

#### Towards a Rare Brain Disease Ecosystem

Rare Disease Day 2025 "More Than You Can Imagine"

University Foundation, Brussels

20 February 2025 | 09:30 - 14:00



### Session 1 Welcome & Opening





**Suzanne Dickson**President, European Brain Council



**Elena Moro**President, European Academy
of Neurology





#### Objectives:

- Refer to Rare Disease Day 2024 that introduced the concept of a **Rare Brain Disease Ecosystem**; based on positive feedback, decision was taken to proceed with the concept and crystallize the idea in a programmatic paper that during the 20 February 2025 will be discussed;
- Host discussions on RBDs such as Myasthenia Gravis, Rare Epilepsies, Neurofibromatosis type 1, stroke and rare cerebrovascular diseases drawing on insights from ongoing research and clinical practice;
- Discuss the consultation paper on Towards a
   Rare Brain Disease Ecosystem & Knowledge Hub.





#### Agenda

9:30 - 10:00 Registration & Welcome Coffee 10:00 - 10:10 Welcome & Opening 10:10 - 10:30 Telling the Story 10:30 - 11:00 Session 1: Policy Commitment to Tackling Rare Diseases 11:00 - 11:30 Coffee Break 11:30 - 12:20 Session 2: Unmet Needs and Optimising Patient Care Pathways for Rare Diseases in Europe 12:20 - 12:50 Session 3: Towards a Rare Brain Disease Ecosystem & Knowledge Hub: Open Discussion 12:50 - 13:00 Wrap Up and Closing Remarks 13:00 - 14:00 Networking Lunch





- Our ambition for Rare Disease
- Why do we need a Rare Brain Disease Ecosystem?







**Suzanne Dickson**President, European Brain Council



**Elena Moro**President, European Academy
of Neurology



#### Telling the Story

"Waiting for Zorro", the story of a child with a rare brain disease and related severe disabilities



Sarah Moon Howe Filmmaker





#### Telling the Story

"Waiting for Zorro", the story of a child with a rare brain disease and related severe disabilities



Sarah Moon Howe Filmmaker

Contact: sarah@sarahmoonhowe.com



#### Policy Commitment to Tackling Rare Disease



Alexandra Heumber Perry, Chief Executive Officer, Rare Disease International (RDI)



Marzena Nelken, Director, Polish National Forum for the Treatment of Rare Diseases ORPHAN



Valentina Bottarelli,
Public Affairs
Director & Head of
European Advocacy,
EURORDIS



Enrique Terol,

Health Counsellor,

Permanent

Representation of Spain

to the EU



#### Policy and Action on Rare Diseases: The Patients Angle





Scale of the Challenge

30 million people in Europe 300 million globally



National, European, and Global

#### **Plans**

- Operational
- Funded
- Clear, measurable objectives





#### Collaboration Involvement of:

- Institutions / Policymakers
- **Experts**
- Healthcare managers
- **Patients**



#### Coordinated Governance

- Regional, national, European, global alignment
- Cross-border cooperation
- Sustained political commitment

#### **Towards a Rare Brain Disease Ecosystem**

Rare Disease Day 2025 Theme "More Than You Can Imagine"



#### Performance Indicators

- Measurable targets
- Progress tracking
- Accountability

#### Alexandra Heumber Perry, Rare Diseases International

- Valentina Bottarelli, EURORDIS
- Marzena Nelken, Alliance RD Poland

#### **Reflection Questions:**

- > How do we drive ambitious and realistic policy commitments?
- ➤ How do we ensure effective implementation of strategies?

#### Policy Commitment to Tackling Rare Disease



Alexandra Heumber Perry, Chief Executive Officer, Rare Disease International (RDI)



Marzena Nelken, Director, Polish National Forum for the Treatment of Rare Diseases ORPHAN



Valentina Bottarelli,
Public Affairs
Director & Head of
European Advocacy,
EURORDIS



Enrique Terol,

Health Counsellor,

Permanent

Representation of Spain

to the EU



#### **Coffee Break**





# Session 2 Unmet Needs and Optimising Patient Care Pathways for Rare Brain Diseases in Europe



### Unmet Needs and Optimising Patient Care Pathways for Rare Brain Disease in Europe

#### **The Patient Perspective**



Lutgarde Allard, President, European Myasthenia Gravis Association (EuMGA)



Vera Lipkovskaya,
Public Policy and Project
Manager, Neurofibromatosis
(NF) Patients United



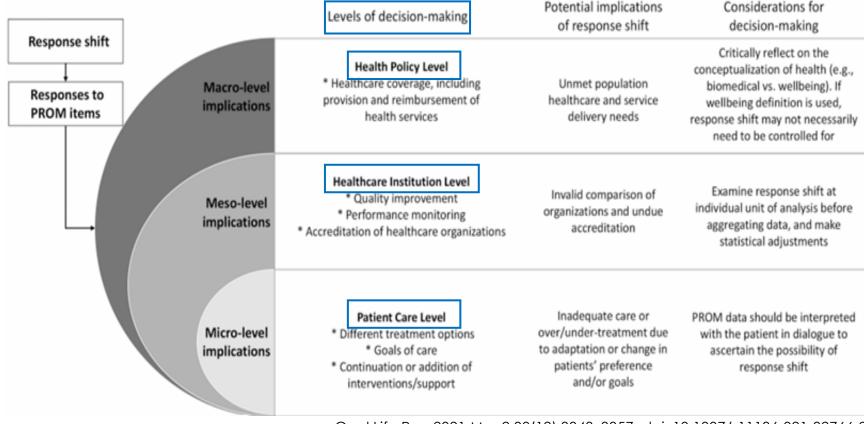
Vinciane Quoidbach, Research Project Manager, European Brain Council



#### Unmet Needs and Optimising Patient Care Pathways

#### Main Topics for Discussion:

- Common Challenges across Rare Brain Diseases
- Key Unmet Needs in Patient Care
- The Importance of Optimizing Care Pathways (Use of the RarERN Path Methodology and PROMs)
- Solutions and Recommendations



Qual Life Res. 2021 Mar 2;30(12):3343-3357. doi: 10.1007/s11136-021-02766-9

#### **Panel Contributions:**

- Insights from patient organizations, healthcare providers and industry representatives
- Sharing experiences and recommendations to optimize patient care pathways



### Unmet Needs and Optimising Patient Care Pathways for Rare Brain Disease in Europe

#### **The Patient Perspective**



Lutgarde Allard, President, European Myasthenia Gravis Association (EuMGA)



Vera Lipkovskaya,
Public Policy and Project
Manager, Neurofibromatosis
(NF) Patients United



Vinciane Quoidbach, Research Project Manager, European Brain Council





### An Auto-immune Neuro-Muscular rare disease Pathway of an MG-patient :

**Misdiagnosis or a delayed diagnosis** (due to lack of knowledge or misunderstanding the patient, especially female patients)

#### Difficulties with access to:

- -Information (not available or not given by the specialist)
- -Care (long waiting times to have an appoitment with a specialist)

#### Addressing patient unmet needs along the care pathway

- -Treatments/ therapies (especially innovative treatments)
- -Lack of psychological support (not foreseen in the guidelines for treatment)

No recognition (due to the invisible nature of the disease)

What does the MG-community need?

- **-Inclusive care** (better guidelines and easier access to the innovative treatments)
- **-Cross-border care** (especially for patients in countries with a lower standard of care)
- -Equal standard of care in all countries of Europe



## Unmet Needs and Patient Care Pathways for Neurofibromatosis

Vera Lipkovskaya, NF Patients United 20 February 2025

#### Many needs are unmet...



#### 01 Patients

Diagnostic journey, lack of reliable information, access to innovative treatments, mental health, access to employment, fertility, fragmented healthcare pathways, transition to adulthood...

#### 02 Caregivers

Physical & financial strain, employment challenges, emotional well-being, patient-caregiver treatment preference discordance, lack of recognition...

#### 03 Patient communities

Cross-border support, diversity & inclusion, public policy support, recognition of Patient Voice, digital literacy, unified standards of care, combined patient services...

#### ...but some are beyond unmet



**Prolonged Diagnostic Journeys** leading to disease progression and complications (also higher costs for the system)



Access to Innovative Treatments: lack of equitable and timely access to innovative treatments and technologies



**Fragmented Care Pathways**: lack of coordinated care, disjointed healthcare systems



**Cross-border Standards of Care**: lack of consistency and unification



**Transition to Adulthood**: teens and adults' unmet needs are often neglected, high drop-out rates



**Public Support & Patient Community Recognition**: policy support is vital and patient voice is a *sine qua non* 

#### Different Conditions, Same Battles



Wider public policy support



Shared decision-making



Consistent & uninterrupted knowledge building

### Unmet Needs and Optimising Patient Care Pathways for Rare Brain Disease in Europe

### The Patient Care Pathway Methodology: the Organizational and Economic Perspective



Marialuisa Zedde, Neurologist, Local Health Authority of Reggio Emilia, Italy



Giuseppe Turchetti, Health Economist, Scuola Superiore Sant'Anna, Pisa, Italy



Vinciane Quoidbach, Research Project Manager, European Brain Council



### The Patient Care Pathway methodology: the organizational and economic perspective

- Stroke is the second leading cause of death, the third leading cause of disability-adjusted life-years worldwide, and a major cause of dementia
- Stroke is a time-dependent disease and in the chain of care every second count (time is brain)

Treatment	NNT
Stroke Unit	16
IVT	5-9
EVT	3

#### Stroke care pathway







#### **Stroke Unit**

A specialized ward designated for acute stroke patients with continuous monitoring of vital parameters with a multidisciplinary team approach including specialist nursing staff.



### The Patient Care Pathway methodology: the organizational and economic perspective



- Acute stroke is a common manifestation for both frequent and rare cerebrovascular diseases
- Acute care pathway should be managed taking into account the special features of patients with rare vascular diseases (e.g. Moyamoya, CADASIL, Ehlers Danlos, Pseudoxanthoma elasticum, etc.
- Several rare cerebrovascular diseases
- Genetic and sporadic diseases
- Small vessels vs large-medium vessel involvement
- Some diseases are covered by an ERN (moyamoya, CADASIL)
- Several phenocopies
- Underdiagnosed diseases have the same unmet need as rare diseases (e.g. Fibromuscular Dysplasia)



#### Common unmet needs

- •Early diagnosis and regular monitoring are crucial to prevent complications
- Multidisciplinary specialized management
- Periodic assessment
- Management of associated symptoms is critical and need personalized treatment.
- •Adequate patient education is vital for timely recognizing signs of complications.
- •Emotional and Psychological Support is essential to help patients cope with the stress and uncertainty associated with the disease.
- •Systematic recognition of the disease by healthcare systems

### Unmet Needs and Optimising Patient Care Pathways for Rare Brain Disease in Europe

### The Patient Care Pathway Methodology: the Organizational and Economic Perspective



Marialuisa Zedde, Neurologist, Local Health Authority of Reggio Emilia, Italy



Giuseppe Turchetti, Health Economist, Scuola Superiore Sant'Anna, Pisa, Italy



Vinciane Quoidbach, Research Project Manager, European Brain Council



#### **Patient's Care Pathway**

The patient's care pathway is the route that a patient follows from the first contact with the healthcare system through referral to the completion of treatment and over.

Patient's care pathway represents a health management tool including the spatial and temporal sequence of the activities to be carried out based on scientific-technical knowledge and organizational, professional and technological resources.



A method to implement, make transparent, standardise, optimise and organise the continuous activities of patient-centered care processes.

#### Proposed methodology: 1. «Optimised» patient's care pathway



Methodology specificially designed for the development of a common and shared

organisational reference patient care pathway model

for rare and complex diseases

#### Patient's Care Pathway: which are the expected benefits?

- Coordination of the care processes
- Integration among different teams, organisational units and different Organizations
- Identification of possible bottlenecks and unmet expectations, useless activities, duplication of activities, organizational-managerial criticalities from the healthcare facility and the patient's point of view
- Efficient use of resources
- Culture of monitoring and continuous improvement

It helps healthcare organizations to create and/or implement a safe, effective, patient-centered, fair, integrated and continuous care process.

Rosaria et al. Orphanet J Rare Dis (2020) 15:34 https://doi.org/10.1186/s13023-020-01631-1 Orphanet Journal of Rare Diseases

#### RESEARCH

Open Acce



RarERN Path: a methodology towards the optimisation of patients' care pathways in rare and complex diseases developed within the European Reference Networks

Talarico Rosaria<sup>1</sup>, Cannizzo Sara<sup>2</sup>, Lorenzoni Valentina<sup>2</sup>, Marinello Diana<sup>1</sup>, Palla Ilaria<sup>2</sup>, Pirri Salvatore<sup>2</sup>, Ticciati Simone<sup>1</sup>, Trieste Leopoldo<sup>2</sup>, Triulzi Isotta<sup>2</sup>, Terol Enrique<sup>3</sup>, Bucher Anna<sup>3</sup> and Turchetti Giuseppe<sup>2</sup>

#### Abstrac

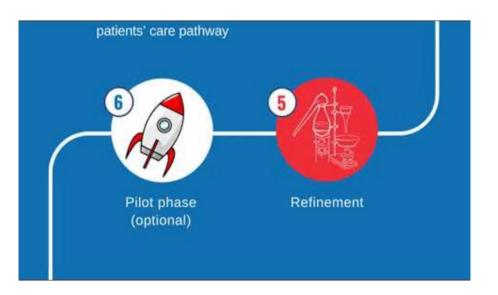
Background: In 2017, the European Commission has launched the European Reference Networks (ERNs), virtual networks involving healthcare providers across Europe. The aim of the ERNs is to tackle complex and rare diseases and conditions that require highly specialized treatment and a concentration of knowledge and resources. The ERN on rare and complex connective tissue and musculoskeletal diseases (ERN RECONNET) is one of the 24 ERNs approved that aims to improve the management of Rare and Complex Connective Tissue and Musculoskeletal Siesases.

**Objective:** The RarERN Path methodology aims to create a single reference organisational model for patients' care pathways which, if applied in different contexts, helps to ensure an improved, cost-effective and patient-centred equal care to rare and complex diseases.

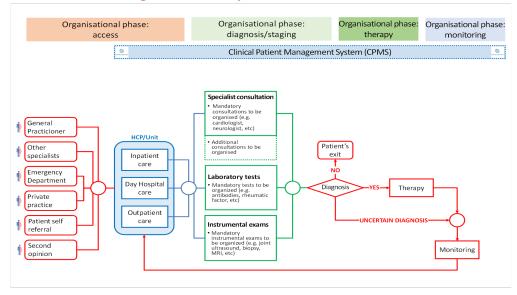
Methods: Starting from existing standard methods for the creation and elaboration of patients' care pathways, a specific methodology was created in order to take advantage of the distinctive and peculiar characteristics of Specifically, the development of the RarERN Path methodology involved different stakeholders: health economists, clinicians and researchers expert in rare and complex diseases, communication experts, experts in patients' involvement and narrative medicine and policy-makers.

Results: The RarERN Path methodology foresees six consecutive phases, each with different and specific aims. Specifically, the six phases are represented by: Phase 1—mapping of existing patients' care pathways and patients' stories; Phase 2—consensus on an optimised common patients' care pathway; Phase 3—consensus on an optimised common patients' care pathway; Phase 4—key performance indicators definition; Phase 5—refinement; Phase 6—pilot phase (optional).

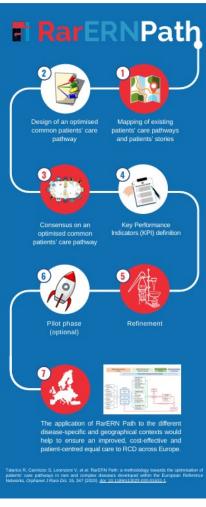
Conclusion: The application of RarERN Path to the different disease-specific and geographical contexts would help to ensure an improved, cost-effective and patient-centred equal care to rare and complex diseases across Europe as well as a possible tangible action towards the integration of ERNs into the different European healthcare systems.



#### RarERN Path: organisational phases







#### Benefits from the proposed approach

#### It is **INNOVATIVE** because:

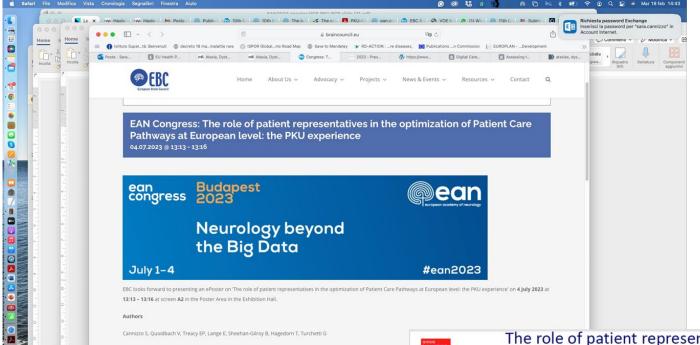
- It is really based on the CO-DESIGN approach
  - Healthcare professionals
  - Patients
  - Hospital managers

- Multistakeholder
- Generalisable
- Contextualisable
- It provides operative/concrete organisational INSTRUCTIONS/SUGGESTIONS
- It is FLEXIBLE/ADAPTABLE to different national/regional/local contexts

#### Benefits from the proposed approach

It allows to provide concrete **recommendations** to the health policy makers both at the European and the national level on how to:

- Increase the *homogeneity* in the management of patients affected RDs
- Promote the *efficient use* of resources (economic sustainability)
- Pursue a more **EQUITABLE ACCESS** to care all around Europe!



This website uses cookies to improve your experience. For further information, please read our data privac

Introduction

The role of patient representatives in the optimization of Patient Care Pathways at European level: the Phenylketonuria experience

Cannizzo S1, Quoidbach V2, Treacy EP3,

Lange E4, Sheehan-Gilroy B5, Hagedorn T6, Turchetti G1

1, Institute of Management, Scuola Superiore Sant'Anna, Pisa, Italy; 2, The European brain Council, Brussels, Belgium; 3, National Centre for Inherited Metabolic Disorders, Mater Misericordiae University ement, Scuola Superiore Sant'Anna, Pisa, Italy: 2, The European aram Collina, prusses, sequents, a, rusumms salves per language and the state of the



#### **Background**

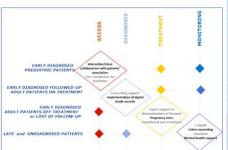
Phenylketonuria (PKU) is a rare autosomal recessive inborn error of phenylalanine (Phe) metabolism caused by pathogenic variants in the gene encoding phenylalanine hydroxylase (PAH). PAH deficiency causes abnormal accumulation of Phe in the blood and in the brain. High blood Phe levels are strongly linked to neurocognitive dysfunction, and if not treated PKU causes intellectual disabilities, motor deficits, microcephaly, autism, eczematous rash, seizures, developmental problems, aberrant behavior, and psychiatric symptoms. In Europe PKU prevalence is about 10:100,000 newborns with higher rate in Turkey and Ireland, and a very low rate in Finland. In most European countries, the national newborn screening (NBS) programs include Phe measurement. The aim of the NBS is to discover hyperphenylalaninemia (HPA), and this is defined as any blood Phe >120 µmol/L. The early detection of HPA and its treatment can prevent neurological damages. Despite the high diffusion of NBS, there are still late diagnosed patients or undiagnosed patients such as immigrant children from countries where NBS is lacking, or adults born before the introduction of the NBS.

#### Methods

In defining and optimising patient care pathways (PCPs) the role of patient representatives (PRs) is very important; it is crucial in the contest of rare diseases where the complexity of the disorders is higher, comorbidity and multi-organ involvement are present, multidisciplinary care is needed, and patients may experience inequality in the access to specialised diagnostic/treatment procedures. In this work we have analysed the role of PRs in the design and optimization of Phenylketonuria's (PKU) PCP. We applied RarERN Path® methodology to PKU PCP within the Value of Treatment (VOT) for Rare Brain Disorders project (European Brain Council). PRs of PKU Associations of Ireland and Germany were involved. The PCPs in place in centers of excellence (COE) were analysed, and patients provided input through a semi-structured questions survey exploring organization of care and perception of criticalities when receiving healthcare services. A first draft of the optimized PCP for PKU was discussed in a plenary meeting attended by neurologists and PRs. Finally, PRs were requested to provide additional suggestions through a second ad-hoc survey.

#### Results

Patients Representatives contributed to the design of an optimized PCP, providing unique information on the main organizational challenges in COEs and on the coordination of care between COE and non-hospital care at European level.



#### how to improve the care for their PKU:

"Many patients were born before newborn screening. Other than their intellectual and physical disabilities, the underlying condition PKU often has not been adequately looked after. It is a significant milestone that the Patient Care Pathways shed a light on them and explicitly highlight their need to having access to treatment and better quality of life."

Too often, we PKU patients have been told we should be grateful for the value of early diagnosis and an effective nutritional therapy. However, PKU is not a solved problem and too much gratefulness is delaying progress. It is so important that the Patient Care Pathways outline many of the residual unmet needs in PKU care."

For years I did not recognize how I was mentally chocked by the diagnosis. I functioned, however was unable to cope. Thanks to trauma screening and mental health support learned to accept my sons' disease and the treatment as something normal. It means the world to me that the Care Pathways acknowledge the individual needs of both patients and caregivers."

#### Conclusion

o formally involve PRs in the co-design of the PCP is necessary because it allows to complement clinicians' perspective about "ranking" and weight" of what really matters throughout the PCP. PKU case is particularly interesting in this

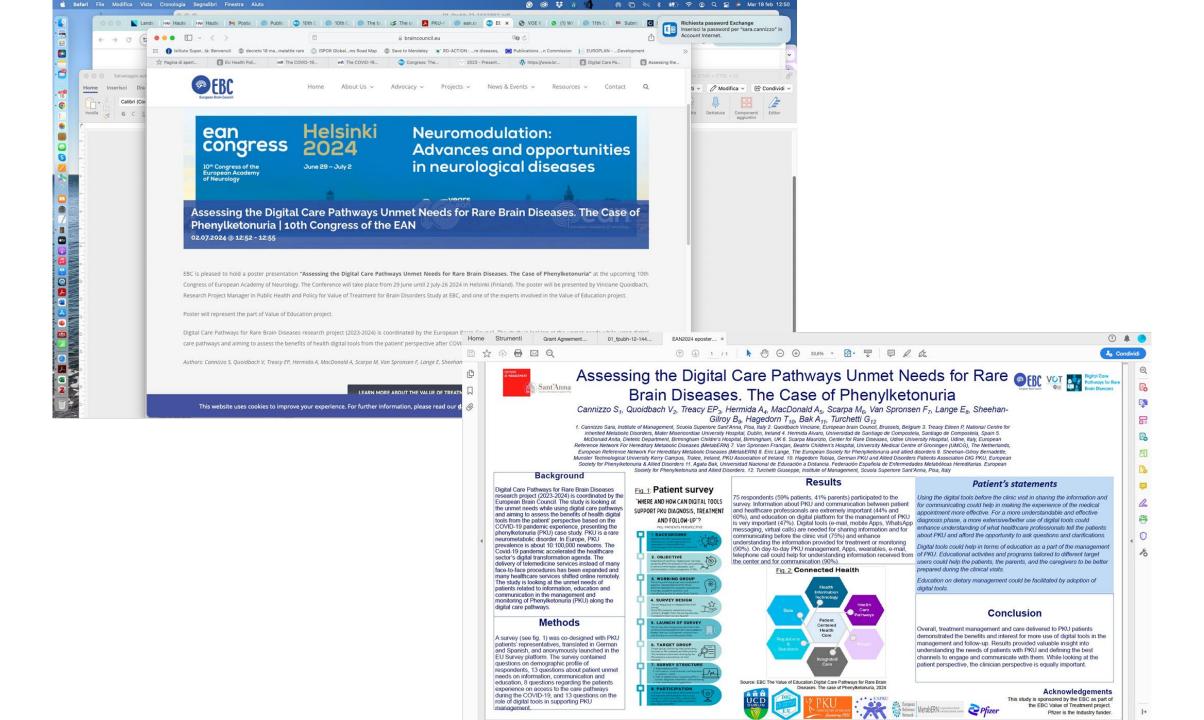


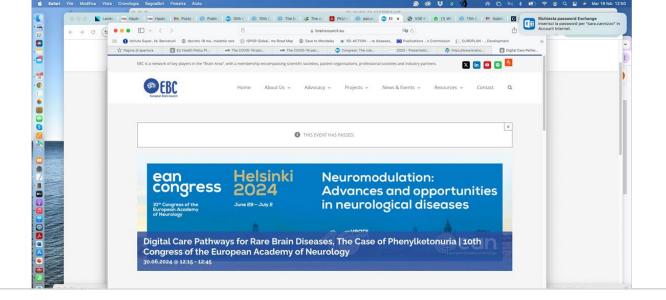




#### Acknowledgements

This study is sponsored by the EBC as part of the Value of Treatment project. Riomarin is the Industry funder





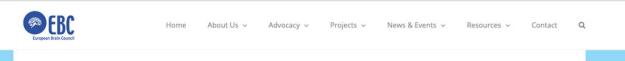
### Digital Care Pathways for Rare Brain Diseases, The Case of Phenylketonuria

30 June 2024 – Scientific Theatre 12:15 to 12:45 CEST







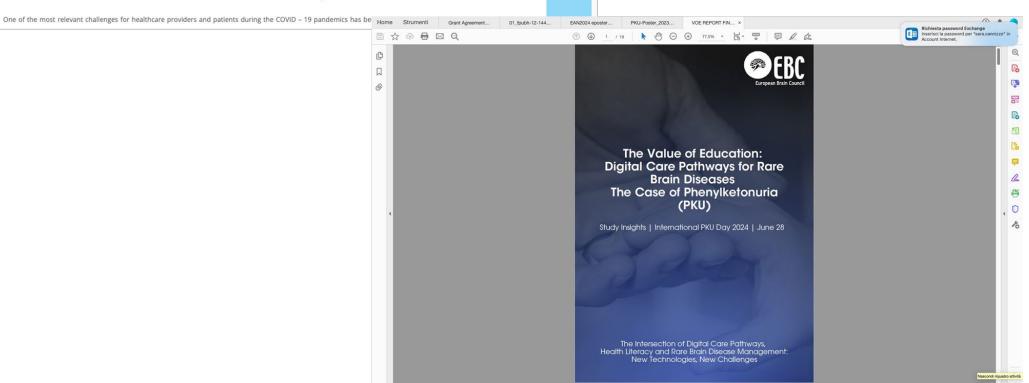






### Digital Care Pathways for Rare Brain Diseases

#### The Value of Education: Digital Care Pathways for Rare Brain Diseases. The case of Phenylketonuria



(2024) 19

REVIEW Open Access

#### Check for updates

### The COVID-19 pandemic impact on continuity of care provision on rare brain diseases and on ataxias, dystonia and PKU. A scoping review

Sara Cannizzo¹, Vinciane Quoidbach², Paola Giunti³, Wolfgang Oertel⁴, Gregory Pastores⁵, Maja Relja⁶ and Giuseppe Turchetti¹.7⁵

#### **Abstract**

One of the most relevant challenges for healthcare providers during the COVID- 19 pandemic has been assuring the continuity of care to patients with complex health needs such as people living with rare diseases (RDs). The COVID-19 pandemic accelerated the healthcare sector's digital transformation agenda. The delivery of telemedicine services instead of many face-to-face procedures has been expanded and, many healthcare services not directly related to COVID-19 treatments shifted online remotely. Many hospitals, specialist centres, patients and families started to use telemedicine because they were forced to. This trend could directly represent a good practice on how care services could be organized and continuity of care could be ensured for patients. If done properly, it could boast improved patient outcomes and become a post COVID-19 major shift in the care paradigm. There is a fragmented stakeholders spectrum, as many questions arise on: how is e-health interacting with 'traditional' healthcare providers; about the role of the European Reference Networks (ERNs); if remote care can retain a human touch and stay patient centric. The manuscript is one of the results of the European Brain Council (EBC) Value of Treatment research project on rare brain disorders focusing on progressive ataxias, dystonia and phenylketonuria with the support of Academic Partners and in collaboration with European Reference Networks (ERNs) experts, applying empirical evidence from different European countries. The main purpose of this work is to investigate the impact of the COVID-19 pandemic on the continuity of care for ataxias, dystonia and phenylketonuria (PKU) in Europe. The analysis carried out makes it possible to highlight the critical points encountered and to learn from the best experiences. Here, we propose a scoping review that investigates this topic, focusing on continuity of care and novel methods (e.g., digital approaches) used to reduce the care disruption. This scoping review was designed according to the Preferred Reporting Items for Systematic Reviews and Meta-Analyses extension for scoping reviews (PRISMA-ScR) standards. This work showed that the implementation of telemedicine services was the main measure that healthcare providers (HCPs) put in place and adopted for mitigating the effects of disruption or discontinuity of the healthcare services of people with rare neurological diseases and with neurometabolic disorders in Europe.

\*Correspondence: Giuseppe Turchetti giuseppe.turchetti@santannapisa.it

Full list of author information is available at the end of the article



© The Author(s) 2024. Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons Iscence, and inclidate if changes were made. The images or other third party material in this article are included in the article's Creative Commons Iscence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons Iscence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit http://creativecommons.org/licence/by/40/. The Creative Commons Public Comain Dedication waiver (http://creativecommons.org/publiccomain/zero/1.0/) applies to the data made available in this article unless otherwise stated in a credit line to the data.

**Title:** The organizational dimension in rare and complex diseases care management: an application of RarERN Path® methodology in Ataxias, Dystonia and Phenylketonuria

#### **Authors:**

Sara Cannizzo, Vinciane Quoidbach, Leopoldo Trieste, Monika Benson, Antonio Federico, Alessandro Filla, Bernadette Sheehan Gilroy, Paola Giunti, Holm Graeßner, Julie Greenfield, Tobias Hagedorn, Alvaro Hermida, Barry Hunt, Anita McDonald, Francesca Morgante, Wolfgang Oertel, Gregory Pastores, Martje G Pauly, Carola Reinhard, Maja Relja, Eileen Treacy, Francjan Van Spronsen, Julie Vallortigara and Giuseppe Turchetti.

#### **SUBMITTED – UNDER REVIEW**

**Title:** The role of digital tools and their implementation within Patient Care Pathways for Rare Brain Disorders: the case of Phenylketonuria

#### **Authors:**

Sara Cannizzo, Vinciane Quoidbach, Bernadette Sheehan-Gilroy, Tobias Hagedorn, Agata Bak, Suzanne Dickson, Eileen Treacy, Alvaro Hermida, Anita McDonald, Eva Venegas, James O'Byrne, Maurizio Scarpa, Francjan Van Spronsen, Eric Lange, Tim Buckinx, Ahmad Monavari, Stephan vom Dahl, Leopoldo Trieste, Giuseppe Turchetti

### Unmet Needs and Optimising Patient Care Pathways for Rare Brain Disease in Europe

#### **The Clinical Perspective**



Alexis Arzimanoglou, Neurologist, Spain: The case of Rare Epilepsies (ERN EpiCARE)



Lorenzo Maggi, Neurologist, Italy: The case of MG (ERN-NMD)



Vinciane Quoidbach, Research Project Manager, European Brain Council



### Unmet Needs and Optimising Patient Care Pathways for Rare Brain Disease in Europe

#### **Industry Perspective on Myasthenia Gravis**



Walter Atzori, Global Patient Advocacy Strategic Lead, Alexion



Anna Kole, Global Patient Engagement Lead MG, UCB



Vinciane Quoidbach, Research Project Manager, European Brain Council



# Session 3 Towards a Rare Brain Disease Ecosystem & Knowledge Hub: Open Discussion



### Towards a Rare Brain Disease Ecosystem & Knowledge Hub: Open Discussion

#### A Multistakeholder Perspective



Julian Grosskreutz, ALS Coalition



Frédéric Destrebecq, Executive Director, European Brain Council



### Towards a Rare Brain Disease Ecosystem & Knowledge Hub: Open Discussion

#### **Panel Discussion**



Sameer Zuberi,
Past President, European
Paediatric Neurology
Society (EPNS)



Astri Arnesen,
President, European
Federation of
Neurological
Associations (EFNA)



Kailash Bhatia,
President-Elect,
European Academy
of Neurology (EAN)



Frédéric Destrebecq, Executive Director, European Brain Council



#### Rare Brain Disease Ecosystem & Knowledge Hub

A platform dedicated to understanding, diagnosing, treating and supporting rare brain diseases.

The Ecosystem

### Connecting the world for brain health and rare disease care



### The Rare Brain disease Ecosystem and Knowledge Hub - Objectives

Build a scientifically based, transparent and independent Rare Brain Disease Ecosystem and Knowledge Hub that:

- Brings together, connects the community that share common interest in delivering equitable effective. and sustainable solutions to facilitate the prevention, diagnosis, treatment and RBDs, of management especially in areas where there is an unmet public health need.
- Promotes research projects and dissemination of study results led by EBC with its members and partners as well as any study on rare brain disease led by all the stakeholders in the field (patient associations, European Reference Networks, scientific societies, industry, etc).
- Prioritizes brain health: bridging science to society and informing policy through the set-up of a knowledge hub using a shared platform.



### The Rare Brain disease Ecosystem and Knowledge Hub - Objectives

#### The Rare Brain Disease Ecosystem, more specifically, aim will be:

- to **translate** to scientific results and issues in a more understandable and readable way;
- To discuss current and potential challenges and opportunities (transfer of innovation, organizational and technological, regulatory, economic sustainability, equity of access,...)
   that, if unblocked, would be game-changers in the development of healthcare solutions;
- To **articulate** research areas towards these opportunities that could be addressed in EBC's Ecosystem as a cross-sectoral public-private partnership;
- To **maximize** policy impact of EBC's and any other stakeholders' projects in the Rare Brain Disease Ecosystem.



### Towards a Rare Brain Disease Ecosystem & Knowledge Hub: Open Discussion

#### Q&A



Sameer Zuberi,
Past President,
European Paediatric
Neurology Society (EPNS)



Astri Arnesen,
President, European
Federation of Neurological
Associations (EFNA)



Kailash Bhatia, President-Elect, European Academy of Neurology (EAN)



Frédéric Destrebecq, Executive Director, European Brain Council



#### Wrap Up & Closing Remarks



Suzanne Dickson
President, European Brain Council



#### **Networking Lunch**

