TM

University of Pécs

Centre for
TRANSLATIONAL
MEDICINE

STUDENTS & PROJECTS

2019

In September 2019, **20 research fellows started their scientific carrier** in the Centre for Translational Medicine, University of Pécs in clinical and basic research PhD programs (with 17 and 3 research fellows, respectively). This brochure aims to describe the research projects in which the fellows are working.

SUPPORT AND SUPERVISION

Clinical scientific supervisor: a senior clinician (expert) who raises relevant clinical questions, determines the direction of the research and bridges the gap between the theoretical and clinical work in the clinical PhD program. *Basic research supervisor:* a senior research fellow (expert) who raises relevant basic research questions, determines the direction of the research and ensures that the methodology used in the basic research PhD program meets the international standards. *Educational supervisor:* an expert in pathophysiology who provides support in academic education. *Scientific methodology supervisor:* a methodologist who has experience in designing and carrying out translational research projects and provides methodological support in various aspects of science including meta-analyses, patient registries, and clinical trials.

Researchfellows are offered to participate in 6-, 12-, and 24-month scientific education, as indicated in the orange badge.

The projects are managed by study groups which consist of at least a **junior fellow** and a **senior fellow** and which perform research on a specific field of medicine (e.g., Hungarian Pancreatic Study Group). A research fellow can participate in multiple study groups with different projects, as indicated in the blue badge.

The number in the badges indicate the number of **meta-analyses, patient registries, clinical trials,** and **basic research projects** in which the research fellow is the principal investigator (first author), as indicated in the purple, green, red, and pink badges, respectively.

Péter Hegyi
Strategic Director

Bálint Erőss
Medical Group Leader

Márta Balaskó
Educational Director

Zsolt Szakács
Scientific Programme Director

KLEMENTINA OCSKAY

months 24

study-g **3** · meta **1** · registry **3** · trial **1** · basic **-**

Age: 25y

Former institution: Semmelweis University, Budapest, Hungary

Clinical scientific supervisor: Péter Hegyi, Andrea Párniczky, Zsolt Molnár, Gabriella Pár

Scientific methodology supervisor: Zsolt Szakács

Educational supervisor: Erika Pétervári

Study groups: Hungarian Pancreatic SG
Hungarian Intensive Care SG
Hungarian Hepatology SG

E-mail: ocskay.klementina@gmail.com

Klementina is participating in a **24-month clinical PhD fellowship** programme. She is currently working on **network meta-analysis**, evaluating the benefits of liver support in patients who had sustained acute-on-chronic liver failure. She is responsible for planning a **randomized clinical trial** which aims to reduce the recurrence rate of alcoholic acute pancreatitis by complex lifestyle intervention. Her third project includes a **multicentre patient registry** which records the clinical cases of decompensated cirrhosis (DELIVER-IT). As her fourth area of research, a **cohort analysis** is currently being performed using the data available from the Acute Pancreatitis Registry of the Hungarian Pancreatic Study Group. The aim of this project is to analyse the effect of hypoalbuminemia on disease severity and disease course. Furthermore, she plans to carry out a **retrospective study** of patients who underwent liver transplant and received artificial liver support therapy. This project will be conducted in cooperation with the Department of Transplantation and Surgery of the Semmelweis University.

EXPECTED DEADLINES

Network meta-analysis submission: January 2020
Registry analysis submission: February 2020
Registry establishment: November 2019
Clinical trial protocol submission: March 2020
Retrospective cohort study submission: May 2020

NÓRA VÖRHENDI

	months	study-g	meta	registry	trial	basic
	24	**2**	**1**	**2**	**-**	**-**

Age:	24y
Former institution:	University of Pécs, Pécs, Hungary
Clinical scientific supervisor:	Bálint Erőss
Scientific methodology supervisor:	Bálint Erőss
Educational supervisor:	Margit Varjú-Solymár
Study groups:	Hungarian GI Bleeding SG Hungarian Esophageal Cancer SG
E-mail:	vorinocci@gmail.com

Nóra is participating in a **24-month PhD fellowship** programme. Upper gastrointestinal bleeding is a common condition which still has high mortality rate despite all modern therapeutic approaches. Her main goal is to plan and operate the **gastrointestinal bleeding registry**. In addition, she runs a **diagnostic test accuracy meta-analysis** which aims to investigate different testing methods of Helicobacter pylori in patients with peptic ulcer bleeding. She is involved in a second project, an **interventional meta-analysis** studying the side effects of bisphosphonate therapy in osteoporotic patients with special emphasis on severe adverse events. As for her secondary objective, she is involved in the operation of the **Esophageal Cancer Registry**, as well.

EXPECTED DEADLINES

Diagnostic accuracy meta-analysis submission: January 2020
Registry establishment (GI Bleeding): October 2019
Registry analysis (Esophageal Cancer Registry): June 2020

BERNADETT CZIBERE

months
24

study-g **meta** **registry** **trial** **basic**
2 **1** **2** **-** **-**

Age:	27y
Former institution:	University of Debrecen, Debrecen, Hungary
Clinical scientific supervisor:	Alizadeh Hussain
Scientific methodology supervisor:	Zsolt Szakács
Educational supervisor:	Erika Pétervári
Study groups:	Hungarian Hematology SG
E-mail:	bernadettczibere@gmail.com

Bernadett is participating in a **24-month PhD fellowship** programme. Bernadett's primary aim is to set up a nationwide **patient registry** in order to prospectively collect and analyse data on clinical characteristics, diagnostics, therapeutic interventions and mortality of chronic myeloid leukemia (CML) patients who had been admitted to the hospital with arterial and venous complications. In addition, a **prognostic meta-analysis** is currently in progress to investigate prognostic factors contributing to the development of arterial and venous thrombotic events in CML patients and other chronic myeloproliferative neoplasms. As regard to the secondary objective, she is contributing to the development of another patient registry recording the data of patients with multiple myeloma.

EXPECTED DEADLINES

Prognostic meta-analysis submission: January 2020
Registry establishment: December 2019

MÁRK FÉLIX JUHÁSZ

months
24

study-g	meta	registry	trial	basic
2	1	1	1	-

Age: 25y

Former institution: Semmelweis University
Budapest, Hungary

Clinical scientific supervisor: Péter Hegyi
Andrea Párniczky

Scientific methodology supervisor: Andrea Párniczky

Educational supervisor: Márta Balaskó

Study groups: Hungarian Pancreatic SG
Hungarian Cystic Fibrosis SG

E-mail: flixjuhsz@gmail.com

Félix is participating in a **24-month PhD fellowship** programme. Since cystic fibrosis is often associated with vitamin deficiency and its consequences, Félix is currently working on an **interventional meta-analysis** assessing the harms and benefits of vitamin D supplementation in patients with cystic fibrosis. His other primary objective is to set up a multicentre **randomized controlled trial** which aims to investigate the effects of dietary interventions on the recurrence rate of idiopathic acute pancreatitis. In this study, he plans to compare the effects of a standard healthy diet to that of a low-fat (<15%) diet and to that of a low-carb high-fat (>70%) diet. His secondary aim is to plan and set up a pediatric **patient registry** to follow-up the study population of the APPLE-trial which investigated the etiology, genetic background and therapy of pediatric pancreatitis.

EXPECTED DEADLINES

Interventional meta-analysis submission: January 2020
Clinical trial protocol submission: December 2019
Registry establishment: March 2020

DÓRA DOHOS

months
24

study-g	meta	registry	trial	basic
1	1	2	1	-

Age:	25y
Former institution:	Semmelweis University, Budapest, Hungary
Clinical scientific supervisor:	Patrícia Sarlós
Scientific methodology supervisor:	Patrícia Sarlós Andrea Párniczky
Educational supervisor:	Márta Balaskó
Study groups:	Hungarian Crohn's & Colitis SG
E-mail:	dohos.dora@gmail.com

Dóra is participating in a **24-month PhD fellowship** programme. Her first priority includes the setup and operation of the TRANS-IBD, which is a pragmatic, multicentre **randomized control trial** investigating transitional care in adolescents' suffering from IBD. In addition, she is currently working on a **meta-analysis**, which aims to examine the relapse rate and survey any possible prognostic factors after de-escalating drugs (immunosuppressants and/or biological agents) in IBD patients. She is operating an ongoing **patient registry** collecting data of IBD patient in multiple centres, while another patient registry on polyposis syndromes in children and adults is under preparation.

EXPECTED DEADLINES

Interventional meta-analysis submission: January 2020
Clinical trial protocol submission: October 2019
Registry establishment (GI polyposis): March 2020
Registry analysis (IBD): April 2020

FANNI DEMBROVSZKY

months	study-g	meta	registry	trial	basic
24	1	1	1	2	-

Age:	25y
Former institution:	University of Pécs, Pécs, Hungary
Clinical scientific supervisor:	Zoltán Péterfi
Scientific methodology supervisor:	Zsolt Szakács
Educational supervisor:	Eszter Hegyi
Study groups:	Hungarian Infectology SG
E-mail:	fanni5257@freemail.hu

Fanni is participating in a **24-month PhD fellowship** programme. Her plan is to compose a **network meta-analysis** about the different therapeutic options including antimicrobial agents and fecal transplantation of recurrent Clostridium difficile infection. In addition, she is involved in the organising of **two randomized controlled clinical trials**: one will examine the efficacy and safety of fecal microbiota transplantation in patients with newly diagnosed non-alcoholic fatty liver disease (NAFLD), while the other one will compare the efficacy and safety of fecal microbiota transplantation and fecal filtrate transplantation in recurrent Clostridium difficile infection. She is responsible for planning and setting up a nationwide **patient registry** to monitor Clostridium difficile infection, as the most frequent nosocomial infection with a high recurrence rate.

EXPECTED DEADLINES

Network meta-analysis submission: January 2020
Clinical trial protocol submission (NAFLD): January 2020
Clinical trial protocol submission (Clostridium): March 2020
Registry establishment: December 2019

DÓRA KRISZTINA KOVÁCS

months
24

study-g 1
meta 3
registry -
trial -
basic 3

Age:	24y
Earlier Institution:	University of Pécs, Pécs, Hungary
Basic research supervisor:	Márta Balaskó
Scientific methodology supervisor:	Márta Balaskó
Educational supervisor	Márta Balaskó
Study groups:	Energy Balance Research Group
E-mail:	dora950222@gmail.com

Her **basic research** focuses on the complex central effects of urocortin 2 (Ucn2) on metabolic parameters, e.g. oxygen consumption, heart rate, body temperature, food intake and body weight in male Wistar rats. Furthermore, she is planning to investigate the changes in the effects of this peptide on animals of different training levels. The third area of her research focuses on the comparison of Ucn2 effects in male and female rats.

Dóra is currently working on **three meta-analysis** projects. With regard to the interventional analysis of the effects of ketogenic diets on cognitive functions, data analysis is still in progress, since the variable scores and units of various cognitive tests present a challenge for our statisticians. The second project on the effects of body weight reduction (WL) combined with positive pressure ventilation (CPAP) on cardiovascular risk factors in obstructive sleep apnea (OSAS) has reached the stage of completed statistical analysis and quality assessment. The preparation of the manuscript is under progress. The most recent meta-analysis of Dóra on the beneficial cardiovascular effects of Ucn2 in human heart failure has progressed well, data extraction is completed.

EXPECTED DEADLINES

Meta-analysis 1 submission (Ketogenic diet on cognitive functions): March 2020
Meta-analysis 2 submission (OSAS: CPAP / WL vs CPAP+WL): January 2020
Meta-analysis 3 submission (Urocortin2 in human heart failiure): February 2020
Basic research project Ucn2 and aging: July 2022
Basic research project Ucn2 and training: July 2020
Basic research project Ucn2 and gender: July 2021

SZABOLCS KISS

months	study-g	meta	registry	trial	basic
24	2	2	2	-	-

Age:	24y
Former institution:	University of Szeged, Szeged, Hungary
Clinical scientific supervisor:	Alizadeh Hussain Andrea Szentesi
Scientific methodology supervisor:	Zsolt Szakács
Educational supervisor:	Margit Varjú-Solymár
Study groups:	Hungarian Hematology SG Hungarian Pancreatic SG
E-mail:	kissszabolcs1995@gmail.com

Szabolcs is participating in a **24-month PhD fellowship** programme. He is involved in the operation of the Acute Pancreatitis Registry and is doing a **cohort analysis** of the clinical characteristics of acute necrotising pancreatitis and its predictive factors. His **meta-analysis** investigates the safety and efficacy of granulocyte and monocyte apheresis (GMA) in ulcerous colitis. He will perform a **network meta-analysis** assessing all therapeutic options in newly-diagnosed patients with multiple myeloma. In addition, he will set up a **patient registry** on multiple myeloma to monitor the epidemiology and therapy of this rapidly evolving area.

EXPECTED DEADLINES

Interventional meta-analysis submission: November 2019
Network meta-analysis submission: September 2020
Registry analysis submission (pancreatitis): December 2019
Registry establishment (MM): January 2020

LAJOS SZAKÓ

months	study-g	meta	registry	trial	basic
24	2	2	2	-	-

Age:	25y
Former institution:	University of Pécs, Pécs, Hungary
Clinical scientific supervisor:	Bálint Erőss Áron Vincze
Scientific methodology supervisor:	Bálint Erőss
Educational supervisor:	János Garai
Study groups:	Hungarian Esophageal Cancer SG Hungarian Endoscopy SG
E-mail:	szaklaj@gmail.com

Lajos is participating in a **24-month PhD fellowship** programme. One of his main goals is to operate the **Esophageal Cancer Registry** and prepare a **cohort analysis** of the patients included. In addition, he conducts a **meta-analysis** concerning the treatment of T1B-T2 esophageal cancer which compares minimal invasive surgery and open surgery. His secondary objective is to participate in the work of the operation of the **ERCP Registry**. Concerning the high number of cases enrolled, he will make an analysis of the currently available data. As an ancillary project, he is involved in a **methodological review** concerning the quality of meta-analyses of post-ERCP pancreatitis.

EXPECTED DEADLINES

Interventional meta-analysis submission: January 2020
Network meta-analysis submission: September 2020
Registry analysis submission (ERCP): June 2020
Registry analysis submission (esophageal cancer): June 2020

MARCELL IMREI

months

24

study-g 2

meta 1

registry 1

trial 1

basic -

Age:	26y
Former institution:	Semmelweis University, Budapest, Hungary
Clinical scientific supervisor:	Judit Bajor Andrea Párniczky
Scientific methodology supervisor:	Zsolt Szakács
Educational supervisor:	Margit Varjú-Solymár
Study groups:	Hungarian Celiac Disease SG Hungarian Cystic Fibrosis SG
E-mail:	marcell.imrei@gmail.com

Marcell is participating in a **24-month PhD fellowship** programme. He is involved in the development and maintenance of the **Hungarian Celiac Disease Registry**, launched to record data on celiac patients and to compile data on epidemiology, clinical symptoms, complications, inheritance pattern, and dietary questions related to celiac disease. In addition, he is currently setting up a **case-control study** to assess the prevalence of celiac disease among cystic fibrosis and to compare the clinical phenotype of patients with cystic fibrosis and celiac disease to that of those with cystic fibrosis and without celiac disease. He investigates the prevalence of different autoimmune diseases among patients with cystic fibrosis by performing an **epidemiological meta-analysis**.

EXPECTED DEADLINES

Epidemiological meta-analysis submission: January 2020
Registry analysis submission: June 2020
Case-control study paper submission: March 2020

SZILÁRD VÁNCSA

months
24

study-g **2**
meta **2**
registry **1**
trial **-**
basic **-**

Age: 25y

Former institution: University of Medicine, Pharmacy, Science and Technology of Târgu Mureș, Târgu Mureș, Romania

Clinical scientific supervisor: Gabriella Pár
Péter Jenő Hegyi

Scientific methodology supervisor: Zsolt Szakács

Study groups: Hungarian Hepatology SG
Hungarian Pancreatic SG

E-mail: vancsasz@yahoo.com

Szilárd is participating in a **24-month PhD fellowship** programme. His primary project is to investigate the prognostic role of fatty liver in acute pancreatitis by performing a **prognostic meta-analysis** and a **cohort analysis** from the Acute Pancreatitis Registry. He has another **interventional meta-analysis** in progress to assess the risk of hepatocellular carcinoma in direct-acting antiviral treated hepatitis C virus-infected patients. He participates in **three patient registries**, including patients with non-alcoholic fatty liver and steatohepatitis, Wilson' disease and autoimmune hepatitis.

EXPECTED DEADLINES

Prognostic meta-analysis submission: January 2020
Interventional meta-analysis submission: June 2020
Registry analysis submission: September 2020

MÁRIA FÖLDI

months
24

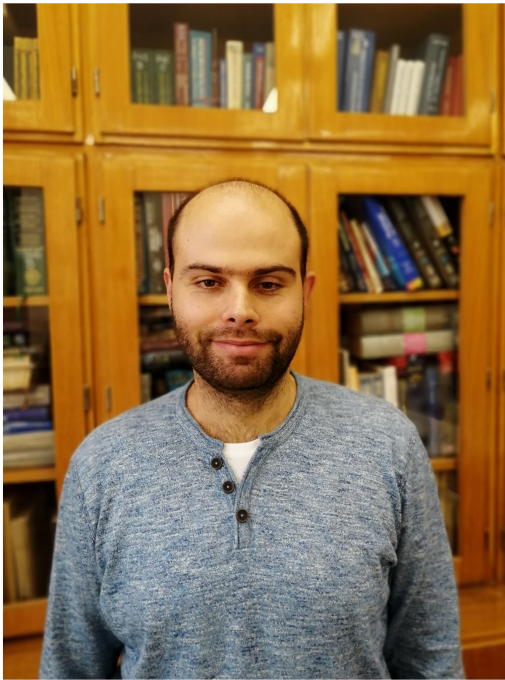**study-g** 2   **meta** 1   **registry** 2   **trial** -   **basic** -

Age: 25y

Former institution: University of Szeged, Szeged, Hungary

Clinical scientific supervisor: Péter Hegyi
Andrea Szentesi

Scientific methodology supervisor: Zsolt Szakács
Andrea Szentesi

Educational supervisor: András Garami

Study groups: Hungarian Pancreatic SG
Hungarian Obesity SG

E-mail: foldimarcsi4@gmail.com

Mária is participating in a **24-month PhD fellowship** programme. She is currently performing a **cohort analysis** on the prognostic and diagnostic role of acute abdominal pain in acute pancreatitis. Since obesity is a major concern of modern societies, she will set up a **patient registry** to improve the understanding of the disease course and to identify potential risk factors for common comorbidities and complications. She is performing an **interventional meta-analysis** to test the efficacy and safety of transverse abdominis plane (TAP) blockade after bariatric surgery, which procedure has often been used recently.

EXPECTED DEADLINES

Interventional meta-analysis submission: January 2020
Registry analysis submission (pancreatitis): December 2019
Registry establishment (obesity): January 2020

LEONARDO KELAVA

months
24

study-g 1
meta 1
registry -
trial -
basic 1

Age:	33y
Former institution:	School of Medicine, University of Zagreb, Zagreb, Croatia
Basic research supervisor:	András Garami
Scientific methodology supervisor:	Ivan Ivić
Study groups:	Thermophysiology SG
E-mail:	leonardo.kelava2@gmail.com

Leonardo is currently working on an extensive translational research project, which consists of 3 main pillars: 1) engineering a novel **experimental setup**; 2) applying of the new setup in **basic research experiments**; and 3) **validating of the basic research** topic in humans with **meta-analysis.** Based on literature data he will evaluate and analyze the impacts of transient receptor potential (TRP) V1 channel agonists on blood cholesterol levels. While the statistical analysis is in process, he is improving his technical skills, i.e., working with wire myograph system DMT 620 and isolating carotid and tail-skin arteries from mice and rats. He will use those skills in experiments with knockout (TRPV1 and TRPA1) mouse models and study the role of TRP channels in a variety of thermophysiological processes. He is also collaborating with the 3D-printing team on the technical perfection of a rapid temperature-exchanging device to be used in investigating the roles of TRPA1 and TRPV1 receptors in pathological conditions such as systemic inflammation.

EXPECTED DEADLINES

Practicing technical skills until end of October 2019
Development of new experimental setup (rapid temperature-exchanging): November 2019
Start of animal experiments: December 2019
Meta-analysis submission: January 2020

SZIMONETTA EITMANN

	months	study-g	meta	registry	trial	basic
	24	2	4	-	-	2

Age:	26y
Former institution:	University of Pécs, Pécs, Hungary
Scientific methodology supervisor:	Erika Pétervári
Educational supervisor:	Erika Pétervári
Basic research supervisor:	Erika Pétervári
Study groups:	Gerontology Research Group Energy Balance Research Group
E-mail:	nettyrs@gmail.com

Szimonetta investigates the long-term effects of overnutrition on the regulation of the metabolic balance and aging. She is working on **multiple prognostic meta-analyses**. Three of them focus on the effect of maternal overnutrition on offspring's insulin sensitivity (submitted manuscript, under review), blood pressure (in preparation) and obesity in adulthood (in progress). Her newest meta-analysis aims to clarify the impact of obesity on mortality, quality of life and frailty in sarcopenic adults. Szimonetta's **basic animal research** aims to clarify the regulatory mechanisms in the background of long-term effects: how does the perinatal overnutrition change the function of appetite-regulating centers involving neuropeptides of hypothalamus-adipose tissue axis and the gut–brain communication during the course of life? She is currently working on in vivo and in vitro animal experiments in perinatally overfed rats to explore the long-term aging-related biphasic changes of neuropeptidergic body weight regulation, which may promote an earlier onset of both middle-aged obesity and aging anorexia leading to sarcopenia. Her project involves investigation of the age-related changes in hypothalamic neuropeptide systems complemented with a novel experimental approach: RNA Scope method in collaboration with the Department of Anatomy, University of Pécs.

EXPECTED DEADLINES

Submission of the meta-analysis on the maternal overnutrition and the obesity in adult offspring: 2019.
Submission of the meta-analysis on the maternal overnutrition and offspring's hypertension: 2019.
Submission of the meta-analysis on the sarcopenia vs. sarcopenic obesity: 2020.
Submission of the experimental study complemented by RNAScope: 2020.
Submission of the experimental studies on the long term effect of different neuropeptides in perinatally overfed rats: 2021 and 2022.

ANNA KANJO

months
12

study-g	meta	registry	trial	basic
1	1	1	2	-

Age: 26y

Former institution: Heim Pál National Institute of Pediatrics
Budapest, Hungary

Clinical scientific supervisor: Zsolt Molnár

Scientific methodology supervisor: Zsolt Szakács
Educational supervisor: Balaskó Márta

Study groups: Hungarian Intensive Care SG
E-mail: kanjoanna@gmail.com

Anna is participating in a **12-month resident fellowship** programme. There has been a considerable improvement in liver support system in the past years. Anna is currently performing a **network meta-analysis** on the safety and efficacy of bio-artificial and artificial liver support systems in acute/hyperacute/subacute liver failure. A similar improvement has been observed regarding the therapeutic approach to septic shock: she is planning a **randomized controlled clinical trial** (DECRISS), studying the effect of Cytosorb therapy in patients with septic shock. In addition, she is a co-investigator in the **retrospective cohort study** describing the course and prognosis of patients with severe acute pancreatitis requiring (sub)intensive care. In cooperation with Heim Pál Children's Hospital (Budapest), she will set up a nationwide **patient registry** to study pediatric intensive care.

EXPECTED DEADLINES

Network meta-analysis submission: January 2020
Registry establishment: March 2020
Clinical trial protocol submission: January 2020
Retrospective cohort study submission: January 2020

PIROSKA PÁZMÁNY

months
12

study-g	meta	registry	trial	basic
1	1	1	2	-

Age:	28y
Former institution:	Heim Pál National Institute of Pediatrics Budapest, Hungary
Clinical scientific supervisor:	Zsolt Molnár
Scientific methodology supervisor:	Zsolt Szakács
Educational supervisor:	András Garami
Study groups:	Hungarian Intensive Care SG
E-mail:	pazmanyp11@gmail.com

Piroska is participating in a **12-month resident fellowship** programme. The acute exacerbation of chronic obstructive pulmonary disease (AE-COPD) is one of the most common reasons for hospitalization of pulmonary patients. Elevation of inflammatory biomarkers, including C-reactive protein, neutrophil-lymphocyte ratio and interleukins are often observed in AE-COPD. To test the **diagnostic and predictive** ability of these biomarkers in hospitalized patients with infective and non-infective AE-COPD, she is currently working on a **meta-analysis**. Secondly, she initiated a **retrospective cohort study** to describe the course and prognosis of patients with severe acute pancreatitis requiring (sub)intensive care, while organizing a **patient registry** for the surveillance of these patients. In addition, she is responsible for planning and initiating a **randomized controlled clinical trial** studying the effect of Cytosorb therapy in acute pancreatitis.

EXPECTED DEADLINES

Diagnostic and prognostic meta-analysis submission: January 2020
Registry establishment: March 2019
Clinical trial protocol submission: June 2020
Retrospective cohort study submission: January 2020

VERA IZSÁK

months
12

study-g **meta** **registry** **trial** **basic**
2 **1** **1** **-** **-**

Age:	27y
Former institution:	Heim Pál
	National Institute of Pediatrics
	Budapest, Hungary
Clinical scientific supervisor:	Emese Mezősi
Scientific methodology supervisor:	Andrea Párniczky
	Zsolt Szakács
Educational supervisor:	Garai János
Study groups:	Hungarian Cystic Fibrosis SG
	Hungarian Endocrinology SG
E-mail:	arev44@gmail.com

Vera is participating in a **12-month resident fellowship** programme. She performs a **diagnostic meta-analysis** on different screening methods of cystic fibrosis-related diabetes (CFRD). The meta-analysis supposed to evaluate the current diagnostic methods according to their diagnostic metrics. In addition, Vera will set up a nationwide **patient registry** to study Graves' disease which is the most common cause of hyperthyroidism. The registry includes patients from both pediatric and adult care.

EXPECTED DEADLINES

Diagnostic meta-analysis submission: January 2020
Registry establishment: January 2020

ÁGNES MARTONOSI

months
12

study-g 2 | **meta** 1 | **registry** 1 | **trial** - | **basic** 1

Age:	31y
Former institution:	Heim Pál National Institute of Pediatrics Budapest, Hungary
Clinical scientific supervisor:	Andrea Párniczky Áron Vincze Eszter Hegyi
Basic research supervisor:	
Scientific methodology supervisor:	Andrea Párniczky Zsolt Szakács
Educational supervisor:	Erika Pétervári
Study groups:	Hungarian Cystiy Fibrosis SG Hungarian PEG SG
E-mail:	agirmartonosi@gmail.com

Ágnes is participating in a **12-month resident fellowship** programme. She plans to set up a **patient registry** to develop a national registry for patients living with percutaneous endoscopic gastrostomy (PEG) both in adults and in children. She is currently investigating the diagnostic metrics of different screening modalities, including elastography for cystic fibrosis-related liver disease by performing a **diagnostic accuracy-test meta-analysis**. She is involved in **basic research**, as well as in conducting a study comparing the genetic samples of patients with biliary pancreatitis, non-biliary pancreatitis (control group I), gall-stones without pancreatitis (control group II) and patients without gallstones or pancreatitis (control group III - healthy control group). After multiplying the DNA samples with PCR, gel-electrophoresis will be used to detect two exons of the CFTR gene (dF508 and R117H).

EXPECTED DEADLINES

Diagnostic accuracy meta-analysis submission: January 2020
Registry analysis establishment: December 2019
Basic research paper submission: August 2020

ORSOLYA VARANNAI

months	study-g	meta	registry	trial	basic
12	1	1	1	1	-

Age: 26y

Former institution: Heim Pál National Institute of Pediatrics
Budapest, Hungary

Clinical scientific supervisor: Andrea Párniczky

Scientific methodology supervisor: Andrea Párniczky
Zsolt Szakács

Educational supervisor: Erika Pétervári

Study groups: Hungarian Cystic Fibrosis SG

E-mail: varannaiorsolya@gmail.com

Orsolya is participating in a **12-month resident fellowship** programme. She is now performing a **network meta-analysis** of intervention, used to eradicate Pseudomonas aeruginosa in cystic fibrosis patients. The meta-analysis aims to involve all therapeutic agents separated by therapeutic regime and to investigate the recurrence rate of the infection, as the primary outcome. In addition, she is performing a **retrospective cohort study** on children with Pseudomonas infection in cystic fibrosis to assess antimicrobial resistance, clinical symptoms and the effect of infection on lung functions. Meanwhile, she will set up a **patient registry** of these patients.

EXPECTED DEADLINES

Network meta-analysis submission: January 2020
Retrospective cohort study submission: March 2020
Patient registry: March 2020

ENDRE CSIKI

months

6

study-g 1 | **meta** 1 | **registry** - | **trial** - | **basic** -

Age:	29y
Former institution:	University of Medicine, Pharmacy, Science and Technology of Târgu Mureș, Târgu Mureș, Romania
Clinical scientific supervisor:	Bálint Erőss
Scientific methodology supervisor:	Bálint Erőss
Study groups:	Hungarian GI Bleeding SG
E-mail:	endre_csiki@yahoo.com

During his **6-month resident fellowship** programme, Endre, a resident doctor in gastroenterology, is currently working on an **interventional meta-analysis** with regards to the effects of iron replacement therapy in acute gastrointestinal bleeding–induced anaemia. In addition, he is contributing to the operation of the **Esophageal Cancer Registry** and the **Acute Gastrointestinal Bleeding Registry** while working as a resident doctor at the High Dependency Unit.

EXPECTED DEADLINES

Interventional meta-analysis submission: January 2020

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Péter Hegyi

Andrea Szentesi

INTERDISCIPLINARY RESEARCH SUPPORT GROUP

Bálint Erőss

Katalin Márta

Judit Antal

Noémi Zádori

Zsolt Szakács

Vivien Vass

MEDICAL GROUP

CLINICAL TRIAL COORDINATORS

META-ANALYSIS COORDINATOR

REGISTRY COORDINATOR

Krisztina Heid

Emőke Miklós

Richárd Farkas

Nelli Farkas

ETHICAL COORDINATOR

DATA MANAGEMENT GROUP LEADER

IT GROUP

BIOSTATISTICIAN GROUP

Margit Solymár

Dalma Dobszai

Antal Zemplényi

HR & FINANCE GROUP

COMMUNICATION GROUP

HEALTH ECONOMICS GROUP