



BJMG is an open access, peer-reviewed journal. All articles in the journal are immediately and permanently available online for all to read and use free of charge.
BJMG is published twice a year.

Indexed or abstracted in: EMBASE (the Excerpta Medica database), Elsevier Biobase (Current Awareness in Biological Sciences), Elsevier GeoAbstracts, PubMed Central, Scopus, Chemical Abstracts (CA), Science Citation Index Expanded, SCImago (SJR) Journal Citation Reports/Science Edition, De Gruyter, Sciendo, Academic Open Access Publisher.

BJMG is covered by Thomson Reuters services.

EDITORS

Plaseska-Karanfilska D (Skopje), Toncheva DI (Sofia)

PAST EDITOR

Efremov GD (Skopje)

EDITORIAL BOARD

Apak M (Istanbul)
Avent N (Plymouth)
Baranov V (St Petersburg)
Barisic I (Zagreb)
Basak N (Istanbul)
Czeizel A (Budapest)
Cooper D (Cardiff)
Dimovski AJ (Skopje)
Dörk T (Hannover)
Efremov DG (Trieste)
Fryns JP (Leuven)

Geraedts J (Maastricht)
Goossens M (Paris)
Kanavakis E (Athens)
Keohavong P (Pittsburg)
Kocova M (Skopje)
Kremenski I (Sofia)
Kucinskas V (Vilnius)
Khusnutdinova E (Ufa)
Labie D (Paris)
Liehr T (Jena)
Lungeanu A (Bucharest)

Nakamara Y (Tokyo)
Pavelic K (Zagreb)
Peterlin B (Ljubljana)
Stevanovic M (Belgrade)
Todorova A (Sofia)
Tomlinson I (London)
Vella F (Saskatoon)
Wajcman H (Paris)
Yapiyakis C (Athens)
Zoraqi G (Tirana)

EDITORIAL ASSISTANTS

Sukarova Stefanovska E, Skopje
Carver M.F.H, Evans, GA, USA
Janeska K, Skopje

COVER DESIGN

Bitrakova-Grozdanova V, Skopje

EDITORIAL OFFICE

Macedonian Academy of Sciences and Arts, Bul. Krste Misirkov 2, POB 428
1000 Skopje, Republic of North Macedonia.
Phone: + 389 2 3235 411, fax: + 389 2 3115 434, E-mail: icgib@manu.edu.mk
Web page: www.bjmg.edu.mk

PUBLISHER

BJMG is published by Macedonian Academy of Sciences and Arts

Printed by: **Arberia Design DOOEL Tetovo**

Front cover page: Mehmed IV's berat, 1649 y, Sarajevo

Back cover page: Funeral stele, Gornje Hrasno, Stolac, Bosnia, XIII-XIV century



CONTENTS

Original Articles

EFFECT OF EXOGENOUS TRANSCRIPTION FACTORS INTEGRATION SITES ON SAFETY AND PLURIPOTENCY OF INDUCED PLURIPOTENT STEM CELLS Yin S, Li W, Yang G, Cheng Y, Yi Q, Fan S, Ma Q, Zeng F.....	5
RELATIONSHIP BETWEEN CHROMOSOMAL ABERRATIONS AND GENE EXPRESSIONS IN THE p53 PATHWAY IN CHRONIC LYMPHOCYTIC LEUKEMIA Öztan G, Aktan M, Palanduz S, İşsever H, Öztürk S, Nikerel E, Uçur A, Bağatır G, Bayrak A, Çefle K	15
THE EXPRESSION LEVELS OF microRNAs ASSOCIATED WITH T AND B CELL DIFFERENTIATION/STIMULATION IN ANKYLOSING SPONDYLITIS Türkyilmaz A, Ata P, Akbaş F, Yağci İ.....	25
THE EFFECTS OF O⁶-METHYL GUANINE DNA-METHYL TRANSFERASE PROMOTOR METHYLATION AND CpG1, CpG2, CpG3 AND CpG4 METHYLATION ON TREATMENT RESPONSE AND THEIR PROGNOSTIC SIGNIFICANCE IN PATIENTS WITH GLIOBLASTOMA Yıldız OG, Aslan D, Akalin H, Erdem Y, Canoz O, Aytekin A, Ozoner S, Dundar M	33
β-ELEMENE INHIBITS THE PROLIFERATION AND MIGRATION OF HUMAN GLIOBLASTOMA CELL LINES VIA SUPPRESSING RING FINGER PROTEIN 135 Alizada M, Li J, Aslami H, Yang D, Korchuganova T, Xu YH	43
RANKL IS A NEW EPIGENETIC BIOMARKER FOR THE VASOMOTOR SYMPTOM DURING MENOPAUSE Kalkan R, Altarda M, Tosun O	51
THE INTERACTION OF FEMALE AGE AND ACTIVE MALE SMOKING HAS NEGATIVE INFLUENCE ON SUCCESS RATES OF THE <i>IN VITRO</i> FERTILIZATION TREATMENTS Petanovska Kostova E.....	57
AN INVESTIGATION OF THE COMT GENE VAL158MET POLYMORPHISM IN PATIENTS ADMITTED TO THE EMERGENCY DEPARTMENT BECAUSE OF SYNTHETIC CANNABINOID USE Nennicioglu Y, Kaya H, Eraybar S, Atmaca S, Gorukmez O, Armagan E	63
IMPLICATION OF <i>VDR</i> rs7975232 AND <i>FCGR2A</i> rs1801274 GENE POLYMORPHISMS IN THE RISK AND THE PROGNOSIS OF AUTOIMMUNE THYROID DISEASES IN THE TUNISIAN POPULATION Mestiri S, Zaaber I, Nasr I, Marmouch H	69
ASSOCIATION OF THE BRAIN-DERIVED NEUROTROPHIC FACTOR Val66Met POLYMORPHISM WITH BODY MASS INDEX, FASTING GLUCOSE LEVELS AND LIPID STATUS IN ADOLESCENTS Vidović V, Maksimović N, Novaković I, Damnjanović T, Jekić B, Vidović S, Majkić Singh N, Stamenković-Radak M, Nikolić D, Marisavljević D	77

Case Reports

DE NOVO KMT2D HETEROZYGOUS FRAMESHIFT DELETION IN A NEWBORN WITH A CONGENITAL HEART ANOMALY Stangler Herodež Š, Marčun Varda N, Kokalj Vokač N, Krgović D	83
A NEW SPLICE-SITE MUTATION OF SPINK5 GENE IN THE NETHERTON SYNDROME WITH DIFFERENT CLINICAL FEATURES: A CASE REPORT Erden E, Ceylan AC, Emre S	91
ANKYLOBLEPHARON-ECTODERMAL DEFECTS-CLEFT LIP-PALATE SYNDROME DUE TO A NOVEL MISSENSE MUTATION IN THE SAM DOMAIN OF THE TP63 GENE Tajir M, Lyahyai J, Guaoua S, El Alloussi M, Sefiani A.....	95
PRENATAL DIAGNOSIS OF A <i>DE NOVO</i> PARTIAL TRISOMY 6q AND PARTIAL MONOSOMY 18p ASSOCIATED WITH CEPHALOCELE: A CASE REPORT Karaman A, Karaman B, Çetinkaya A, Karaman S, Demirci O	99
A VERY RARE PARTIAL TRISOMY SYNDROME: <i>DE NOVO</i> DUPLICATION OF 16q12.1q23.3 IN A TURKISH GIRL WITH DEVELOPMENTAL DELAY AND FACIAL DYSMORPHIC FEATURES Türkyılmaz A, Yaralı O	103