Network for blood pressure research in children and adolescents

HyperChildNET
HYPERTENSION, A GLOBAL CONCERN

Hypertension (HTN) is now responsible for 7.1 million deaths per year worldwide, and largely contributes to cardiovascular and renal diseases such as ischemic heart disease, stroke and chronic kidney disease.

Cardiovascular and renal diseases linked to high blood pressure (BP) are the first cause of mortality in Europe with an economic impact cost of approximately 1 billion euros per year. In fact, although most of the adverse outcomes occur in adulthood it has become clear that high BP is a life course problem that can become evident in early life.

While few would dispute the importance of taking effective steps to identify and manage this condition in middle-aged and older people, relatively little attention has been paid to the problem of high BP in children and adolescents.

As a consequence, despite the latest advances and the wide literature on BP in children and adolescents, the solutions to relevant questions are still pending. Thus, scientific and clinical community, as well as decision-makers, stakeholders and the overall society, must face some critical problems related to the high BP in children and adolescents as a cardiovascular risk factor.
The COST Action HyperChildNET is aimed at establishing a European sustainable and multidisciplinary network of internationally renowned researchers, clinicians, early career investigators, health economists, decision-makers, patients, regulatory bodies, nutrition & pharma companies and medical devices manufacturers focusing on acquiring a holistic understanding of the factors affecting high BP in children in order to propose and implement corrective and preventive actions both globally and locally.
HOW

A 4-year international networking Action

All members of the network and the research projects running locally will collaborate by creating working groups to coordinate research actions, exchange scientific and clinical knowledge, research findings and best practices. In order to promote the research objectives foreseen, HyperChildNET will organise conferences, seminars, short-term scientific missions, training schools and will produce reports, studies, guides, strategy documents and action plans to make progress in contributing to solve the challenge.
WORKING GROUPS

Working Groups will allow exchanging knowledge and expertise within a specific core topic (BP measurement devices, reference values and epidemiology, origins, impact, prevention and finally dissemination) from a multidisciplinary approach.

In order for the WGs to best achieve their aims, they will include multidisciplinary research groups, clinicians, health economists, training institutions, nutrition & pharma companies, medical devices OEMs and representatives from all the target groups.

**WORKING GROUPS**

- **WG1** Blood pressure devices
- **WG2** Blood pressure reference values
- **WG3** Impact of high blood pressure in children and adolescents
- **WG4** Prevention of high blood pressure in children and adolescents
- **WG5** Dissemination and awareness
A GLOBAL NETWORK

21 countries from Europe and America as promoters of HyperChildNET

36 leading researchers and professionals involved

Promoting equitable gender balance

Encouraging the participation of Early Stage Researchers and the participation of Inclusiveness Target Countries
HyperChildNET is an open Action growing every day.

Any researcher, professional and representative of the target groups or related stakeholders can join the actions of the network to actively collaborate and participate in the project events and open initiatives.

COST Programme has a global vision to promote wide networks of excellence and research collaboration.
MORE DATA ON THE ACTION

Project Promoter
Hospital General University of Valencia (Spain)

Supported by
The European Society of Hypertension

Funded by
COST PROGRAMME

Duration
4 years starting from October 2020

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Tell me and I forget. Teach me and I remember. Involve me and I learn.

Benjamin Franklin
THIS COST ACTION IS FUNDED BY THE COST PROGRAMME

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