MALUTAN, RAZVAN CIORTEA, CIPRIAN PORUMB,
RADU FLORIN MOCAN-HOGNOGI, DAN MIHU.....S73

Outcomes of meniscal repair in conjunction with ACL reconstruction
SERGIU CATEREV, DAN NISTOR, YOUSSEF KHALLOUKI,
MOHAMMED ZEJLY, NICOLAI BOTA, ADRIAN TODOR.....S74

Pars plana vitrectomy in the management of pseudophakic retinal detachment
SIMONA DELIA NICOARĂ, DIANA COLOJI, TEODORA ȚICHIL,
IOANA INȚE.....S75

The treatment of femoral neck fractures using bipolar endoprosthesis
CIPRIAN-ALIN BARDAS, DANIEL BLEDEA, HOREA BENEĂ,
TEODOR PATPAIAC, GHEORGHE TOMOAIĂ.....S76

The direct anterior approach in total hip arthroplasty. Is it a true muscle
sparing approach during the steep learning curve?
DAN VIOREL NISTOR, SERGIU CATEREV,
DAN OSVALD GHEORGHE LUCACIU, ADRIAN TODOR.....S77

Editorial board

Radu Oprean (Cluj-Napoca)
Virgil Păunescu (Timișoara)
Luminița Pleșca-Manea
(Cluj-Napoca)
Aurel Popa-Wagner (Greifswald)
Mihai Popescu (București)
Paul J. Porr (Sibiu)
Piero Portincasa (Bari)
Vlaicu Sandor (Cluj-Napoca)
Adrian Săftoiu (Craiova)
Nadia Schmidt (Cluj-Napoca)
Florin Stamatian (Cluj-Napoca)
Luminița Stanciu (Londra)
Alin Șerbănescu (Cluj-Napoca)
Ioan Florian Ștefan (Cluj-
Napoca)
Radu Tutuiian (Zürich)

Editorial secretary

Dorina Sorcoi

Desktop publishing

Mihai Ioan Lazăr

"Clujul Medical"

Journal's Office

Str. Moșilor, nr. 33
400609 Cluj-Napoca, România
Tel/fax: 00-40-264-596086

E-mail

clujulmedical@umfcluj.ro

Site

www.clujulmedical.umfcluj.ro

Indexed

SCIPPIO
EBSCO
Index Copernicus
getCited
JournalSeek
Open Access Directory

Printing house

UMF "Iuliu Hațieganu"
Cluj-Napoca

Editor

Dan L. Dumitrașcu

Editorial office

Mihaela Băciuț
Cristian Bârsu
Simona Clichici
Horațiu Colosi
Ofelia Crișan
Daniela Fodor
Daniel Leucuța
Ioana Robu

Editorial board

Monica Acalovschi (Cluj-Napoca)
Andrei Achimaș (Cluj-Napoca)
Doina Azoicăi (Iași)
Radu Badea (Cluj-Napoca)
Grigore Băciuț (Cluj-Napoca)
Ioana Berindan-Neagoe
(Cluj-Napoca)
Marius Bojiță (Cluj-Napoca)
Ion I. Bruckner (București)
Anca Buzoianu (Cluj-Napoca)
Radu Câmpănu (Cluj-Napoca)
Constantin Ciuce (Cluj-Napoca)
Mihai Coculescu (București)
Douglas Drossman (Chapel Hill)
Sorin Duda (Cluj-Napoca)
Dorin Farcău (Cluj-Napoca)
Ion Fulga (București)
Jean-Paul Galmiche (Nantes)
Alexandru Georgescu
(Cluj-Napoca)
Liana Gheorghe (București)
Mircea Grigorescu (Cluj-Napoca)
Anca Grosu (Freiburg)
Waseem TY Hamoudi (Amman)
Nicolae Hâncu (Cluj-Napoca)
Laszlo Herszenyi (Budapest)
Mihai Ionac (Timișoara)
Alexandru Irimie (Cluj-Napoca)
Nikolai Lazarov (Sofia)
Sorin Leucuța (Cluj-Napoca)
Felicia Loghin (Cluj-Napoca)
Mihai Lucan (Cluj-Napoca)
Sorin Man (Cluj-Napoca)
Peter Manu (New York)
Traian Mihăescu (Iași)
Petru Mircea (Cluj-Napoca)
Adriana Mureșan (Cluj-Napoca)
Dafin Mureșanu (Cluj-Napoca)
Laurențiu Nedelcu (Brașov)

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016

p-ISSN 1222-2119, e-ISSN 2066-8872

-
- Adult granulosa cell tumour with a <10% component of fibrothecoma of the ovary: a rare case report
V.A. GĂTA, C. LISENCU, E.A. BONCI, C. VLAD, D. TODEA, P. ACHIMAȘ-CADARIU.....S78
- Parasitic thyroid nodule: a rare case report
EDUARD-ALEXANDRU BONCI, COSMIN LISENCU, BOGDAN FETICA, ALINA CRISTINA SILAGHI, DENISA PETRESCU, VLAD ALEXANDRU GĂTA, IOANA DELIA CLINCIU, CARMEN SFRÂNGEU, CARMEN GEORGESCU.....S79
- All is lost?
CATALIN TRIFAN, ALEXANDRU OPREA, BOGDAN VASILIU, AURELIAN SASARMAN, ALINA MAZARE, FLAVIUS MATEAS, VLAD HALGA, DAN BINDEA, ADRIAN MOLNAR.....S80
- Femuro-femoral bypass with an infrascrotal, perineal approach for arterial graft infection of the Scarpa region
ALEXANDRU OPREA, GEORGE POPESCU, CATALIN TRIFAN, DAN BINDEA, TRAIAN SCRIDON, ADRIAN MOLNAR.....S81
- Partial atrioventricular canal defect with double orifice mitral valve - a case report
MANUEL CHIRA, SIMONA OPRITA, CATALIN TRIFAN, OLIVIA VASILE, LUMINITA SLABU, ALEXANDRU OPREA, ADRIAN MOLNAR.....S82
- Aortic valve endocarditis with severe local complications – a surgical challenge
ADRIAN MOLNAR, DIANA SACUI, IOAN MURESAN, ALEXANDRU OPREA, CATALIN TRIFAN.....S83
- Free tissue transfer in lower leg reconstruction
BOTOND JANKO, TANYA-EMANUELA AVRAM, ILEANA-RODICA MATEI, ALEXANDRU D.V. GEORGESCU.....S84
- Major wrist trauma in volar laceration
TANYA EMANUELA AVRAM, BOTOND JANKO, MARIA-ELIZA NEDU, FILIP ARDELEAN, ILEANA-RODICA MATEI, ALEXANDRU D.V. GEORGESCU.....S85
- A case of colorectal cancer in pregnancy
CALIN TODORAN, ALEXANDRU IRIMIE, CATALIN VLAD, FLORIN LAURENTIU IGNAT, DRAGOS STEFAN MORARIU, PATRICIU ACHIMAS-CADARIU.....S86
- Triple epithelial malignancy in a single young male patient - clinical and prognostic issues
FLAVIU MURESAN, DANIEL GHEORGHE DECEANU, ANCA MIHAILOV.....S87

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016
p-ISSN 1222-2119, e-ISSN 2066-8872

Single institution experience regarding double-barreled wet colostomy versus ileal conduit for urinary and fecal diversion after pelvic exenterations
RAZVAN SIMESCU, GABRIEL PETRE, OVIDIU FABIAN,
DARIUS SALCERIU, CRISTINA LAZAR, VALENTIN MUNTEAN.....S88

The impact of dizziness on life quality of elderly patients with vestibular disorders and their caregivers
O.E. HARABAGIU, A. MANIU, G.S. CHIȘS89

Laparoscopy as a pretherapeutic approach for peritoneal surface malignancies
VALENTIN MUNTEAN, CORNELIU LUNGOCI, TRAIAN ONIU,
RAZVAN SIMESCU, GABRIEL PETRE, ANCA MIHAILOV.....S90

PHARMACY

Fundamental Research

Synthetic receptors for the electrochemical sensing of dopamine
ANCA FLOREA, MIHAELA TERTIS, ROBERT SANDULESCU,
CECILIA CRISTEA..... S91

Gold/polypyrrole nanoparticles-based platform for electrochemical detection of serotonin
MIHAELA TERTIS, ANDREEA CERNAT, DANIELA LACATIS,
ANCA FLOREA, ROBERT SANDULESCU, CECILIA CRISTEA.....S92

Electrochemical sensor for dopamine based on electropolymerized molecularly imprinted poly aminothiophenol and gold nanoparticles
BIANCA CIUI, MIHAELA TERTIȘ, ANCA FLOREA, OANA HOSU,
DIANA PEIA, ROBERT SĂNDULESCU, CECILIA CRISTEA.....S93

Tetrazines in aqueous solution. Electrochemical and fluorescent studies
LUMINITA FRITEA, ROBERT SĂNDULESCU, KARINE GORGY,
ALAN LE GOFF, LAURENT GALMICHE, REYNALDO VILLALONGA,
PIERRE AUDEBERT, SERGE COSNIER.....S94

Graphene based biosensors for dopamine determination
LUMINIȚA FRITEA, MIHAELA TERTIȘ, ALAN LE GOFF,
SERGE COSNIER, CECILIA CRISTEA, ROBERT SĂNDULESCU.....S95

Editorial board

Radu Oprean (Cluj-Napoca)
Virgil Păunescu (Timișoara)
Luminița Pleșca-Manea
(Cluj-Napoca)
Aurel Popa-Wagner (Greifswald)
Mihai Popescu (București)
Paul J. Porr (Sibiu)
Piero Portincasa (Bari)
Vlaicu Sandor (Cluj-Napoca)
Adrian Săftoiu (Craiova)
Nadia Schmidt (Cluj-Napoca)
Florin Stamatian (Cluj-Napoca)
Luminița Stanciu (Londra)
Alin Șerbănescu (Cluj-Napoca)
Ioan Florian Ștefan (Cluj-Napoca)
Radu Tutuiian (Zürich)

Editorial secretary

Dorina Sorcoi

Desktop publishing

Mihai Ioan Lazăr

”Clujul Medical”

Journal’s Office

Str. Moților, nr. 33
400609 Cluj-Napoca, România
Tel/fax: 00-40-264-596086

E-mail

clujulmedical@umfcluj.ro

Site

www.clujulmedical.umfcluj.ro

Indexed

SCIPPIO
EBSCO
Index Copernicus
getCited
JournalSeek
Open Access Directory

Printing house

UMF “Iuliu Hațieganu”
Cluj-Napoca

Editor

Dan L. Dumitraşcu

Editorial office

Mihaela Băciuț
 Cristian Bârsu
 Simona Clichici
 Horațiu Colosi
 Ofelia Crișan
 Daniela Fodor
 Daniel Leucuța
 Ioana Robu

Editorial board

Monica Acalovschi (Cluj-Napoca)
 Andrei Achimaș (Cluj-Napoca)
 Doina Azoicăi (Iași)
 Radu Badea (Cluj-Napoca)
 Grigore Băciuț (Cluj-Napoca)
 Ioana Berindan-Neagoe
 (Cluj-Napoca)
 Marius Bojiță (Cluj-Napoca)
 Ion I. Bruckner (București)
 Anca Buzoianu (Cluj-Napoca)
 Radu Câmpănu (Cluj-Napoca)
 Constantin Ciuce (Cluj-Napoca)
 Mihai Coculescu (București)
 Douglas Drossman (Chapel Hill)
 Sorin Duda (Cluj-Napoca)
 Dorin Farcău (Cluj-Napoca)
 Ion Fulga (București)
 Jean-Paul Galmiche (Nantes)
 Alexandru Georgescu
 (Cluj-Napoca)
 Liana Gheorghe (București)
 Mircea Grigorescu (Cluj-Napoca)
 Anca Grosu (Freiburg)
 Waseem TY Hamoudi (Amman)
 Nicolae Hâncu (Cluj-Napoca)
 Laszlo Herszenyi (Budapest)
 Mihai Ionac (Timișoara)
 Alexandru Irimie (Cluj-Napoca)
 Nikolai Lazarov (Sofia)
 Sorin Leucuța (Cluj-Napoca)
 Felicia Loghin (Cluj-Napoca)
 Mihai Lucan (Cluj-Napoca)
 Sorin Man (Cluj-Napoca)
 Peter Manu (New York)
 Traian Mihăescu (Iași)
 Petru Mircea (Cluj-Napoca)
 Adriana Mureșan (Cluj-Napoca)
 Dafin Mureșanu (Cluj-Napoca)
 Laurențiu Nedelcu (Brașov)

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016

p-ISSN 1222-2119, e-ISSN 2066-8872

Design of immobilization platforms for sensors used in pharmaceutical analysis
 CECILIA CRISTEA, MIHAELA TERTIȘ, LUMINITA FRITEA,
 ANCA FLOREA, ROBERT SÂNDULESCU.....S96

New poly(methylene blue) films from deep eutectic solvents. Characterization
 and application for pharmaceutical sample analysis
 OANA HOSU, MADALINA M. BARSAN, CECILIA CRISTEA,
 ROBERT SANDULESCU, CHRISTOPHER M.A. BRETT.....S97

Electrochemical aptasensor for the detection of ampicillin
 BOGDAN FEIER, CECILIA CRISTEA, ROBERT SÂNDULESCU.....S98

Composite nanoplatforms for dopamine detection
 ANDREEA CERNAT, MIHAELA TERTIȘ, NICOLETA PĂPARĂ,
 ROBERT SÂNDULESCU, CECILIA CRISTEA.....S99

Crystallization of bioactive saponins via surface-activity and molecular trapping,
 using a de-formulated emulsion model
 TITUS CHUKWUEMEKA OBASI, BOGDAN CEZAR IACOB,
 IOANA TUICA, EDE BODOKI, ILIOARA ONIGA, RADU OPREAN.....S100

Comparative studies of hyperthermia and cell uptake properties of small and large
 iron oxide magnetic nanoparticles
 CRISTIAN IACOVITA, ADRIAN FLOREA, ROXANA DUDRIC,
 EMOKE PALL, ALIN IULIAN MOLDOVAN, ROMULUS TETEAN,
 RARES STIUFIUC, CONSTANTIN MIHAI LUCACIU.....S101

Synthesis of iron oxide nanoparticles at high temperature and high pressure for
 magnetic hyperthermia applications
 LAVINIA SCORUS, CRISTIAN IACOVITA, GABRIELA STIUFIUC,
 ALIN MOLDOVAN, RARES STIUFIUC, CONSTANTIN MIHAI LUCACIU.....S102

New green method for synthesizing gold nanoparticles for pharmaceutical
 applications
 DANIELA BENEDEC, DANIELA HANGANU, ILIOARA ONIGA,
 BRINDUSA TIPERCIUC, BOGDAN SEVASTRE, MIHAELA DUMA,
 CRISTIAN IACOVITA, MIHAI LUCACIU, RARES STIUFIUC.....S103

Impact of pegylation method on gold nanoparticles protein corona
 RAUL NICOARĂ, MARIA ILIEȘ, LUCIA RUS, SIMONA CODRUȚA HEGHEȘ,
 CRISTINA ADELA IUGA, FELICIA LOGHIN, ESTER POLO,
 KENNETH A. DAWSON.....S104

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016
p-ISSN 1222-2119, e-ISSN 2066-8872

Synthesis and antiproliferative effect of some new thiazolyl-chalcones and thiazolyl-pyrazolines
SMARANDA ONIGA, CĂTĂLIN ARANICIU, CRISTINA STOICA,
ADRIAN PĂRNĂU, OVIDIU ONIGA, BIANCA GĂLĂȚEANU,
MARIETA COSTACHE, MARIANA PALAGE.....S105

Lipophilicity evaluation of some thiazolyl-1,3,4-oxadiazole derivatives with antifungal activity
CRISTINA IOANA STOICA, IOANA IONUȚ, BRÎNDUȘA TIPERCIUC,
MIHAELA DUMA, CĂTĂLIN ARANICIU, SMARANDA ONIGA,
MARIANA PALAGE, OVIDIU ONIGAS106

Synthesis and characterization of new 2-arylthiazole beta-amino esters
DENISA LEONTE, LÁSZLÓ CSABA BENCZE, RÓBERT TÓTÖS,
VALENTIN ZAHARIA.....S107

Synthesis and physico-chemical characterization of some thiazole chalcones and flavonoids
TEODORA CONSTANTINESCU, DENISA LEONTE, LÁSZLÓ CSABA BENCZE,
LAURIAN VLASE, SILVIA IMRE, VALENTIN ZAHARIA.....S108

Application of the Pellizzari reaction in the synthesis of new 1,2,4-triazole derivatives with thiazole and pyridine moieties
ANDREI ALMĂȘAN, DENISA LEONTE, VALENTIN ZAHARIA.....S109

Synthesis and physico-chemical characterization of some thiazolic auronones
FANA-MARIA CÔMAN, DENISA LEONTE, LAURIAN VLASE,
LÁSZLÓ CSABA BENCZE, VALENTIN ZAHARIA.....S110

Synthesis and characterization of some new thiazolo[3,2-b][1,2,4]triazole and imidazo[2,1-b][1,3,4]thiadiazole derivatives
ANAMARIA CRISTINA, DENISA LEONTE, LAURIAN VLASE,
LÁSZLÓ CSABA BENCZE, SILVIA IMRE, VALENTIN ZAHARIA.....S111

Pharmaceutical Specialties

Formulation and pharmaceutical development of quetiapine fumarate sustained release matrix tablets using a QbD approach
ALEXANDRU GĂVAN, ALINA PORFIRE, CRISTINA MARINA,
IOAN TOMUȚĂ.....S112

Editorial board

Radu Oprean (Cluj-Napoca)
Virgil Păunescu (Timișoara)
Luminița Pleșca-Manea
(Cluj-Napoca)
Aurel Popa-Wagner (Greifswald)
Mihai Popescu (București)
Paul J. Porr (Sibiu)
Piero Portincasa (Bari)
Vlaicu Sandor (Cluj-Napoca)
Adrian Săftoiu (Craiova)
Nadia Schmidt (Cluj-Napoca)
Florin Stamatian (Cluj-Napoca)
Luminița Stanciu (Londra)
Alin Șerbănescu (Cluj-Napoca)
Ioan Florian Ștefan (Cluj-Napoca)
Radu Tutuiian (Zürich)

Editorial secretary

Dorina Sorcoi

Desktop publishing

Mihai Ioan Lazăr

"Clujul Medical"

Journal's Office

Str. Moșilor, nr. 33
400609 Cluj-Napoca, România
Tel/fax: 00-40-264-596086

E-mail

clujulmedical@umfcluj.ro

Site

www.clujulmedical.umfcluj.ro

Indexed

SCIPPIO
EBSCO
Index Copernicus
getCited
JournalSeek
Open Access Directory

Printing house

UMF "Iuliu Hațieganu"
Cluj-Napoca

Editor

Dan L. Dumitraşcu

Editorial office

Mihaela Băciuț
 Cristian Bârsu
 Simona Clichici
 Horațiu Colosi
 Ofelia Crișan
 Daniela Fodor
 Daniel Leucuța
 Ioana Robu

Editorial board

Monica Acalovschi (Cluj-Napoca)
 Andrei Achimaș (Cluj-Napoca)
 Doina Azoicăi (Iași)
 Radu Badea (Cluj-Napoca)
 Grigore Băciuț (Cluj-Napoca)
 Ioana Berindan-Neagoe (Cluj-Napoca)
 Marius Bojiță (Cluj-Napoca)
 Ion I. Bruckner (București)
 Anca Buzoianu (Cluj-Napoca)
 Radu Câmpeanu (Cluj-Napoca)
 Constantin Ciuce (Cluj-Napoca)
 Mihai Coculescu (București)
 Douglas Drossman (Chapel Hill)
 Sorin Dudea (Cluj-Napoca)
 Dorin Farcău (Cluj-Napoca)
 Ion Fulga (București)
 Jean-Paul Galmiche (Nantes)
 Alexandru Georgescu (Cluj-Napoca)
 Liana Gheorghe (București)
 Mircea Grigorescu (Cluj-Napoca)
 Anca Grosu (Freiburg)
 Waseem TY Hamoudi (Amman)
 Nicolae Hâncu (Cluj-Napoca)
 Laszlo Herszenyi (Budapest)
 Mihai Ionac (Timișoara)
 Alexandru Irimie (Cluj-Napoca)
 Nikolai Lazarov (Sofia)
 Sorin Leucuța (Cluj-Napoca)
 Felicia Loghin (Cluj-Napoca)
 Mihai Lucan (Cluj-Napoca)
 Sorin Man (Cluj-Napoca)
 Peter Manu (New York)
 Traian Mihăescu (Iași)
 Petru Mircea (Cluj-Napoca)
 Adriana Mureșan (Cluj-Napoca)
 Dafin Mureșanu (Cluj-Napoca)
 Laurențiu Nedelcu (Brașov)

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016

p-ISSN 1222-2119, e-ISSN 2066-8872

The development of oral lyophilisates with ibuprofen via qbd approach
 ȘTEFANA SUCIU, SONIA IURIAN, CATĂLINA BOGDAN,
 RAREȘ IOVANOV, LUCIA RUS, MIRELA MOLDOVAN, IOAN TOMUȚĂ.....S113

The quality by design (QbD) approach in the pharmaceutical development.
 Case study on hydrophilic matrix tablets with indapamide
 KINGA ILYÉS, DANA HALES, TIBOR CASIAN, IOAN TOMUȚĂ.....S114

Evaluation of the release characteristic of indapamide from prolonged release
 inert matrix tablets
 RAREȘ IULIU IOVANOV, DENISA MĂDĂLINA ZĂLAR, LAURIAN VLASE,
 IOAN TOMUȚĂ.....S115

Development of an oral prolonged release product with paliperidone
 SONIA IURIAN, LUANA TURDEAN, IOAN TOMUȚĂ.....S116

Development of co-encapsulated doxorubicin and curcumin long circulating
 liposomes for increased efficiency of colon cancer therapy
 LUCIA RUXANDRA TEFAS, BIANCA SYLVESTER, ALINA SESARMAN,
 MANUELA BANCUI, EMILIA LICARETE, LAVINIA LUPUT,
 VALENTIN RAUCA, ALINA PORFIRE.....S117

Physical characterisation for the development of a stable freeze-dried meloxicam
 formulation
 LUCIA MARIA RUS, SONIA IURIAN, IRINA KACSO, GHEORGHE BORODI,
 ALINA UIFĂLEAN, RAUL NICOARĂ, MARIA ILIEȘ, CRISTINA ADELA IUGA,
 IOAN TOMUȚĂ.....S118

The pharmacokinetic interaction study between carvedilol and bupropion in rats
 MARIA BIANCA ABRUDAN, DANA MARIA MUNTEAN,
 ANA-MARIA GHELDIU, MARIA ADRIANA NEAG, LAURIAN VLASE.....S119

The influence of CYP2D6 isoenzyme genetic polymorphism on the pharmacokinetic
 profile of atomoxetine
 IOANA TODOR, CORINA BRICIU, MARIA NEAG, DANA MUNTEAN,
 CORINA BOCȘAN, ANCA BUZOIANU, ADINA POPA,
 ANA-MARIA GHELDIU, LAURIAN VLASE.....S120

The influence of pedoclimatic conditions upon of *Thymus Marschallianus Willd*
(lamiaceae) chemovariability
 DANIELA HANGANU, NELI-KINGA OLAH, DANIELA BENEDEC,
 LAURIAN VLASE, SONIA SOCACI, OANA RAITA, NINA CIOCARLAN,
 VANCESLAV GHENDOV, ILIOARA ONIGA,
 ALEXANDRA BERGIAN SEVASTRE.....S121

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016
p-ISSN 1222-2119, e-ISSN 2066-8872

Phytochemical analysis, antioxidant and anti-inflammatory properties
of three *Ajuga* sp. extracts
ANCA TOIU, LAURIAN VLASE, ANDREI MOCAN, ELENA ALINA PÂRVU,
ANA-MARIA GHELDIU, ILIOARA ONIGA.....S122

Efficacy assessment of a topical product for the improvement of skin condition
in *striae distensae*
CĂTĂLINA BOGDAN, SONIA IURIAN, MIRELA MOLDOVAN.....S123

Evaluation of the (anti)estrogenic activity of binary mixtures through the
MCF-7 cell proliferation assay
ANCA POP, TUDOR DRUGAN, FELICIA LOGHIN, JULIEN CHERFAN,
DIANA LUPU, BÉLA KISS.....S124

Evaluation of bioactive proteins concentration in human breast milk.
Correlations with stages of lactation
SIMONA CODRUȚA HEGHEȘ, IOANA ECATERINA PRALEA,
MARIA ILIEȘ, ALINA UIFĂLEAN, RAUL NICOARĂ,
LUCIA MARIA RUS, CRISTINA ADELA IUGA.....S125

GC-MS separation of fatty acids in serum from adrenoleukodystrophy patient
IOANA TIUCA, KATALIN NAGY, RADU OPREAN.....S126

Standards for good pharmacy practice – a comparative analysis
ANDREEA CHERTES, OFELIA CRIȘAN.....S127

Potential drug-drug interactions in patients admitted to the cardiology unit
of a Romanian teaching hospital
CRISTINA POP, E. BUZDUGAN, IRINA CAZACU, CAMELIA BUCSA,
OLIVIU VOSTINARU, FELICIA LOGHIN, D. RADULESCU,
CRISTINA MOGOSAN.....S128

Trends in antibiotic consumption, in a Romanian hospital
of infectious diseases – a six year analysis
IOANA ECATERINA PRALEA, CRISTINA ADELA IUGA,
ADRIANA SLAVCOVICI, MONICA MUNTEAN, DANIELA PRIMEJDIE.....S129

Evaluation of medication use appropriateness in geriatric patients admitted
to an infectious diseases hospital – a retrospective study
IOANA ECATERINA PRALEA, CRISTINA ADELA IUGA,
ADRIANA SLAVCOVICI, MONICA MUNTEAN, DANIELA P. PRIMEJDIE.....S130

Editorial board

Radu Oprean (Cluj-Napoca)
Virgil Păunescu (Timișoara)
Luminița Pleșca-Manea
(Cluj-Napoca)
Aurel Popa-Wagner (Greifswald)
Mihai Popescu (București)
Paul J. Porr (Sibiu)
Piero Portincasa (Bari)
Vlaicu Sandor (Cluj-Napoca)
Adrian Săftoiu (Craiova)
Nadia Schmidt (Cluj-Napoca)
Florin Stamatian (Cluj-Napoca)
Luminița Stanciu (Londra)
Alin Șerbănescu (Cluj-Napoca)
Ioan Florian Ștefan (Cluj-
Napoca)
Radu Tutuiian (Zürich)

Editorial secretary

Dorina Sorcoi

Desktop publishing

Mihai Ioan Lazăr

”Clujul Medical”

Journal's Office

Str. Moșilor, nr. 33
400609 Cluj-Napoca, România
Tel/fax: 00-40-264-596086

E-mail

clujulmedical@umfcluj.ro

Site

www.clujulmedical.umfcluj.ro

Indexed

SCIPPIO
EBSCO
Index Copernicus
getCited
JournalSeek
Open Access Directory

Printing house

UMF “Iuliu Hațieganu”
Cluj-Napoca

Editor

Dan L. Dumitraşcu

Editorial office

Mihaela Băciuț
 Cristian Bârsu
 Simona Clichici
 Horațiu Colosi
 Ofelia Crișan
 Daniela Fodor
 Daniel Leucuța
 Ioana Robu

Editorial board

Monica Acalovschi (Cluj-Napoca)
 Andrei Achimaș (Cluj-Napoca)
 Doina Azoicăi (Iași)
 Radu Badea (Cluj-Napoca)
 Grigore Băciuț (Cluj-Napoca)
 Ioana Berindan-Neagoe
 (Cluj-Napoca)
 Marius Bojiță (Cluj-Napoca)
 Ion I. Bruckner (București)
 Anca Buzoianu (Cluj-Napoca)
 Radu Câmpeanu (Cluj-Napoca)
 Constantin Ciuce (Cluj-Napoca)
 Mihai Coculescu (București)
 Douglas Drossman (Chapel Hill)
 Sorin Dudea (Cluj-Napoca)
 Dorin Farcău (Cluj-Napoca)
 Ion Fulga (București)
 Jean-Paul Galmiche (Nantes)
 Alexandru Georgescu
 (Cluj-Napoca)
 Liana Gheorghe (București)
 Mircea Grigorescu (Cluj-Napoca)
 Anca Grosu (Freiburg)
 Waseem TY Hamoudi (Amman)
 Nicolae Hâncu (Cluj-Napoca)
 Laszlo Herszenyi (Budapest)
 Mihai Ionac (Timișoara)
 Alexandru Irimie (Cluj-Napoca)
 Nikolai Lazarov (Sofia)
 Sorin Leucuța (Cluj-Napoca)
 Felicia Loghin (Cluj-Napoca)
 Mihai Lucan (Cluj-Napoca)
 Sorin Man (Cluj-Napoca)
 Peter Manu (New York)
 Traian Mihăescu (Iași)
 Petru Mircea (Cluj-Napoca)
 Adriana Mureșan (Cluj-Napoca)
 Dafin Mureșanu (Cluj-Napoca)
 Laurențiu Nedelcu (Brașov)

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016

p-ISSN 1222-2119, e-ISSN 2066-8872

Central venous catheters designed to prevent device related infections
 SIMONA MIREL, LIORA COLOBĂȚIU, MIHAELA LUPȘE.....S131

Nutrition and Dietetics

Personalized anti-inflammatory nutrition for allergic, cardiovascular
 and cancer patients
 JOHN IONESCU.....S132

Early life nutrition and the programming of adult health
 ROSITA GABBIANELLI.....S133

Caffeine – from a daily pleasure to an enhancing performance
 nutritional supplement
 ȘERBAN DAMIAN.....S134

The benefits of integrating citrus essences in diet
 MONICA GOIA-SOCOL, CORNELIA DECU-CHAUMONT.....S135

Genetics in the pathophysiology of human obesity: monogenic,
 polygenic and syndromic forms of obesity
 ADRIAN COPCEA.....S136

Nutrigenomics application in food industry
 RAMONA SUHAROSCHI.....S137

An overview of nutritional therapies in inborn errors of metabolism - different
 disorders, different approaches; lessons from phenylketonuria
 ROMANA VULTURAR.....S138

Folate deficiency management
 RUXANDRA PLESEA.....S139

Cleaning measures in the production, marketing and preparation of food
 in Cluj County during the XVI-XVIIth centuries
 LUKÁCS JÓZSEF.....S140

Eating disorders – where are we heading to?
 SEBASTIAN-MIHAI ARMEAN, MARIA-ANA BRATA,
 KRISZTINA-AGOTA ARMEAN.....S141

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016
p-ISSN 1222-2119, e-ISSN 2066-8872

| | |
|--|------|
| Utilization of food wastes as sources of functional ingredients SONIA SOCACI, ANCA FĂRCAȘ, DAN VODNAR, MARIA TOFANĂ..... | S142 |
| Opportunities for European food, nutrition and dietetics professionals: vision about ISEKI_Food Association OANA STANCIU, ANITA HABERSHUBER..... | S143 |
| A multidisciplinary approach in a case of endometrial adenocarcinoma ANCA IGNAT..... | S144 |
| Practical nutrition SIGINA POP..... | S145 |
| The activity as a dietitian in a private recovery hospital RALUCA TOPAN..... | S146 |
| Nutrition workshops: promoting a healthy lifestyle to prevent obesity IOANA POPA..... | S147 |
| The importance of food education for athletes CĂTĂLIN IUSTIN ARON, DOINA MIERE, LAURA IOANA GAVRILAȘ..... | S148 |
| Simultaneous analysis of 13 mycotoxins in bread commercialized in Cluj-Napoca, Romania OANA STANCIU, CRISTINA JUAN, DOINA MIERE, FELICIA LOGHIN, JORDI MAÑES..... | S149 |
| Evaluation of energy and dietary intake from food of lactating mothers in a Romanian sample LAURA GAVRILAȘ, SIMONA CODRUȚA HEGHEȘ, DAN ISTRATE, LORENA FILIP, ANAMARIA COZMA-PETRUȚ, DOINA MIERE..... | S150 |
| Dementia and nutrition TATIANA CHIRU, VALERIA GRIGORIEV..... | S151 |
| Sprouts as an antioxidant food resource VALERIA GRIGORIEV, TATIANA CHIRU..... | S152 |

Editorial board

Radu Oprean (Cluj-Napoca)
Virgil Păunescu (Timișoara)
Luminița Pleșca-Manea
(Cluj-Napoca)
Aurel Popa-Wagner (Greifswald)
Mihai Popescu (București)
Paul J. Porr (Sibiu)
Piero Portincasa (Bari)
Vlaicu Sandor (Cluj-Napoca)
Adrian Săftoiu (Craiova)
Nadia Schmidt (Cluj-Napoca)
Florin Stamatian (Cluj-Napoca)
Luminița Stanciu (Londra)
Alin Șerbănescu (Cluj-Napoca)
Ioan Florian Ștefan (Cluj-
Napoca)
Radu Tutuiian (Zürich)

Editorial secretary

Dorina Sorcoi

Desktop publishing

Mihai Ioan Lazăr

"Clujul Medical"

Journal's Office

Str. Moților, nr. 33
400609 Cluj-Napoca, România
Tel/fax: 00-40-264-596086

E-mail

clujulmedical@umfcluj.ro

Site

www.clujulmedical.umfcluj.ro

Indexed

SCIPPIO
EBSCO
Index Copernicus
getCited
JournalSeek
Open Access Directory

Printing house

UMF "Iuliu Hațieganu"
Cluj-Napoca

Editor

Dan L. Dumitraşcu

Editorial office

Mihaela Băciuț
Cristian Bârsu
Simona Clichici
Horațiu Colosi
Ofelia Crișan
Daniela Fodor
Daniel Leucuța
Ioana Robu

Editorial board

Monica Acalovschi (Cluj-Napoca)
Andrei Achimaș (Cluj-Napoca)
Doina Azoicăi (Iași)
Radu Badea (Cluj-Napoca)
Grigore Băciuț (Cluj-Napoca)
Ioana Berindan-Neagoe
(Cluj-Napoca)
Marius Bojiță (Cluj-Napoca)
Ion I. Bruckner (București)
Anca Buzoianu (Cluj-Napoca)
Radu Câmpeanu (Cluj-Napoca)
Constantin Ciuce (Cluj-Napoca)
Mihai Coculescu (București)
Douglas Drossman (Chapel Hill)
Sorin Dudea (Cluj-Napoca)
Dorin Farcău (Cluj-Napoca)
Ion Fulga (București)
Jean-Paul Galmiche (Nantes)
Alexandru Georgescu
(Cluj-Napoca)
Liana Gheorghe (București)
Mircea Grigorescu (Cluj-Napoca)
Anca Grosu (Freiburg)
Waseem TY Hamoudi (Amman)
Nicolae Hâncu (Cluj-Napoca)
Laszlo Herszenyi (Budapest)
Mihai Ionac (Timișoara)
Alexandru Irimie (Cluj-Napoca)
Nikolai Lazarov (Sofia)
Sorin Leucuța (Cluj-Napoca)
Felicia Loghin (Cluj-Napoca)
Mihai Lucan (Cluj-Napoca)
Sorin Man (Cluj-Napoca)
Peter Manu (New York)
Traian Mihăescu (Iași)
Petru Mircea (Cluj-Napoca)
Adriana Mureșan (Cluj-Napoca)
Dafin Mureșanu (Cluj-Napoca)
Laurențiu Nedelcu (Brașov)

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016

p-ISSN 1222-2119, e-ISSN 2066-8872

Spectrophotometric determination of nitrate and nitrite in groundwater sources of Cluj County
ANETT NAGY, IOANA PRALEA, CRISTINA IUGA, DOINA MIERE,
LORENA FILIP.....S153

The need for high protein diet and amino acid supplements in older adults
MARIUS EMIL RUSU, DANIELA-SAVETA POPA, LAURIAN VLASE.....S154

Nutritional and behavioral peculiarities of the population in the genesis of digestive diseases
DAVID SABĂU, GRIGORE FRIPTULEAC.....S155

Investigating the effect of *Fetească Neagră* grape marc extracts in an experimental inflammation
ȘTEFANIA SILVIA BALEA, ALINA ELENA PÂRVU, NASTASIA POP,
FERNANDO ZAMORA, ANA UIFĂLEAN.....S156

The effects of personalized nutritional intervention in a patient with obesity class II
ALEXANDRA CORNELIA VLAD.....S157

Correlation between bone and carbohydrates metabolism depending on the nutritional status in diabetic patients
SIMONE ALFIERI.....S158

Identification of main dietary sources of polyphenols and assessment of consumption frequency of polyphenol-rich foods and beverages in a typical sample of Romanian adult population
IRIS-LISBETH MÜLLER, ELENA RAKOSY-TICAN.....S159

DENTISTRY

Antimicrobial susceptibility of *Enterococcus faecalis* to intracanal medications
ANDRADA ȚONEA, SORINA SAVA, ANCA LABUNET,
ADRIANA CARACOSTEA, ALEXANDRA VIGU, DAN VODNAR.....S160

Prevalence of periodontal disease in different stages of liver pathology
ALEXANDRU MESTER, RADU SEPTIMIU CAMPIAN, LIDIA CIOBANU,
ROXANA ZAHARIE, ONDINE LUCACIU.....S161

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016
p-ISSN 1222-2119, e-ISSN 2066-8872

Investigation of the morphology and structure of E-glass fiber-reinforced composites for cranio-facial custom-made implants
MĂDĂLINA-ANCA LAZĂR, CRISTINA PREJMEREAN, DOINA PRODAN, CĂLIN RAREȘ ROMAN, PAUL BERE, GABRIEL ARMENCEA, HORAȚIU ROTAR, BOGDAN CRIȘAN, SIMION BRAN, MIHAELA BĂCIUȚ, GRIGORE BĂCIUȚ, ANIDA BĂBȚAN, RADU-SEPTIMIU CÂMPIAN.....S162

The systemic expression of the periodontal inflammatory processes
ANCA IONEL, ONDINE LUCACIU, ARANKA ILEA, DAN BUHĂȚEL, CLAUDIA FEURDEAN, ADINA SÎRBU, ARIN SAVA, ANDREEA POP, ROXANA BORDEA, NAUSICA PETRESCU, MINODORA MOGA, WILLI URICIUC, FLAVIU TĂBĂRAN, CRISTIAN BERCE, SEPTIMIU TOADER, RADU SEPTIMIU CÂMPIAN.....S163

Root canal shaping using rotary systems and the incidence of root crack formation
ALINA-ANDREEA BUSUIOC, SANDA ILEANA CÎMPEAN.....S164

The bleaching effects of laser on an experimental gel
IOANA ROXANA BORDEA, ONDINE LUCACIU, BOGDAN CRIȘAN, ANCA ȘTEFANIA MESAROȘ, DANIELA POPA, STAVROS PELEKANOS, RADU SEPTIMIU CÂMPIAN.....S165

Internal and marginal accuracy of zirconia restorations made with two CAD/CAM systems
DANIELA POPA, ALEXANDRU VICTOR BURDE, ANA ISPAS, MARIANA CONSTANTINIUC, RADU SEPTIMIU CÂMPIAN.....S166

Human periodontium-derived mesenchymal stem cells viability and differentiation potential evaluation after nicotine exposure: an in vitro study
ARANKA ILEA, MINODORA MOGA, BIANCA BOȘCA, ANIDA BĂBȚAN, OLGA SORIȚĂU, PIROSKA VIRÁG, EVA FISHER, MIHAI CENARIU, EMOKE PALL, ANCA IONEL, NAUSICA PETRESCU, ANDREEA POP, CLAUDIA FEURDEAN, RADU SEPTIMIU CÂMPIANS167

Alternative structural methods used to investigate human dentin and enamel
NICOLETA SIMONA VEDEANU, ALINA DANA MAGDAS, RARES STIUFIUC, ANCA BOLAT, GABRIELA CRISTEA, TUDOR MAGDAS.....S168

Color coordinates of non-vital vs. vital teeth
DELIA CRISTINA GREȚA, HORAȚIU COLOSI, DIANA DUDEA.....S169

Editorial board

Radu Oprean (Cluj-Napoca)
Virgil Păunescu (Timișoara)
Luminița Pleșca-Manea (Cluj-Napoca)
Aurel Popa-Wagner (Greifswald)
Mihai Popescu (București)
Paul J. Porr (Sibiu)
Piero Portincasa (Bari)
Vlaicu Sandor (Cluj-Napoca)
Adrian Săftoiu (Craiova)
Nadia Schmidt (Cluj-Napoca)
Florin Stamatian (Cluj-Napoca)
Luminița Stanciu (Londra)
Alin Șerbănescu (Cluj-Napoca)
Ioan Florian Ștefan (Cluj-Napoca)
Radu Tutuiian (Zürich)

Editorial secretary

Dorina Sorcoi

Desktop publishing

Mihai Ioan Lazăr

"Clujul Medical"

Journal's Office

Str. Moților, nr. 33
400609 Cluj-Napoca, România
Tel/fax: 00-40-264-596086

E-mail

clujulmedical@umfcluj.ro

Site

www.clujulmedical.umfcluj.ro

Indexed

SCIPPIO
EBSCO
Index Copernicus
getCited
JournalSeek
Open Access Directory

Printing house

UMF "Iuliu Hațieganu"
Cluj-Napoca

Editor

Dan L. Dumitrașcu

Editorial office

Mihaela Băciuț
 Cristian Bârsu
 Simona Clichici
 Horațiu Colosi
 Ofelia Crișan
 Daniela Fodor
 Daniel Leucuța
 Ioana Robu

Editorial board

Monica Acalovschi (Cluj-Napoca)
 Andrei Achimaș (Cluj-Napoca)
 Doina Azoicăi (Iași)
 Radu Badea (Cluj-Napoca)
 Grigore Băciuț (Cluj-Napoca)
 Ioana Berindan-Neagoe
 (Cluj-Napoca)
 Marius Bojiță (Cluj-Napoca)
 Ion I. Bruckner (București)
 Anca Buzoianu (Cluj-Napoca)
 Radu Câmpănu (Cluj-Napoca)
 Constantin Ciuce (Cluj-Napoca)
 Mihai Coculescu (București)
 Douglas Drossman (Chapel Hill)
 Sorin Ducea (Cluj-Napoca)
 Dorin Farcău (Cluj-Napoca)
 Ion Fulga (București)
 Jean-Paul Galmiche (Nantes)
 Alexandru Georgescu
 (Cluj-Napoca)
 Liana Gheorghe (București)
 Mircea Grigorescu (Cluj-Napoca)
 Anca Grosu (Freiburg)
 Waseem TY Hamoudi (Amman)
 Nicolae Hâncu (Cluj-Napoca)
 Laszlo Herszenyi (Budapest)
 Mihai Ionac (Timișoara)
 Alexandru Irimie (Cluj-Napoca)
 Nikolai Lazarov (Sofia)
 Sorin Leucuța (Cluj-Napoca)
 Felicia Loghin (Cluj-Napoca)
 Mihai Lucan (Cluj-Napoca)
 Sorin Man (Cluj-Napoca)
 Peter Manu (New York)
 Traian Mihăescu (Iași)
 Petru Mircea (Cluj-Napoca)
 Adriana Mureșan (Cluj-Napoca)
 Dafin Mureșanu (Cluj-Napoca)
 Laurențiu Nedelcu (Brașov)

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016

p-ISSN 1222-2119, e-ISSN 2066-8872

Issues related to the perception and expectations of the patients wearing complete dentures

CECILIA BACALI, LIANA MARIA LASCU, MARIANA CONSTANTINIUC.....S170

The use of SLM in dental implants – protocols for sterilization

A. MANEA, G. BACIUȚ, S. BRAN, MIHAELA BACIUȚ, H. COLOSI,
 D. POP, P. BERCE.....S171

Masticatory efficiency in patients with type 2 diabetes mellitus

RALUCA-IULIA JUNCAR, MIHAI JUNCAR.....S172

Imaging exams for diagnosing temporomandibular joint disorders

DANIEL TALMACEANU, SMARANDA BUDURU, HORATIU ROTAR,
 GRIGORE BACIUȚ.....S173

The influence of first permanent molar loss on dental arch morphology – a radiological evaluation

ANDREEA SIMONA POP, RADU-SEPTIMIU CAMPEAN, ARANKA ILEA,
 OLIMPIA NEMES, VIORICA ȚĂRMURE.....S174

The CBCT volumetric changes of the air space of maxillary sinus and nasal cavities in orthognathic surgery

C. FAUR, M. HEDESIU, C. DINU, S. BRAN, G. BACIUȚ, H. ROTARU,
 R. ROMAN, I. BARBUR, M. BACIUȚ.....S175

Color distribution of CAD CAM blocks

ADRIAN MIHAI VARVARA, CRISTINA GASPARIK, VICTOR ALEXANDRU BURDE,
 ELENA BIANCA VARVARA, BOGDAN CULIC, DIANA DUDEA.....S176

The role of various prototype toothpastes in remineralization

ADELA ROTARU, MARIA-TOMOAI COTISEL, AURORA MOCANU,
 MARIUS BUD.....S177

Different approaches in layering composite materials to achieve maximum aesthetics for indirect prosthetic reconstructions: inlays, onlays, overlays and adhesive bridges

WILLI ANDREI URICIUC, ARANKA ILEA, MIRCEA MURESAN,
 RADU SEPTIMIU CAMPAN.....S178

The antibacterial activity of a new experimental bioceramic based root canal filling material

DANA HRAB, RADU CHISNOIU, ADA DELEAN, MARIOARA MOLDOVAN,
 RAHELA CARPA, ANDREA CHISNOIU, MÂNDRA-EUGENIA BADEA.....S179

- Clujul

Medical - Journal of Medicine and Pharmacy

Supplement No. 4, Vol. 89, 2016
p-ISSN 1222-2119, e-ISSN 2066-8872

Stability and relapse assessment in SARPE
VLAD ISTOAN, SIMION BRAN, MIHAELA BACIUT, IOAN BARBUR,
ILEANA MITRE, MIHAELA HEDESIU, GRIGORE BACIUT.....S180

Predictive genes in head and neck squamous cell carcinoma
DIANA URCAN, IOANA NEAGOE, MIHAELA BACIUT, FLORIN ONISOR,
SIMION BRAN, GRIGORE BACIUT.....S181

Interdisciplinary osteopathic – orthodontic treatment of patients with posture
alterations: case presentation
ALEXANDRA BOTOȘ, HAJNAL CHELARU, ANCA MESAROȘ,
ALEXANDRA IRIMIE, ALEXANDRU GRECU, DIANA DUDEA.....S182

Increasing the difficulty of orthodontic treatment by the of loss
of leeway space – a case report
MEDA-ROMANA SIMU, RALUCA SUHANI, MICHAELA MESAROS.....S183

Temporary anchorage devices in contemporary orthodontics - a literature review
RALUCA ȘUHANI, MEDA SIMU, ALEXANDRINA MUNTEAN,
MICHAELA MESAROȘ, MARIAN DAGĂU, MIHAI ȘUHANI.....S184

Temporary teeth - who is in charge of them? Esthetic rehabilitation of anterior
primary teeth in pediatric dentistry
NICOLETA VAN GELDER, ALEXANDRA MAN, MELINDA KOVACH.....S185

Editorial board

Radu Oprean (Cluj-Napoca)
Virgil Păunescu (Timișoara)
Luminița Pleșca-Manea
(Cluj-Napoca)
Aurel Popa-Wagner (Greifswald)
Mihai Popescu (București)
Paul J. Porr (Sibiu)
Piero Portincasa (Bari)
Vlaicu Sandor (Cluj-Napoca)
Adrian Săftoiu (Craiova)
Nadia Schmidt (Cluj-Napoca)
Florin Stamatian (Cluj-Napoca)
Luminița Stanciu (Londra)
Alin Șerbănescu (Cluj-Napoca)
Ioan Florian Ștefan (Cluj-
Napoca)
Radu Tutuiian (Zürich)

Editorial secretary

Dorina Sorcoi

Desktop publishing

Mihai Ioan Lazăr

”Clujul Medical”

Journal’s Office

Str. Moșilor, nr. 33
400609 Cluj-Napoca, România
Tel/fax: 00-40-264-596086

E-mail

clujulmedical@umfcluj.ro

Site

www.clujulmedical.umfcluj.ro

Indexed

SCIPPIO
EBSCO
Index Copernicus
getCited
JournalSeek
Open Access Directory

Printing house

UMF “Iuliu Hațieganu”
Cluj-Napoca