

Newsletter

CONNECT COST
ACTION

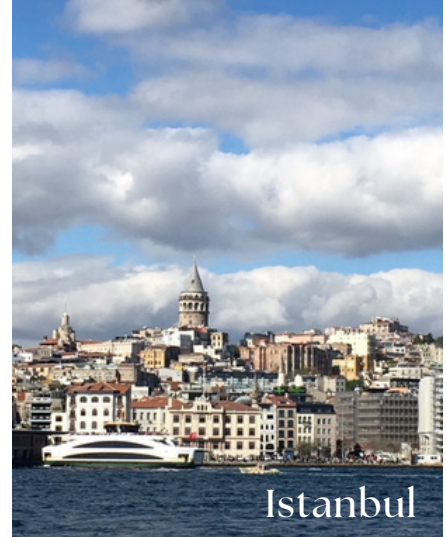
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CA19127



Naples



Kaunas



Istanbul

Here's what has happened in the last months and what's to come!

As we are in the last grant period, it's a pleasure to reflect on the exciting developments that have transpired over the past few months while also setting our sights on what lies ahead.

First and foremost, we are thrilled to share the success of our recent international conference, "Brain-kidney interaction: from physiology to clinics," held in the vibrant city of Naples last November. The event served as a dynamic platform for scholars and professionals alike to delve into the link between brain function and kidney health, sparking insightful discussions and valuable connections within our Action.

We've also been hard at work searching new opportunities for future. We are delighted to announce that we have applied for a new grant, which holds a promise for furthering our collaboration.

We invite you to save the date for our upcoming Management Committee meeting in Lithuania, where we will focus on our future collaborations. Additionally, we are excited to announce a forthcoming training school in the enchanting city of Istanbul, promising enriching opportunities for skill-building and networking.

Stay tuned for more updates and exciting developments in the months to come!

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COGNITIVE DECLINE IN NEPHRO-NEUROLOGY



International Symposium BRAIN-KIDNEY INTERACTION Naples, November 23-24, 2023

“Brain dysfunction is highly prevalent in the population. However, patients suffering from kidney disease have an even greater risk for brain dysfunction, compared to the remaining population. Unfortunately, the pathogenesis of brain-kidney dysfunction remains elusive. Neuropsychological and brain imaging data are now starting to be gathered, thereby characterizing this pathological entity.”

Prof Giovambattista Capasso

This meeting on brain-kidney axis joined renowned international speakers from different fields aiming at unraveling the mechanisms and future therapeutic options for this new clinical entity. The character of this meeting insisted on the interdisciplinary interaction among speakers (neurologists, nephrologists, neuroscientists, epidemiologists, renal physiologists, geriatricians, experts in regenerative medicine, precision medicine, imaging and diagnostics).

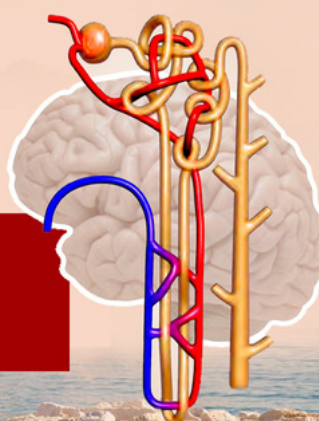
Here are some of the titles from the symposium:

- 👁️ A New Way of Looking into Brain Function: The Lesson from fMRI
- 🧬 Cancer, Kidney Failure, and Cognition
- 💡 Kidney Function and Cerebral Blood Flow
- 🔍 Brain Glymphatic System: Possible Role in CKD
- 🧬 Genetic and Biochemical Markers of Brain Dysfunction
- 👴 Ageing, CKD, and Cognitive Disorders
- 🧠 Phosphate and Brain Function
- 🔍 The Kidney-Brain Nexus: Regulatory and Philosophical Implications
- 💡 Uremic Neurotoxins and Brain Function
- 🧬 Role of the Endocannabinoidome in Neurological Disorders and Neuroinflammatory Conditions Derived from Renal Dysfunction
- 🌿 Neural Control of Inflammation in AKI/CKD

The program was as [here](#). Congress participants can access videos and slides [here](#).



FIRST INTERNATIONAL MEETING ON
BRAIN-KIDNEY INTERACTION
THE BRAIN AND KIDNEY:
FROM PHYSIOLOGY TO CLINIC



NAPLES (ITALY), 23th-24th NOVEMBER 2023
Aula Magna - Congress Center
Via Partenope, 36 - Naples (Italy)





Action sustainability

We would like to share with you the highlights and outcomes of our recent meeting in Brussels, held in February 15, focused on the sustainability of the Actions.

Throughout our discussions, it became evident that several key motivations are driving our collective efforts towards sustainability:

To carry on research • Network maintenance • To finish what was started • To promote European values • Continuous collaboration • Widen international collaboration/curricula • Publications • Increased visibility • Impact on policy

Moving forward, we recognize the need for ongoing dialogue and collaboration to overcome challenges and seize opportunities effectively. Our next opportunity for discussion and strategic planning will be at the upcoming MC meeting in Lithuania in June.



CIG application

What is a COST Innovators Grant?

- an initiative that aims to build bridges between research and take-up at market, product, service, or societal level. CIGs aim to enhance the pace and success of research breakthroughs and as such, offers ending Actions the possibility to create additional impact during the year after the end of the Action.

We are thrilled to announce that we have applied for a CIG to further support and facilitate our collaborative efforts. This grant will enable us to continue our impactful work together and explore new avenues of innovation and collaboration. We anticipate hearing back regarding the status of our application around May, and we will promptly inform you of any updates.

WORLD KIDNEY DAY



March 14, 2024

<https://www.worldkidneyday.org/>



Nutrition

A healthy diet and lifestyle choices that support kidney function can contribute to overall cardiovascular health, which is essential for optimal brain function and cognitive performance.

*Marion Pepin, MD
Geriatrician*



Prevention

Prevention is indeed better than treatment. However, to be able to see prevention effects we need to regularly educate and inform our patients about risk factors for developing kidney disease, which among many other complications, can lead to cognitive impairment. Moreover, awareness of nephrotoxic agents should be of utmost importance in primary health care and other specialties beyond nephrology with the aim of choosing therapeutic approaches that will not be harmful to kidneys. Finally, research in nephrology should be encouraged to further enhance and improve those therapeutic approaches.

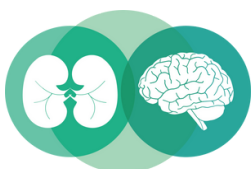
*Andreja Figurek, MD PhD,
Nephrologist*



*Giovambattista Capasso, MD
Nephrologist*

Healthy kidneys, healthy brain

It is crucial to prioritize your kidney health by staying hydrated, maintaining a balanced diet low in sodium, and avoiding excessive consumption of processed foods. Engage in regular physical activity and avoid smoking to support kidney function. Remember, healthy kidneys are not only essential for filtering toxins from your blood but also play a vital role in maintaining overall cardiovascular health, which directly impacts brain function and cognitive performance. Take proactive steps to care for your kidneys, and you'll also be nurturing your brain health in the process.



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COGNITIVE DECLINE IN NEPHRO-NEUROLOGY

METHODOLOGY FOR NEUROCOGNITIVE ASSESSMENT IN PATIENTS WITH KIDNEY DISEASES: SIMILARITIES & DIFFERENCES

TRAINING SCHOOL, ISTANBUL, TURKEY
SEPTEMBER 5-6, 2024
ORGANISED BY GAYE HAFEZ & MUSTAFA ARICI



VENUE: ALTINBAS UNIVERSITY GAYRETTEPE CAMPUS,
GAYRETTEPE, SISLI, ISTANBUL, TURKEY



MC MEETING KAUNAS, LITHUANIA June 25-26, 2024

Venue: Radisson Hotel Kaunas, K.
Donelaičio g. 27, 44240 Kaunas,
Lithuania, Kaunas, Lithuania

Working Group Meeting Session I
Working Group Meeting Session II
Management Committee Meeting
Final Action Workshop - Conference

Local organiser: Inga Arūnė Bumblytė

Patient engagement!

In this grant period, we are working together with patient organisations. How should we explain the brain-kidney relationship to patients? What kind of events should we organize? What can we do together to raise awareness of this issue in Europe? In our first meeting in October we decided to conduct a survey among patients to understand what they know about the consequences and the prevention of the disease. Together with the European Kidney Patients' Federation (EKPF), we will be working on this issue.

For your suggestions, contact: Gaye Hafez, Michele Farisco, Maria Jose Soler Romeo.

Contact

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