



УНИВЕРЗИТЕТ „ГОЦЕ ДЕЛЧЕВ“ ВО ШТИП

To
University “Goce Delchev” - Shtip
Fund for Scientific Research Projects

Application for financing of the scientific research project

Date of application	
Project number	

Title of the Project	THE IMPACT OF THE SOCIAL DETERMINANTS ON THE PERINATAL OUTCOME OF THE NEWBORN CHILDREN
Key words	Social determinants, newborn child, perinatal outcome
FRASCATI classification	3. Scientific field-Medical sciences and health 302 – Clinical Medicine 30217-Pediatrics



PART NUMBER 1:

Abstract (max 250 words)

Background

It is worldwide known that social, cultural, political, and economical environment has direct impact on the health. Although in Macedonia has been reported very high perinatal mortality rate, there are not reliable data about the level of influence of the social determinants on perinatal outcomes.

The aim of this applicative research project is to develop scoring system of the most influential social determinants on the perinatal outcome, to be used by the health workers identifying patients at risk.

The results could serve in prevention of the diseases, and in development of local programs for promotion of sustainable system for improvement of the neonatal health and perinatal outcome, and to get reliable data for evidence-informed decision making for health.

As material should be explored health records of patients in maternity units. It is planned to collect data about the social determinants and to work them statistically. Units of interest are those where majority of adverse perinatal events happen, including at least 75% of the events. According to the Perinatal Report, the most relevant maternity units and hospitals are targeted, treating the most risk patients.

Expected outcomes of the research:

- identification of the common social determinants in patients with adverse perinatal outcome;
- developing statistical scoring system based on the level of correlation for each separate determinant;
- get the evidence which will help in evidence-informed clinical decision making.

In collaboration with the Macedonian perinatal association, these results can help in further development of the strategy for improvement of perinatal healthcare.



Апстракт (македонски, максимум 250 збора)

Вовед

Во светот документирано е дека социјалната, културелната, политичката, општествената и економската средина во којашто живеат пациентите има директно влијание врз нивното здравје. Иако во Македонија има многу висока стапка на перинатален морталитет, во државата сеуште нема прецизни податоци колкаво е влијанието на социјалните детерминанти врз лошиот перинатален исход.

Целта на овој апликативен научно-истражувачки проект е да развие скоринг систем од највлијателните социјални детерминанти врз перинаталниот исход со кој ќе можат здравствените работници да ги идентификуваат истите. Резултатите треба да послужат да се подобри превенцијата и да се развијат локални програми за промоција на одржлив систем за подобрување на неонаталното здравје и перинаталниот исход, и да се дадат веродостојни податоци за донесување на одлуки базирани на докази.

Како материјал ќе биде користена здравствената документација за мртвородени деца и новородени деца во родилиштата во Република Македонија.

Во истражувањето планирано е да се соберат и статистички да се обработат податоците за социјалните детерминанти во родилиштата со најголем број на несакани перинатални исходи, вклучувајќи најмалку 75% од нив. Според перинатолошкиот извештај, таргетирани се најрелевантните родилишта каде се третираат најризичните пациенти.

Очекувани резултати:

- да се идентификуваат заеднички социјални детерминанти кај пациентите кои имале несакан перинатален исход
- да се креира статистички скоринг систем базиран на степенот на корелација за секоја поединечна детерминанта
- да се добијат докази кои ќе помогнат во информирано донесување на клинички одлуки.

Во соработка со Здружението за перинатална медицина, овие резултати ќе можат да помогнат во понатамошното развивање на стратегијата за унапредување на перинаталната здравствена заштита, која во моментот не постои.



Detailed description of the research

Introduction

The demographic development is a key national and social priority of each country and is shaped by the specifics that exist in the population. Health services for mothers and infants should be based on evidence by implementing measures that will be regular, cost effective and sustainable even in conditions of reduced resources.¹

Perinatal mortality is a complex indicator that is associated with the quality of antenatal, prenatal and postnatal care, as part of the three levels of care (primary, secondary and tertiary).

It is well documented that social, cultural, political, social and economic environment in which patients live, has a direct impact on their health. Since the late 70s, the researchers studied how it affects the socio-economic status on health and a range of evidence, suggests that health is a social dependent.

Precisely these studies enabled the establishment of the Commission on "Social determinants of health," the World Health Organization and are aimed at policy change at the national level, but not of interventions targeted to children.²

For early detection and monitoring of those who come from disadvantaged groups, it is important to improve further the system for detecting risk pregnancies, and thus improve health.³

Basic indicators of perinatal health are: the rate of prematurity, rate mortality, rate of perinatal mortality rate of maternal mortality, and social determinants for which there are data that affect these indicators: age of the mother, weight etc. mother and index body weight, an average parity of mother education, socioeconomic conditions, environment of residence (urban or rural) and gestational factors.

Additional factors with an unknown degree are: of influence on perinatal outcome, maternal health, risk factors related to lifestyle (smoking, alcohol, occupation maternal obstetrical history, biological assisted fertilization, number of prenatal controls the rate of induced abortions, number of ultrasonic examinations, family burden of hereditary diseases.⁴

The importance of knowledge of the social determinants and degree of their influence is great importance for reproductive epidemiology and statistics, especially in developing countries (such as classified the countries of South Eastern Europe) because their identification can help the authorities in health care, make decisions based on evidence, not assumptions, which is the main task of the network EVIP-net (evidence-informed policy) where Macedonia is an active participant and promoter of this process.

The need to focus on policies to social determinants of health must be imposed, whereas their nature. Some factors are excluded yet, as expertise to communities and health workers.

Especially the voice of children and people living in impoverished areas, often lacking in design and execution of research on the impact of socioeconomic position on health effects and setting priorities, developing successive interventions.

Currently still remains a major problem about knowledge of social determinants and their impact on children's health.



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¹Strategy and demographic policies in the Republic of Macedonia 2015-2024 year, 2015, page 4, 16-20.

² Kadir A. Qualitative Exploration of the Social Determinants of Child Health in the Dwars River Valley, South Africa: London School of Hygiene and Tropical Medicine; 2013

³ Improving the health of mothers and infants, Safe Motherhood Strategy of the Republic of Macedonia 2010-2015, October 2010, pp 4-7

⁴State Center for Reproductive Health in the Republic Macedonia .Results of perinatology in the Republic of Macedonia 2014, Skopje, January 2016, pp.8-10.



Proposed research

Aim of the study

To develop the way, the scoring system, from the most influential social determinants according to their impact on perinatal outcome, which can healthcare professionals (doctors, midwives and nurses) to identify social determinants of neonatal health and to understand how these determinants affect perinatal outcome of newborns.

Under perinatal outcome means: stillborn, premature birth and neonatal mortality. This study is designed to test the participatory qualitative approach to exploring the impact of social determinants on the health of newborns, from the perspective of the target population and community health workers. This kind of tools are needed to identify the attitudes and priorities of newborns and their communities as best placed, to identify the relevant local social determinants and apply the information to improve and enhance the health of children.

This study serves as a pilot project for more study by health professionals who do this research in their local settings

Additional goals of the research:

1. To understand the social, economic, the culture, political, religious and environments determinants of neonatal health as experienced by people living in the country;
2. To test the feasibility of participatory qualitative research of social determinants of neonatal health in a well defined location and population;
3. To identify the set of social indicators, that can be used by local authorities and organizations at the national level, which will provide for:
 - information for quantitative and participatory research.
 - to improve prevention and clinical care
 - to develop local programs to promote sustainable system for improving neonatal health and perinatal outcome
 - to provide reliable materials and evidence that can be used for making decisions based on evidence, further, that will help to improve neonatal health.

Material :

As a material it will be used health documentation of stillbirths and infants who have poor perinatal outcome in the maternity hospitals in the country.

In the survey , is planned to collect and statistically process data on social determinants from maternity hospitals through the Republic of Macedonia in the places with the largest number of adverse perinatal outcomes, including at least 75% of these cases.

According to perinatalogical results, marked institutions are:

-maternity hospitals within the University Clinic for Gynecology and Obstetrics in Skopje , Clinical Hospital s in Bitola, Stip and Tetovo.

In these hospitals in 2015 have died 108 from 124 newborn in the whole country, while mortinatality covers 124 from 201 fetuses.

-additionally it will takes to process the remaining maternity hospitals in the general hospitals of Prilep, Kumanovo, Kavadarci, Veles, Strumica, because there have died newborns more than any other maternity hospital in general hospitals (these three hospitals have died a total of 9 infants) and a growing



number of stillbirths than others with the same number of births. In these 5 hospitals have a total of 38 from 201 stillborn child. The remaining 39 stillbirths are from other maternity hospitals .

In this way it will cover 94.3% of cases of neonatal deaths and 80.6% of cases of mortinatality, which is highly representative sample of the translation of the results, especially since the intended analysis refers to the general and clinical hospitals from all 8 regions in the country.

This plan allows for analysis, range of different environments and geographical position, and in that way it can affect the availability of quality health care, different ethnic groups and a variety of other social determinants.

Objectives of the study

1. Systematic review of available documentation for stillbirths infants with a poor outcome (desk review) in the country, existing regulations and method of registration, strategy for Safe Motherhood and other relevant documents.
2. On-site registration data on social determinants in the cases analyzed in accordance with the list of the World Health Organization (gender, age, education, employment, rural / urban area of residence, socio-economic status, access to water, electricity, computer, internet , lifestyle, diet, affordability and accessibility of health care), number of antenatal and detected risks. Registration will be conducted under structured questionnaire, validated by the World Health Organization (used at the Institute of Medicine in the UK)
3. Interviews with focus groups (mothers and health personnel) based on standard forms recommended by the World Health Organization.

Design of the study

The study is planned to be carried out as qualitative, participatory, based on the local community. The design of participatory research includes semi-structured questionnaires, forms and discussions, focus groups, observation and document analysis.

Time frame:

- Drafting of an action plan the first week with the approval of funds.
- Systematic review of documentation (desk review) -first two months
- On-site registration data in maternity hospitals and focus group discussions- the first nine months
- Treating the data, one month after the registration
- Analyses of the data, one month after the registration
- Report drafting and sending papers in journals cited in SCI-data analyzed by the end of the first year of approval of funds.



Involvement of researchers in conducting scientific research project:

- Drafting a detailed action plan Prof. Dr. Elizabeta Zisovska

- Systematically document analysis (desk review)

**Prof Dr Elizabeth Zisovska and researchers Dr. Visna Gacova,
Dr.Katerina Dzateva Mitevaska , Goce Kalcev**

**-On site registration of the relevant parameters and social
determinants:**

**Researchers: Goce Kalcev, Dritan Dauti, Simon Beshliev and Prof Dr
Elizabeta Zisovska.**

**-Discussion- Focus groups –maternity hospitals: Prof. Dr. Elizabeta
Zisovska Dr. Visna Gacova ,Goce Kalcev**

-Tilling and analysis of results

**Prof. Dr. Elizabeth Zisovska ,Goce Kalcev, Dr. Visna Gacova,
Dr.Katerina Dzateva Mitevaska, Dritan Dauti, Simon Beshliev**

-

**-Making Report and preparation work for the magazine: Prof. Dr.
Elizabeta Zisovska, Dr. Visna Gacova, Dr. Katerina Dzateva Mitevaska,
Goce Kalcev Dritan Dauti, Simon Beshliev**

**SECOND PART:****Research team:****Lead researcher:**

Name and surname	Elizabeta Zisovska
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Position	Professor of Pediatrics
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Short CV:

Personal details: born 1959 in Prilep, elementary and secondary school completed in birthplace. Medical faculty graduated in 1982, master degree achieved in 1986, and doctoral thesis completed in 1998, in the field of Pediatrics. Specialization of Pediatrics completed in 1989.

Additional educations: internal auditor for family of ISO standards, expert for development of Clinical Guidelines, completed course of reproductive and clinical epidemiology. Training for Evidence based medicine practicing, methodology for research and biostatistics; principles of public health practice, planning and economy in medicine.

Participation on conferences and seminars: Invited lecturer in Bern, Oslo, Sofia, Pleven, Geneva, Rome.

Consultancies: WHO HQ Geneva in the area of Efficacy of essential medicines in neonatology; Montenegro-development of Clinical Guidelines; Serbia-evaluation of maternity hospitals and breastfeeding improvement.

Fellowships and professional visits: Kraguevac, Amsterdam, Sofia, Belgrade, Split, Podgorica, Budapest, Salzburg, Sydney, Geneva, Melbourne.

Skills: conducting systematic reviews in Evidence based medicine, performing meta-analysis, expertise for assessment using GRADE methodology, monitoring and evaluation of programs, management in perinatology, health management, external assessor for quality of health care, public health expert and evidence-informed decision making. Proficient knowledge of English; intermediate use of Spanish, French and Greek; regional languages of SEE countries.

Articles published in the last 5 years in scientific Journals published in SCI - Science citation index, giving the Impact factor for each of them

Palcevska-Kocevska, Snezana and Aluloska, Natasa and Krstevska, Marija and Shukarova-Angelovska, Elena and Kojik, Ljiljana and Zisovska, Elizabeta and Kocevski, Dragoslav and Kocova, Mirjana (2012) *Correlation of Serum Adiponectin and Leptin Concentrations with Anthropometric Parameters in Newborns*. Srpski Arhiv Celokupnog Lekarstva, 140 (9-10). pp. 595-599. ISSN 0370-8179 **IF=0,277**

Tavciosa, G and Zisovska, Elizabeta (2012) *Early neonatal death due to intracranial haemorrhage: Can be predicted?* Developmental Medicine and Child Neurology . p. 50. ISSN 0012-1622 **IF=3,615**

Gurzanova-Dunev, Liljana and Zisovska, Elizabeta and Gosik-Markovska, Bozidarka (2013) *Cord blood superoxide dismutase and glutathione peroxidase activity in premature infants*. Journal of Medical Biochemistry, 33 (2). pp. 211-215. ISSN 1452-8258 **IF=0,742**

Zisovska, Elizabeta and Gurzanova-Dunev, Liljana and Trajkova, Kornelija (2016) *Brain damage and enzyme activity following birth asphyxia*. Sylwan Journal. English Edition (Sec 2), 160 (2). pp. 1-19. ISSN 0039-7660 **IF=0,251**



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Petrusevska, Aneta and Spasovski, Mome and Zisovska, Elizabeta and Isjanovska, Rozalinda (2016) *Quality in a preaccreditation period as perceived by the healthcare professionals in hospitals in R. Macedonia*. International Journal of Current Research, 8 (7). pp. 35238-35243. ISSN 0975-833X **SIF=6,26**

Zisovska, Elizabeta (2015) *Assessment of Procedural Pain in Term Neonates in Neonatal Department in Skopje*. Maced Med Electr J, 7 (2015). pp. 1-7. ISSN 1857-9809 IF OAJI= 0.101 **Cited by Google Scholar, CrossRef**

Petrusevska, Aneta and Kjosevska, Elena and Isjanovska, Rozalinda and Zafirova, Beti and Spasovski, Mome and Zisovska, Elizabeta(2015) *Evaluating Perceptions of the Healthcare Providers Concerning Accreditation in Healthcare Organizations in the R. Macedonia*. Journal of US-China Public Administration, 12 (6). pp. 485-496. ISSN 1548-6591 ISSN 1935-9691(online) **Indexed in Google scholar; CiteFactor (USA); SJournals**

Zisovska, Elizabeta (2013) *The Importance of Down Syndrome Phenocopies in the Newborns in Tertiary Obstetric Hospital*. Macedonian Journal of Medical Sciences, 15 (6(4)). pp. 370-375. ISSN 1857-5773 **SCImago Journal Rank (SJR) 2015: 0.126**

Zisovska, Elizabeta (2016) *Facial Expression and Physiological Changes in Newborns Following Procedural Pain*. International Journal of Sciences: Basic and Applied Research (IJSBAR), 27 (2). pp. 219-228. ISSN 2307-4531 currently considering by Thomas Reuter

Petrusevska, Aneta and Dimitrovska, Vera and Zisovska, Elizabeta and Spasovski, Mome (2016) *Standpoint of Medical Staff about Accreditation in a Preaccreditation Period in Hospitals in Republic of Macedonia*. International Journal of Sciences: Basic and Applied Research (IJSBAR), 160 (2). pp. 242-251. ISSN 2307-4531 currently considering by Thomas Reuter

Participation in research projects:

Title of the project	Period	Financed by	Role in the Project (lead or participant)
Postpartum and postnatal care of the newborn	2008-2010	WHO HQ Geneva	Participant
Guidelines for neonatal seizures	2008-2011	WHO HQ Geneva	Participant
Systematic Review on anesthetics in neonates	2013	WHO HQ Geneva	Lead researcher
Ethical frame for Good governance of medicines in the public sector in Macedonia	2012	WHO CO Skopje	Participant

Tasks and responsibilities in the Project-proposal with timeframe:

- Development of Action plan for implementation of the Project activities-first week after fund approval
- Systematic desk review –first two months
- Field visit and registration in maternity units and focus groups discussion-first nine months
- Data analysis and statistical work out-one month after the registration is completed
- Report generation and publishing an article in an International Journal cited in SCI with analyzed data-up to the end of the first year following approval of the fund



Researcher:

Name and surname	Goce Kalcev
Title	Student of general medicine
Position	Student in first cycle of studies , Faculty of medical sciences, University “Goce Delcev Stip“
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Short CV:

Work and Volunteering Experience

2016

Medical Internship at Gynecology Department;

Evangelisches Waldkrankenhaus Spandau ; Berlin, Germany

2016

Berlin Global Health Summer School 2016

Berlin, Germany

2010-2011

Volunteering and working with hearing disabled/deaf children;

Skopje, Macedonia

2011-2013 [Summer Internship]

Volunteering and working at University Clinic of Gynecology and Obstetrics

State Clinical Center; Skopje, Macedonia

Education and training

Currently: **Student of Medicine** - "Goce Delcev" University; Stip, Macedonia
(top in the class student)

- Certificate of participation in the skills for employability (2010)
- Certificate of participation on workshop: Antenatal care of pregnant women (2011)
- Certificate of participation on workshop: Types of medical probes and applying medical probe-practical knowledge (2012)
- Certificate for active participation on 35th International Medical Scientific Congress (2012)
- Certificate for participation on ophthalmic symposium: News in ophthalmology (2016)



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-Certificate of participation on International conference : New strategies in fight against cancer, Paris (2016) -

Other qualifications

- ✓ Good Computer knowledge of Microsoft Office
- ✓ Languages spoken: Macedonian, English, Serbian

Articles published in the last 5 years in scientific Journals published in SCI - Science citation index, giving the Impact factor for each of them

Participation in research projects: No
articipation in research projects:

Title of the Project	Period	Financed by	Role within the Project (lead researcher or participant)

Tasks and responsibilities in the draft proposal with timeframe:

Tasks in the project proposal timetable:

- Systematically review of documentation (desk review) -first two months
- On site registration data in maternity hospitals and focus group discussions- the first nine months
- Treating the data, one month after the registration
- Analyses of the data, one month after the registration
- Report drafting and sending papers in journals cited in SCI-data, analyzed by the end of the first year of approval of funds

**Researcher:**

Name and surname	Vishna Gacova MD		
Title	Medical doctor		
Position	Student on second cycle of studies Specialization in Pediatrics at the Faculty of medical sciences, University "Goce Delcev		
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Short CV:

- 2005-2011 Student of the Medical Faculty, University "Ss. Cyril and Methodius"
- Certificate of attendance for "The 4th congress of the Infectologist of the Republic of Macedonia" 2012- abstract "Infectious mononucleosis"
- 2013 - employed as a medical doctor at the pediatrics department in Clinical Hospital Shtip.
- Certificate of attendance for "The XI Balkan congress of radiology" 03-06.2013 – abstracts "Hypertrophic pyloric stenosis", "The role of the MRI in the diagnosis of brain metastases",
- Certificate of attendance for " The 12 th Balkan congress of Radiology" Istambul 16-19.11.2014 – abstract "Congenital diaphragmatic hernia", "Cerebrovascular malformations – cavernous angioma"
- 22.02.2015-20.03.2015 attending medical training in the field of gynecology and obstetrics in Splošna bolnišnica Novo mesto.
- 26-29.03.2015 Certificate of attendance for "The 1st congress of the physical therapist of the Republic of Macedonia"– Lecture on "MRI diagnosis of disc hernia"
- On 22.02.2016 started with my second cycle of studies. Specialization in Pediatrics at the Faculty of medical sciences, University "Goce Delcev"
- Joint author of the publication "Gallbladder perforation" for the newsletter - "Vox Medici" No.90 March 2016.
- English language advanced knowledge.

Articles published in the last 5 years in scientific Journals published in SCI - Science citation index, giving the Impact factor for each of them

Participation in research projects: No

Participation in research projects:

Title of the Project	Period	Financed by	Role within the Project (lead researcher or participant)



Tasks and responsibilities in the Project proposal with timeframe:

- Systematic review of documentation (desk review) -first two months
- Discussion- Focus groups-the first nine months
- Treating the data, one month after the registration
- Analyses of the data-one month after the registration
- Report drafting and sending papers in journals cited in SCI-data analyzed by the end of the first year of approval of funds



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Researcher:

Name and surname	Katerina Dzateva Mitreva
Title	Medical doctor
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Address	st., Braka Miladinovi “ 55, 3/6 , Strumica
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Short CV:

- 1999-2003 →”Jane Sandanski” Shtip (midwife)
- 2003-2009→graduated at the Medical Faculty in Plovdiv, Bulgaria
- 2010-2014→primary physician, general practitioner
- 2014-2014 seven months doctor at the Center for haemodyalisis in “Diamed” Strumica
- 2014-December, Health Center Strumica, for healthy children Department and immunization
- 2016((February) – specialization of Pediatrics, University “Goce Delchev” Shtip
- 2016 June) fellowship in “Tokuda” Sofia, Bulgaria

Articles published in the last 5 years in scientific Journals published in SCI - Science citation index, giving the Impact factor for each of them

Participation in research projects: No



Participation in research projects:

Title of the Project	Period	Financed by	Role within the Project (lead researcher or participant)

Tasks and responsibilities in the draft proposal with timeframe:

Tasks in the project proposal timetable:

- systematically review of documentation (desk review) -first two months
- treating the data, one month after the registration
- analyses of the data, one month after the registration
- report drafting and sending papers in journals cited in SCI-data analyzed by the end of the first year of approval of fund



Researcher:

Name and surname	Dritan Dauti		
Title	Student of general medicine		
Position	Student in first cycle of studies , Faculty of medical sciences, University “Goce Delcev “Stip		
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e-mail	dritan.dauti@yahoo.com Dritan.151261@student.ugd.edu.mk		

Short CV:

Student in study program General Medicine, generation 2012-2013. Registered active 9th semester in the 5th year of study.

-Certificate for passive participant in International student’s symposium of faculty of medical sciences „Celebrating achievements in medicine, promoting health and sharing knowledge”

-Certificate for passive participant in International symposium for the newest achivments in medical and biomedical branches.

Internships :

08/2013-09/2013 – Department of Internal Medicine (General Hospital - Ohrid)

07/2014-08/2014 -The National Institute of Cardiovascular Diseases -Bratislava, Slovakia

07/2014-08/2014 – Children's hospital surgery clinic and children urologic clinic (Klinika detskej chirurgie LF UK a DFNSP Bratislava) Bratislava, Slovakia .

08-2015-09/2014 - Department of Internal Medicine (General Hospital - Ohrid)

07/2015-08/2015 -The National Institute of Cardiovascular Diseases -Bratislava, Slovakia

08-2015-09/2015 – Department of Internal Medicine (General Hospital- Ohrid)

Languages : Albanian (mother language) , Macedonian , Slovak, Czech , English, Turkish .

Articles published in the last 5 years in scientific Journals published in SCI - Science citation index, giving the Impact factor for each of them



Participation in research projects: No

Tasks in the project -proposal timetable:

-On site registration documentation and social determinants-the first nine months
Treating the data, one month after the registration
Analyses of the data, one month after the registration
Report drafting and sending papers in journals cited in SCI-data analyzed by the end of the first year of approval of funds

Participation in research projects:

Title of the Project	Period	Financed by	Role within the Project (lead researcher or participant)

Tasks and responsibilities in the draft proposal with timeframe:

**Researcher:**

Name and surname	Simon Besliev		
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Short CV:

Student in study program General Medicine, generation 2012-2013. Registered active 9th semester in the 5th year of study with average success of 8.57 .

-Certificate for passive participant in International student’s symposium of faculty of medical sciences „Celebrating achievements in medicine, promoting health and sharing knowledge”

-Certificate for passive participant in International symposium for the newest achivments in medical and biomedical branches.

Internships :

- Institute of Nuclear Medicine

Articles published in the last 5 years in scientific Journals published in SCI - Science citation index, giving the Impact factor for each of them

Participation in research projects: No



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Tasks in the project proposal timetable:

-On site- registration documentation and social determinants-the first nine months
Treating the data, one month after the registration
Analyses of the data, one month after the registration
Report drafting and sending papers in journals cited in SCI-data analyzed by the end of the first year of approval of funds

Participation in research projects:

Title of the Project	Period	Financed by	Role within the Project (lead researcher or participant)

Tasks and responsibilities in the draft proposal with timeframe:



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Infrastructure needed for the research

Research capacities and equipment

Please provide a detailed description of the infrastructure and equipment which will be available to researchers in the institutions, participating in the project

For the implementation of the activities envisaged in this scientific research project, requires the following resources:

-drafting and printing semi-structured question for discussion in focus groups (computer paper, copier toner)

-drafting and printing the registration-form data (computer paper, copier toner)

-for the realization of field visits in maternity hospitals around Republic of Macedonia, needs a lease (use) of light vehicle, the supply of fuel for motor vehicles, paper, copying services, travel and per diem expenses.

◆ Organization of meeting with members of the Macedonian Association of Perinatal Medicine (lease of the hall, projector, printing of information material)

-phones for all researchers, for everyday communication as each other and also with the staff from maternity hospitals.

-Payment of funds for the publication of the results in cited international journal (at least one work).

-proclaim the publication (monograph) of the situation in the country (the impact of social determinants on perinatal outcome) at the end of the research period, payment for technical editing and printing.



УНИВЕРЗИТЕТ „ГОЦЕ ДЕЛЧЕВ“ ВО ШТИП

Necessary financing:

Costs (in MKD)

Number	Type of costs	First year	Second year	Total
420	Travel and daily costs			
421	Costs for heating, communication, transport, etc			
423	Equipment, supplies, other			
424	Repairs and other costs			
425	Costs related to agreements			
TOTAL COSTS		200 000,00		200 000,00



УНИВЕРЗИТЕТ „ГОЦЕ ДЕЛЧЕВ“ ВО ШТИП
Annex 1

Title of the Project:

**THE IMPACT OF THE SOCIAL DETERMINANTS ON THE PERINATAL
OUTCOME OF THE NEWBORN CHILDREN**

Project number

Approval of the researchers and institutions included in the Project

Lead researcher: (name, signature, date)	Prof d-r Elizabeta Zisovska 14.12.2016
Researcher: (name, signature, date)	Goce Kalcev 14.12.2016
Researcher: (name, signature, date)	d-r Visna Gacova 14.12.2016
Researcher: (name, signature, date)	d-r Katerina Dzateva Mitevska 14.12.2016
Researcher: (name, signature, date)	Dritan Dauti 14.12.2016
Researcher: (name, signature, date)	Simon Besliev 14.12.2016
Manager of the Institution of the Lead researcher	Name and surname, title: Prof d-r Rubin Gulaboski, Dean
	Prof d-r Ivona Kovachevska, vice dean
	Institution:
	Signature and stamp:
Manager of the Institution of the other researchers	Name and surname, title:
	Institution:
	Signature and stamp:



УНИВЕРЗИТЕТ „ГОЦЕ ДЕЛЧЕВ“ ВО ШТИП

Annex 2

Statement

I, Prof d-r ELIZABETA ZISOVSKA, as a lead researcher, under ethical and material responsibility, am enclosing my statement that the proposed Project is not financed by any other source of financing.

Date

Signature