

Projects Competition 2021  
Medical Sciences  
STUDENT MINIGRANTS

LIST OF PROJECTS APPROVED FOR IMPLEMENTATION

Number	Title	Budget
02/M/MG/N/21	Influence of periodontitis on the occurrence of atrial fibrillation in the peri-infarction period – analysis from the perspective of cell membrane microparticles	8 000.00
03/M/MG/N/21	Instrumental occlusal analysis with dentition and prosthetically treated patients	8 000.00
05/M/MG/N/21	Immunohistochemical assessment of inflammatory infiltrates in the nasal mucosa in C57BL / 6 mice after exposure to PM 2.5 urban smog particles	8 000.00
06/M/MG/N/21	Assessment of the prognostic and diagnostic value of extracellular vesicles in type 2 diabetes	8 000.00
07/M/MG/N/21	Effect of disturbance of sphingolipid metabolism on the development of systolic and diastolic heart failure in rats	8 000.00
08/M/MG/N/21	Identification of genetic markers predisposing to recurrence of multiforme adenomas	8 000.00
10/M/MG/N/21	Effect of empagliflozin therapy on microRNAs associated with sirtuin pathways in patients with post-infarction heart failure	8 000.00
11/M/MG/N/21	Diagnostic and prognostic usefulness of miR-19a-3p, miR-186-5p, miR-17-5p and miR-106b-5p in the assessment of ischemic stroke severity	7 990.00
12/M/MG/N/21	Comparison of the use of continuous glucose monitoring systems (Dexcom g6 vs Guardian™ Connect) in diabetic patients undergoing peritoneal dialysis and hemodialysis	7 950.00
14/M/MG/N/21	Assessment of factors limiting the recruitment of elderly people for clinical trials in cancer pain	8 000.00
15/M/MG/N/21	Assessment of the prognostic value of extracellular vesicles in the treatment of diabetic foot in patients with type 1 and type 2 diabetes.	8 000.00
16/M/MG/N/21	Effect of keratin-based dressing on the wound healing process and expression of selected cytokines in a surgical wound model in diabetic rats	8 000.00
17/M/MG/N/21	Development of a program for the detection and histomorphometric measurements of axons and myelin sheaths of peripheral nerves in rats and humans under different staining conditions.	7 941.99
18/M/MG/N/21	Validity of blocking nonspecific antigen binding sites during immunohistochemistry chemical staining of whole organs	8 000.00
19/M/MG/N/21	Picture of whole-genome DNA methylation in people with optic neuropathy in Graves' disease	8 000.00
20/M/MG/N/21	Role of microRNA-410 in the regulation of the epithelial-mesenchymal transition in endometrial cancer cells	8 000.00
21/M/MG/N/21	Concentration of bone uptake proteins and the frequency of fractures in the proximal end of the femur and the relationship of these injuries with reduced muscle mass	8 000.00
23/M/MG/N/21	Identification of new small molecule MLK4 kinase inhibitors	8 000.00
24/M/MG/N/21	Assessment of the dynamics of inflammasome gene expression in patients with acute coronary syndrome	7 785.40
25/M/MG/N/21	Picture of whole-genome DNA in people with moderate-to-severe thyroid-associated orbitopathy in Graves' disease	8 000.00
26/M/MG/N/21	Role of TWEAK and AIM in the assessment of IgAVN advancement in children	8 000.00
28/M/MG/N/21	Influence of genetic dysregulation of malignant salivary gland tumours on the results of oncological treatment	8 000.00
30/M/MG/N/21	Correlation of the expression of selected microRNAs with clinical and histopathological data of patients with endometrial cancer	8 000.00
31/M/MG/N/21	Influence of body position on the result of the oral glucose tolerance test in healthy volunteers	8 000.00
32/M/MG/N/21	Evaluation of the effectiveness of T lymphocytes modified with a chimeric antigen receptor recognizing the PD-L1 molecule against the tumour microenvironment cells	8 000.00
33/M/MG/N/21	Investigation in the effect of platelet-rich plasma injection on regeneration and activity of the ligamentous apparatus after lateral ankle sprain	8 000.00
34/M/MG/N/21	Relationship between IgE-mediated food allergy and gastrointestinal microbiota disorders in atopic dermatitis	8 000.00
36/M/MG/N/21	Research in the design of 3D alloplastic grafts with a biologically modified coating	8 000.00
38/M/MG/N/21	Study of proenkephalin concentration in patients with end-stage renal failure on hemodialysis and peritoneal dialysis	8 000.00
39/M/MG/N/21	Impact of the use of a digital coordinated care system on the control of cardiovascular risk factors in patients with atrial fibrillation	6 427.50
4/M/MG/N/21	Bacterial translocation markers in atopic dermatitis	8 000.00
40/M/MG/N/21	Levels of interleukin-6 and Tumour Necrosis Factor Alpha in patients with myocarditis confirmed by endomyocardial biopsy - IN TIME study	8 000.00
41/M/MG/N/21	iNOS expression and IRE1alpha-XBP1 pathway activity in Sprague Dawley rats with Post-Myocardial Infarction Heart Failure and/or after High-Fat Diet	8 000.00
42/M/MG/N/21	Lipocalin-2 as a potential faecal marker of inflammation in inflammatory bowel diseases in children	8 000.00
43/M/MG/N/21	Assessment of cardiovascular risk using EndoPAT and AGE Reader devices in female patients of reproductive age with endometriosis	7 916.48
44/M/MG/N/21	Effect of keratin-based dressing on the healing process and expression of selected cytokeratins in a surgical wound model in rats with iatrogenically induced diabetes	8 000.00
46/M/MG/N/21	Determination of ANXA2 (Annexin 2) in the peritoneal fluid as a potential biomarker of endometriosis	7 950.00
47/M/MG/N/21	Study of the role of the MEK / ERK pathway in the regulation of the entosis process	8 000.00
48/M/MG/N/21	Role of indoleamine dioxygenase (IDO) in the regulation of immunomodulatory functions of erythroid progenitor cells	8 000.00
49/M/MG/N/21	Effect of 2'-fucosyllactose - a prebiotic derived from human milk on the adhesion of Lactobacillus rhamnosus GG ATCC 53103 and Clostridioides difficile ATCC 9689 to human colon cells and biofilm formation - pilot study	7 846.00

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53/M/MG/N/21	Assessment of the activity of the PI3K / Akt signaling pathway in myocardial ischemia-reperfusion injury in rats with high-fat diet-induced metabolic syndrome.	8 000.00
54/M/MG/N/21	Evaluation of the role of adipose tissue-derived exosomes in the pathogenesis of the metabolic syndrome in an animal model	8 000.00
56/M/MG/N/21	Assessment of the effect of BCAA on the expression of the BCKDC enzyme protein in pancreatic and lung cancer cells and on the proliferation of neoplastic cells	8 000.00
57/M/MG/N/21	Assessment of the level of interleukins IL-1 and TNF-alpha in the peritoneal fluid of infant rats with necrotic enteritis (NEC)	8 000.00
58/M/MG/N/21	Minimization of immunosuppression after liver transplantation	7 500.00
59/M/MG/N/21	Correlation of TnI concentration and inflammatory markers in patients from transplant clinic	8 000.00
60/M/MG/N/21	Derivation of rituximab-resistant cell lines derived from diffuse large B-cell lymphoma (DLBCL) as models to investigate modern therapeutic strategies	8 000.00
62/M/MG/N/21	MiRNA associated with insulin signaling as new biomarkers in patients with type 2 diabetes in a graduated hypoglycemic clamp study	7 990.00
63/M/MG/N/21	Effect of steroid pulse therapy on the activity of the renin-angiotensin-aldosterone system (RAA) described by aldosterone/renin ratio (AR)	8 000.00
65/M/MG/N/21	Analysis of the role of podoplanin and ERM proteins (ezrin, radixin, moesin) in the process of entosis	8 000.00
68/M/MG/N/21	Evaluation of the oxidative stress of an isolated liver transplant depending on the method of organ storage before transplantation	8 000.00
69/M/MG/N/21	Influence of extreme conditions of the Earth's stratosphere on the stability of phenotypes and genotypes of antibiotic resistance of selected human bacterial pathogens, particularly important in the etiology of infections in hospitalized patients	8 000.00
71/M/MG/N/21	Contribution of the ABCA4 gene in maintaining the differentiation potential of epidermal cells	8 000.00
72/M/MG/N/21	Application of capsaicin in the treatment of non-allergic rhinitis and chronic rhinosinusitis with nasal polyps	8 000.00
73/M/MG/N/21	Analysis of entosis in gastric cancer microarrays	8 000.00