



European
Reference
Network

for rare or low prevalence
complex diseases

 Network

Intellectual Disability
and Congenital
Malformations (ERN ITHACA)

NHS

Manchester University
NHS Foundation Trust

ERN ITHACA: RO-NMCA ID participation (NoRo)

Dorica Dan – NoRo

I·T·H·A·C·A



THE EU AND RARE DISEASES — TIMELINE



1995:

EU Council resolution on orphan drugs: rare diseases are a European public health priority

2000:

EU Regulation on Orphan Medicinal Products

2009:

Council Recommendation on Rare Diseases calls upon Member States to implement national plans on rare diseases

2008:

European Commission Communication on Rare Diseases launches strategy to support Member States with diagnosis, treatment and care for rare disease patients

2002:

European Parliament and the European Union Council Decision: new community action programme in the field of public health (2003-2008)

2011:

EU Directive on Patient's Rights in Cross Border Healthcare

2013:

EU Committee of Experts on Rare Diseases replaces EUCERD

2014:

EMA launches adaptive pathways

2015:

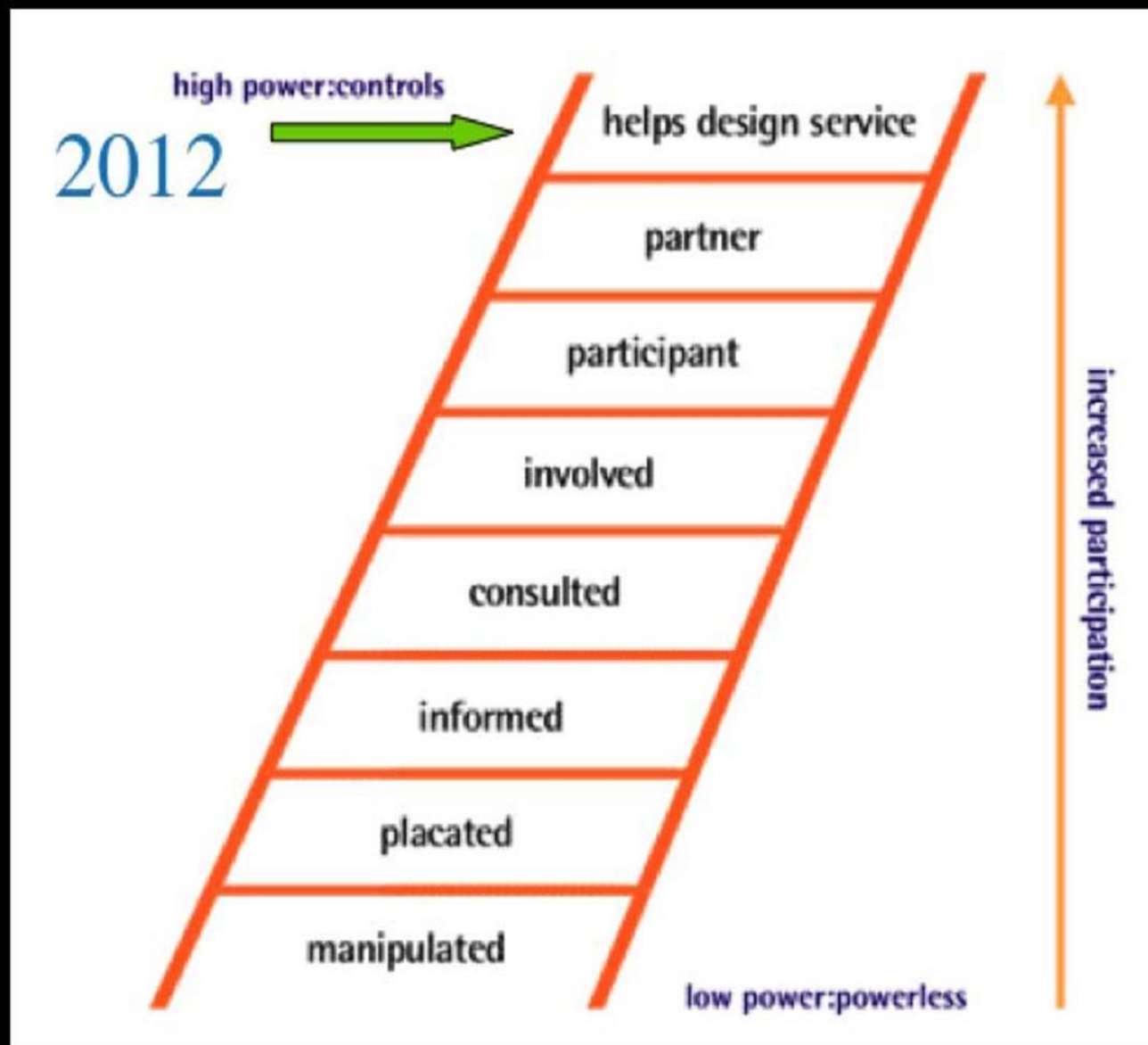
European Expert Group Recommendation on cross-border genetic testing of rare diseases in the EU

Highlights in the first half IN 2016

- Publication of the Call of Interest for the European Reference Networks (ERNs)
- The 8th European Conference on Rare Diseases & Orphan Products will take place from **26-28 May** in Edinburgh
- First meeting of the EU Expert Group on Rare Diseases will take place in **April 2016**
- Publication of the results of the European Commission's Public Consultation on the Orphan Medicinal Products Regulation

<https://www.euractiv.com/section/health-consumers/infographic/rare-diseases-in-the-eu/>

We changed the role of the patients



DIRECTIVA 2011/24/UE A PARLAMENTULUI EUROPEAN SI A CONSILIULUI din 9 martie 2011 privind aplicarea drepturilor pacientilor în cadrul asistentei medicale transfrontaliere

Articolul (54)

Comisia ar trebui să sprijine dezvoltarea continuă a **rețelelor europene de referință (RER)** între furnizorii de servicii medicale și centrele de expertiză din statele membre.

Retelele europene de referință pot îmbunătăți accesul la diagnostic și furnizarea unei asistente medicale de înaltă calitate tuturor pacienților a căror situație medicală necesită o concentrare deosebită de resurse și expertiză și ar putea, de asemenea, constitui puncte centrale pentru formarea și cercetarea medicală, diseminarea informațiilor și evaluare, ales în cazul bolilor rare. Prin urmare, prezenta directivă ar trebui să ofere stimulente statelor membre pentru a consolida dezvoltarea continuă a rețelelor europene de referință.

Retelele europene de referință se bazează pe participarea **voluntară** a propriilor membri, dar Comisia ar trebui să formuleze criterii și condiții pe care rețelele ar trebui să fie solicitate să le îndeplinească pentru a primi sprijin din partea Comisiei.

RETELELE EUROPENE DE REFERINȚĂ (ERNS)

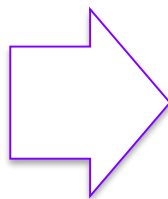


SCOP:

Îmbunătățirea accesului la îngrijiri medicale ultraspecializate, de înaltă calitate și sigure.

POLItica de sănătate europeană pentru bolile rare- ACTIVITĂȚI ale comisiei

1. Planuri și strategii în domeniul bolilor rare:

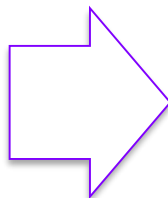


EUROPLAN:

Recomandări pentru elaborarea planurilor și strategiilor naționale privind BR (2008-2011) și (2012 – 2015).

2. Definierea, codificarea și inventarierea bolilor rare

3. Cercetarea cu privire la bolile rare



Platformă europeană privind înregistrarea BR.

4. Centre de expertiză și rețele europene de referință în domeniul BR

POLitica de sănătate europeană pentru bolile rare- ACTIVITĂȚI ale comisiei

5.Reunirea expertizei în domeniul bolilor rare la nivel european

6.Responsabilizarea organizațiilor de pacienți

7.Guvernanța și coordonarea europeană

8. Acțiuni de ameliorare a calității asistenței medicale în domeniul BR



Screeningul populației pt depistarea BR



Facilitarea accesului la produse medicamentoase orfane



Regulamentul privind produsele medicamentoase orfane

9. Dimensiunea globală a politicii în domeniul BR



RECOMANDĂRILE COMISIEI EUROPENE:

European Union Committee of Experts
on Rare Diseases

EUCERD RECOMMENDATIONS



QUALITY CRITERIA FOR
CENTRES OF EXPERTISE FOR
RARE DISEASES
IN MEMBER STATES

24 OCTOBER 2011



EUCERD RECOMMENDATIONS
on
RARE DISEASE
EUROPEAN REFERENCE
NETWORKS
(RD ERNS)

31 JANUARY 2013



Commission Expert Group on Rare Diseases

Recommendation on
CROSS BORDER GENETIC TESTING OF RARE DISEASES IN
THE EUROPEAN UNION

13 November 2015

APRIL 2016



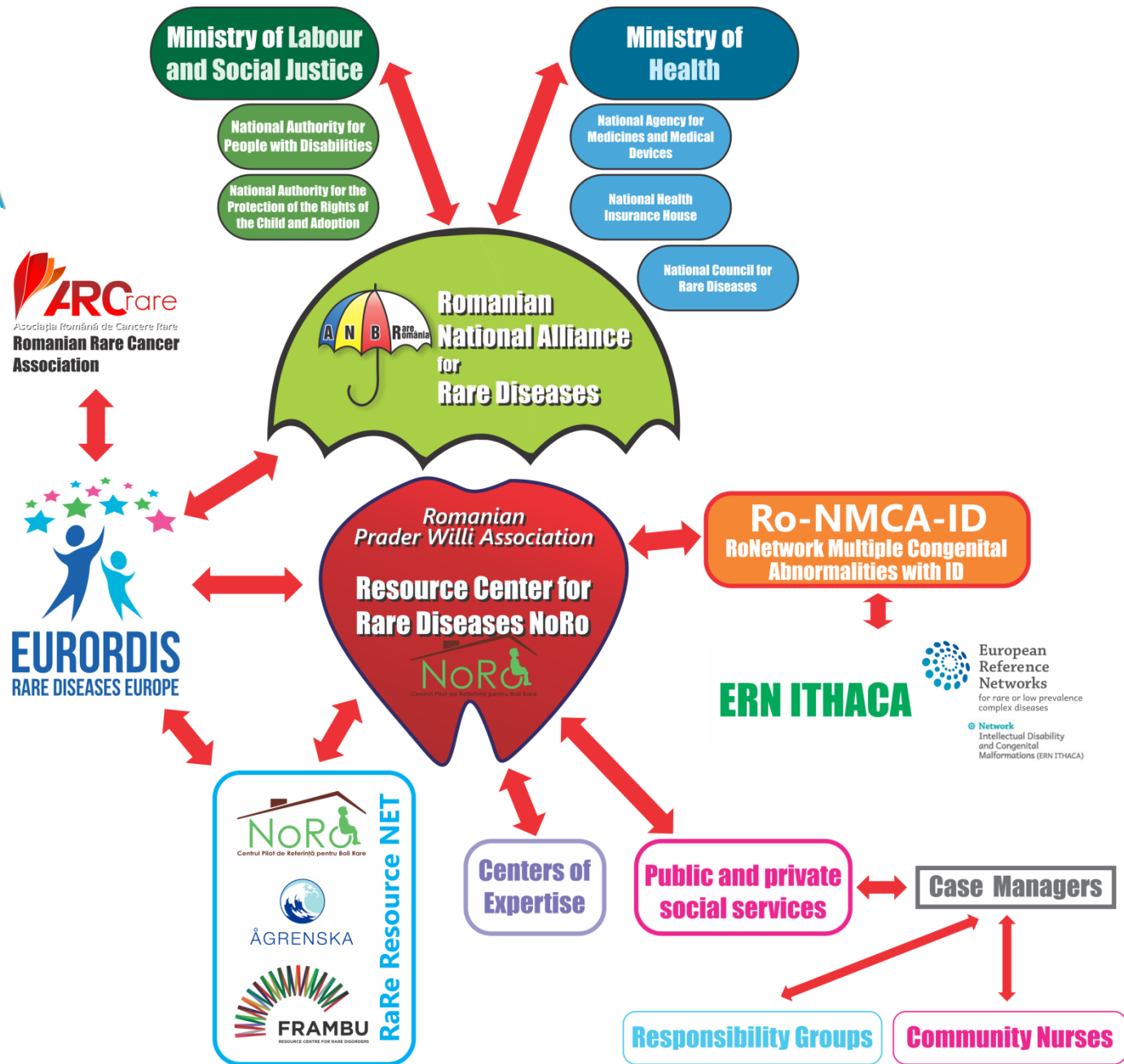
Commission Expert Group on Rare Diseases

RECOMMENDATIONS

TO SUPPORT THE INCORPORATION OF RARE DISEASES
INTO SOCIAL SERVICES AND POLICIES

UNDE SUNTEM?

CUM NE RAPORTAM LA
CEILALTI?





The network

Ro-NMCA-ID (RoNetwork Multiple Congenital Abnormalities with ID):

- 1. L.Turcanu Paediatric Emergency Hospital **Timisoara** (Regional Centre for Medical Genetics Timis);
- 2. NoRo Pilot Reference Centre for Rare Diseases in **Zalau**;
- 3. County Emergency Hospital **Craiova** (Regional Centre for Medical Genetics Dolj)
- 4. “Sfanta Maria” Paediatric Emergency Hospital **Iasi**, Medical Genetics Center
- 5. Municipal Hospital “Dr. Gavril Curteanu” **Oradea** (Regional Centre for Medical Genetics Bihor)



ROMANIA

- ★ National capital
- County seat
- City, Town
- ✈ Major airport
- International boundary
- Expressway
- Main road
- - - Railroad



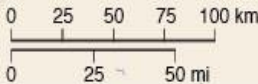
Chisinau

MOLDOVA

UKRAINE

Black Sea

N



Colaborarea Ro-NMCA-ID

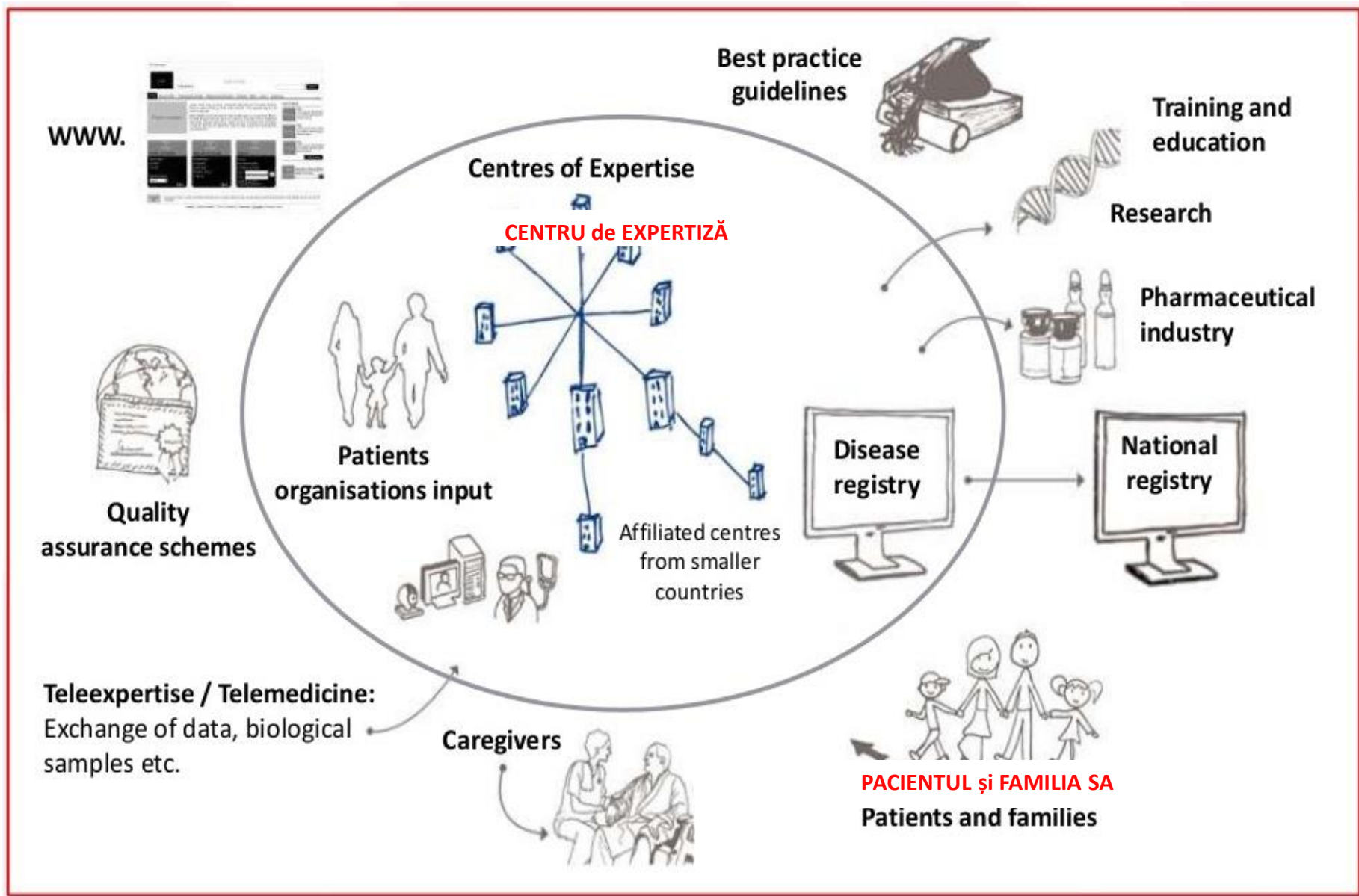
Ro-NMCA-ID se bazeaza pe o activitate de colaborare de peste 5 ani inainte de formarea retelei

Cele 4 centre de genetica au expertiza in diagnostic, prevenire si tratament in bolile genetice, in timp ce NoRo ofera terapie, educatie terapeutica si grupuri de suport;

- ✓ *“The Centre in Timisoara brings a rich experience with paediatric patients and high throughput array CGH and sequencing equipment.*
- ✓ *The Centre of in Craiova brings expertise in prenatal testing and prevention of rare genetic diseases.*
- ✓ *The Genetics Departments from Iasi and Oradea have broad expertise in dysmorphology.*
- ✓ *The NoRo Centre completes the network with supportive medical and social services, therapies, patient/family empowerment and trainings, alongside efforts to raise awareness for rare diseases. “*

Etape	Obiective	Responsabili NoRo	Infrastructura
1	Pacientul se adreseaza Centrului NoRo pentru diagnostic (HelpLine) _ Este orientat pentru diagnosticare la unul din centrele de expertiza cu care colaboram;	Operator HelpLine	HelpLine NoRo
2. 1.	Diagnosticare intr-unul din centrele din retea	Specialisti CE	Catedra de Genetica Cluj, Centrul de Genomica sau CRG Tm, Iasi, Oradea, CRGD, IOMC, CE, Clinica de Reumatologie Cj, CETM, CE Fundeni, CE Parhon, etc.
2.2.	Stabilirea unui diagnostic clinic corect cu ajutorul testelor specifice aflate in dotarea NoRo ;	Genetician pediater Medic specialist psihiatrie pediatrică Psiholog clinician Neurolog	NoRo (LMD, Ecograf, EKG, EEG, EMG, Extractor ADN, teste psihologice)
3	Consultul clinic si genetic al pacientilor diagnosticati; Daca diagnosticul nu este de natura genetica, se trece DIRECT la pasul 6;	Genetician NoRo Pediater Psihiater NoRo Neurolog NoRo	Cariotip si FISH – testarea la Catedra de Genetica, UMF Cluj, Centrul de Genomica Tm, CRGD, CRGI; Alti specialisti din CE
3	Transmiterea analizelor pentru efectuarea testelor genetice specifice la cei cu tablou clinic sugestiv pentru o anomalie genetica;	Genetician NoRo Pediater	Cariotip si FISH – testarea la Catedra de Genetica, UMF Cluj, Tm, Centrul de Genomica Tm, CRGD;
4	Analiza globala a genomului prin SNP array sau cariotip, daca este cazul;	Genetician angajat al Centrului NoRo Pediater	Catedra de Genetica Cluj, UMF Timisoara, CRGD;
5	Acordarea sfatului genetic post- testare pentru pacientii diagnosticati	Genetician NoRo Psiholog NoRo Reprezentant pacienti Pediater	Grup de suport Centrul NoRo Consiliere psihologica si informare privind serviciile accesibile (NoRo)
6	Initierea conduitei terapeutice si a tratamentului (daca este cazul) ;	Specialist CE	Catedra de Genetica Cj, UMF Timisoara, CRGD; CRGO, CRGI, IOMC, TM, Pediatrie 1, Clinica de Reumatologie Cluj, Clinica Fundeni, Inst. Parhon. Alte CE;
7	Introducerea in serviciile Centrului NoRo	Echipe interdisciplinare NoRo	Infrastructura de educatie terapeutica, respiro si recuperare: Ambulator NoRo Centru de zi si centru rezidential,Registru de pacienti
8	Comunicarea permanenta cu celelalte servicii : CE + servicii socio-medicale la nivel local	Echipe interdisciplinare NoRo	Intalniri periodice Actualizare permanenta a hartii serviciilor Formularul de documente comune: www.participare.ro
9	Re- evaluare	Specialisti CE	CE

Ingrijire integrata



Reprezentare Ro-NMCA-ID in ITHACA

- **Coordonator** – Centrul Regional de Genetica Timis, **Prof. Dr. Maria Puiu**
- **Membra** in Boardul ITHACA, **Prof. Dr. Cristina Rusu, Iasi**
- **Membra** in Boardul ITHACA, **Dorica Dan**, reprezentant ePAG.
- **Membra supleanta** in boardul ITHACA, **Dr Adela Chirita-Emandi**



Workpackages ITHACA (NoRo)

- WP1-3 Management, Dissemination, Evaluation

Coordinated by Manchester ,
transferred to Paris

- WP4 Telehealth

- 38 centres from 14 member states

- WP5 Expert Patient Care

- Patient representation; E-PAGs/others

- WP6 Patient Registers

- Possibility to have new members affiliate HCPs who do not fulfil all criteria

- WP7 Research

- Involvement of other associated groups ho are not Health are Providers e.g. EUROCAT

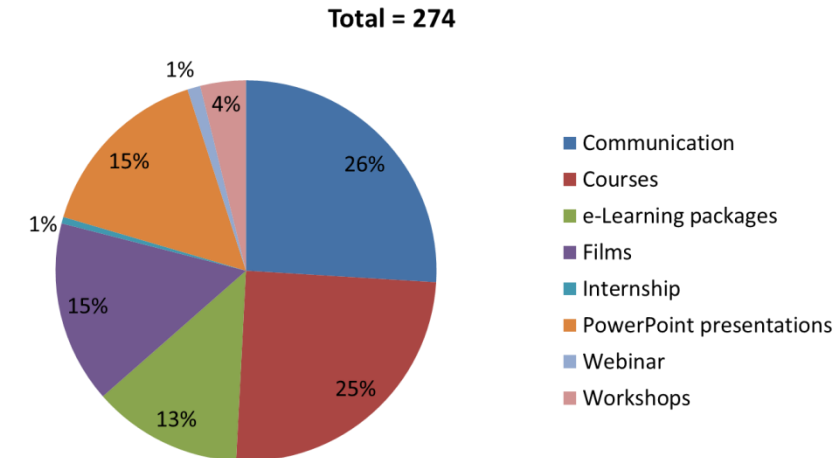
- WP8 Teaching and Training



There are currently a total of 274 materials declared. The breakdown of participation and categories of the submitted material are shown in the charts below.

Materiale de instruire

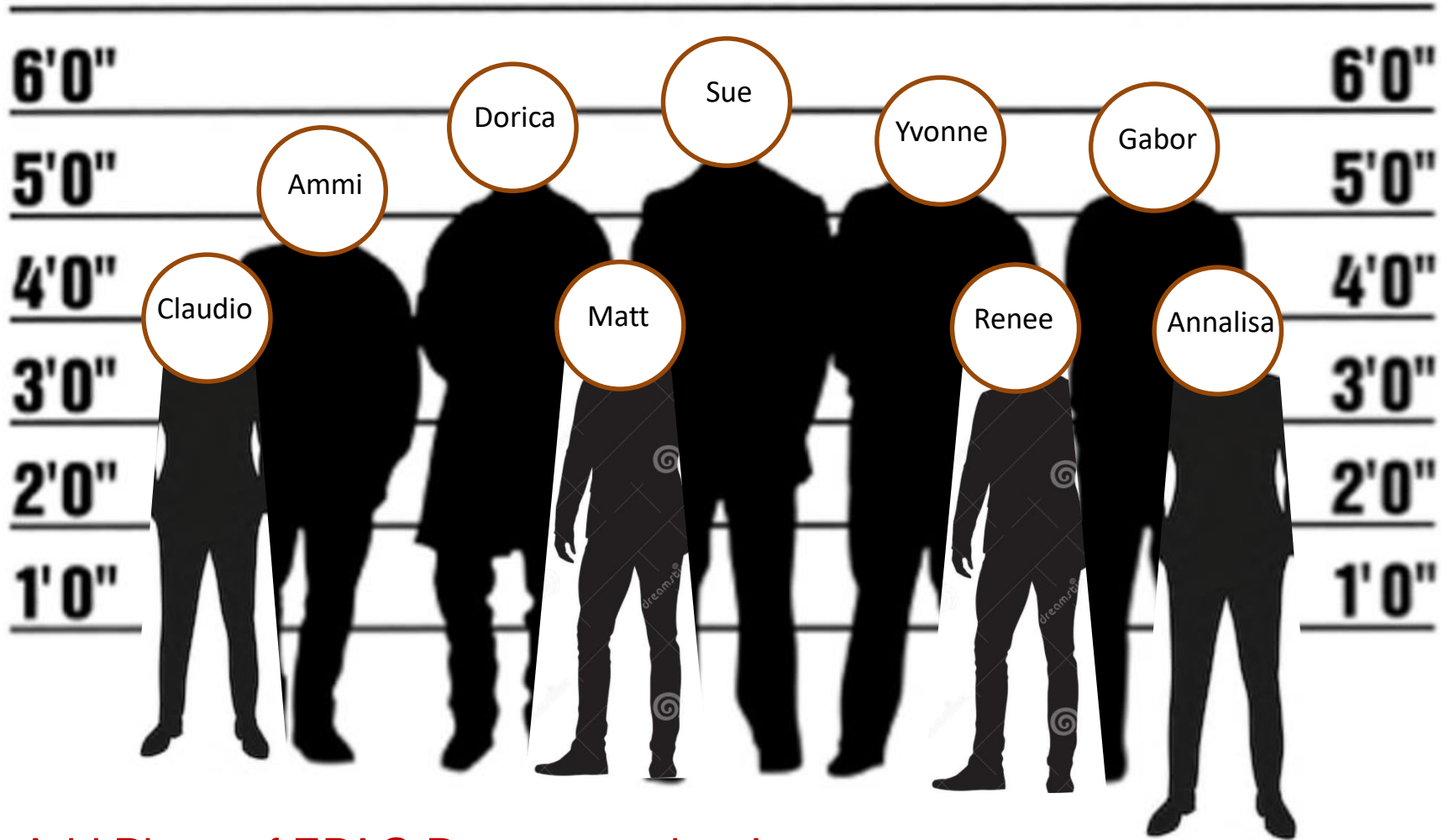
Country	Nb HCP	Nb material	Country	Nb HCP	Nb material
Belgium	0/3	-	Italy	3/8	48
Cyprus	0/1	-	Lithuania	0/1	-
Czech Republic	0/1	-	Netherlands	2/5	17
Finland	0/1	-	Portugal	1/1	41
France	3/8	84	Romania	1/2	30
Germany	0/3	-	Sweden	0/1	-
Hungary	1/2	34	UK	1/3	20



The Usual Suspects...!



Ern-ithaca epag : Usual Suspects...!



Add Photo of EPAG Representatives!

Realizari ITHACA...

- Staff angajat (Michael Smith, Myfanwy (Miffy) Rawson)
- Rezultatele anului 1 – la timp
- Raport tehnic – trimis
- Raport financiar anul 1 - trimis
- **Launch meeting Sept 2017**
- Steering Group met October 2017
- **Pregatirea planului de dezvoltare pentru 3-5 ani**
- Aplicatii proiecte
- **Intalnirea anuala la Milano**
- **Intalnirea F2F Paris, octombrie 2018**
- **Materiale instruire trimise**
- **Pregatire curs online**
- **Participare webinar, EURORDIS in Viena, EURORDIS Winter School in Paris, EU Facilitating Research meeting in Dublin, RD Action workshops**
- **Website ITHACA**
- **Webinarii trimestriale**
- **Modul eLearning integrated care**

Traduceri ghiduri clinice

2 ghiduri noi: Noonan syndrome and Fetal Valproate Syndrome expert consensus

Preliminary work on next guideline with MCAP patient groups

Amsterdam Pitt Hopkins guidelines being prepared



Website.... http://www.ernithaca.org/?page_id=15



News and Events

ERN-ITHACA May 2018 Newsletter

Click the below link to download the ERN-ITHACA May 2018 Newsletter. ERN-ITHACA May 2018 newsletter.

June 5th, 2018 | [Latest Publications](#)

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ERN-ITHACA April 2018 Newsletter

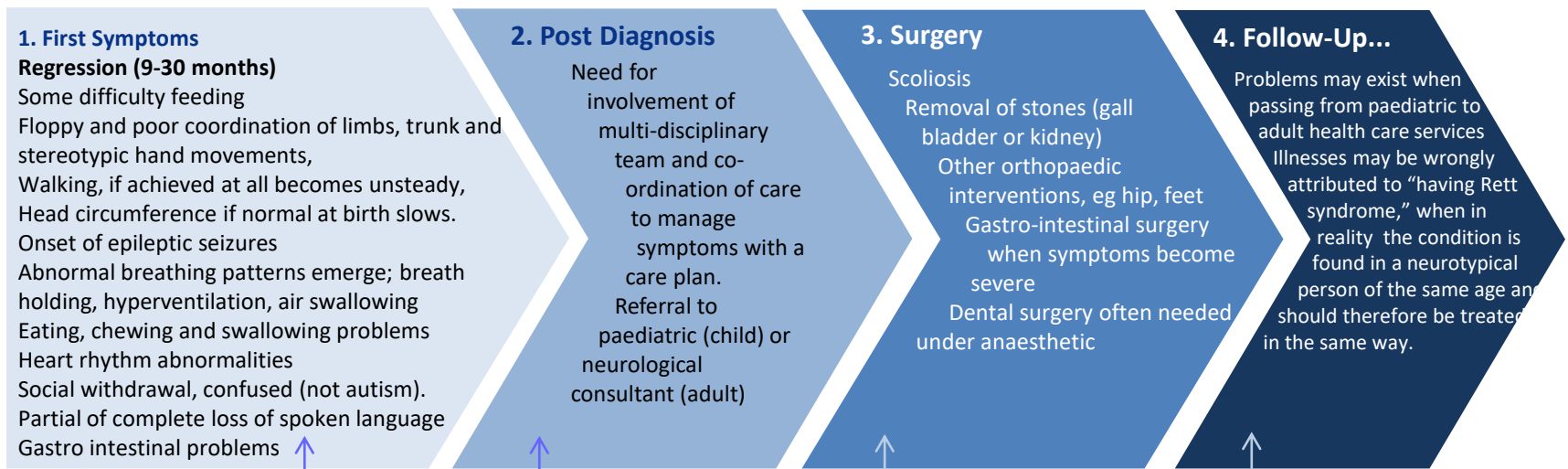
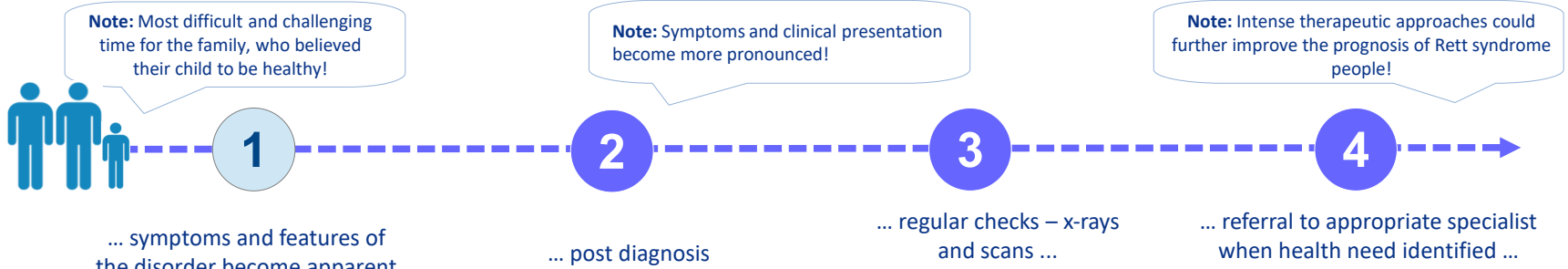
Click the below link to download our April 2018 Newsletter. ERN Newsletter April 18

Tweets by @ERNithaca

-  **ERN-ITHACA** @ERNithaca
The May 2018 ERN-ITHACA newsletter is now available ernithaca.org/?p=1075
 **ERN-ITHACA May 2018 ...**
Click the below link to do...
ernithaca.org
👍 🔄 1h
-  **Sofia Douzgou** @SofiaDouzgou
Learning together today to prevent stroke in children, a day of lectures and multidisciplinary brainstorming kindly sponsored by the CNS Vasculitis Charitable Fund @ERNithaca #EURORDIS
👍 🔄 Jun 1, 2018



Patient Journey Rett Syndrome



Note: Detailed care plan needs to be put in place to address the health needs of the specific comorbidities!

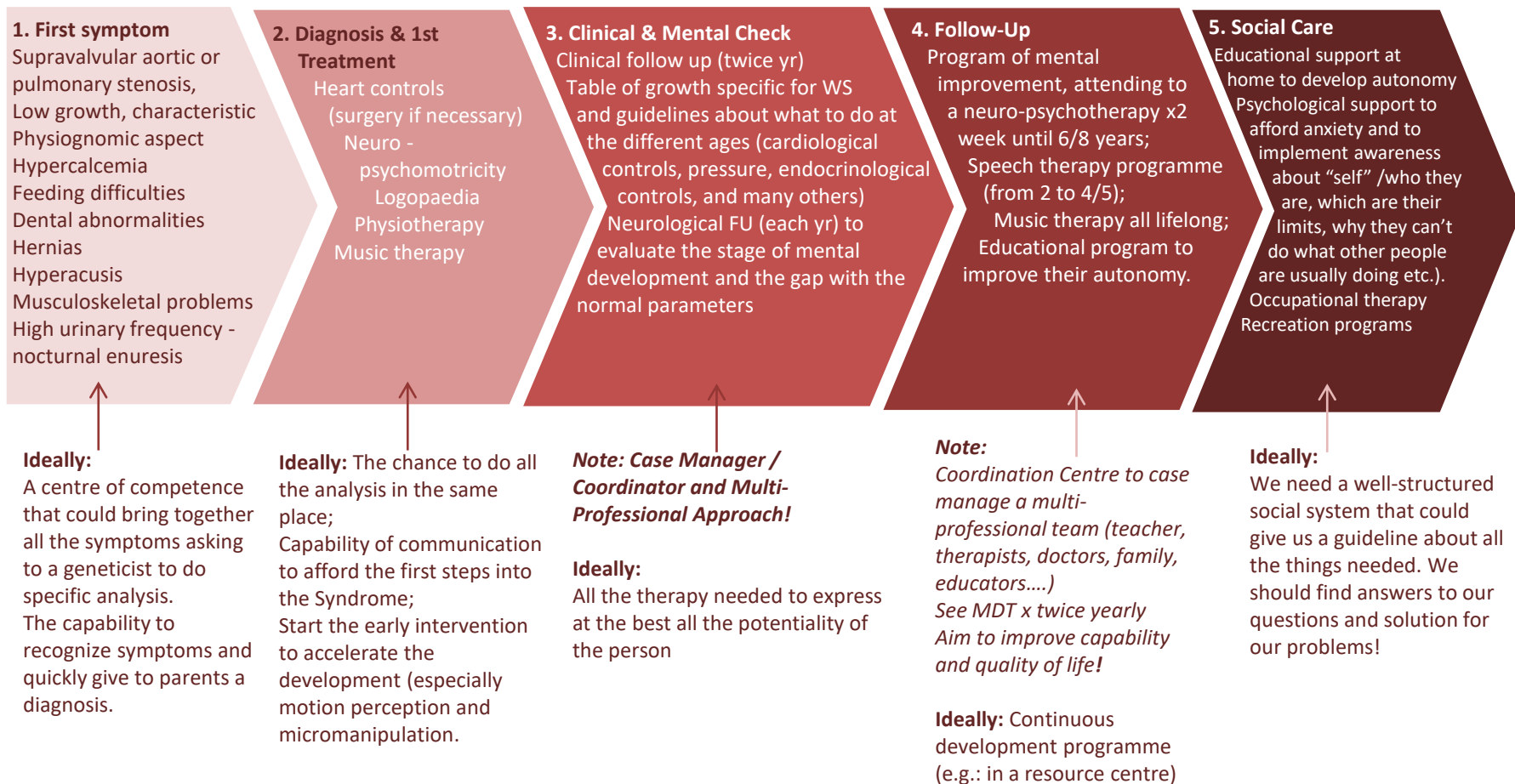
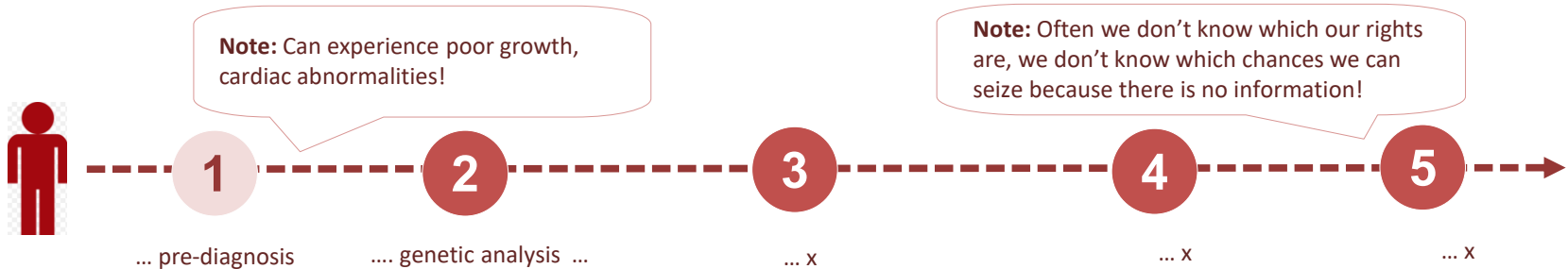
Ideally: Support for the family can be accessed from the experienced and professional national Rett organization (Rett UK). Access to knowledgeable and supportive GP

Ideally: Care plan to involve physiotherapy, occupational therapy, SaLT, hydrotherapy and music therapy - can help a person with RTT lead a happy and full life.
 Have an up to date Health Passport for use in consultations or emergency

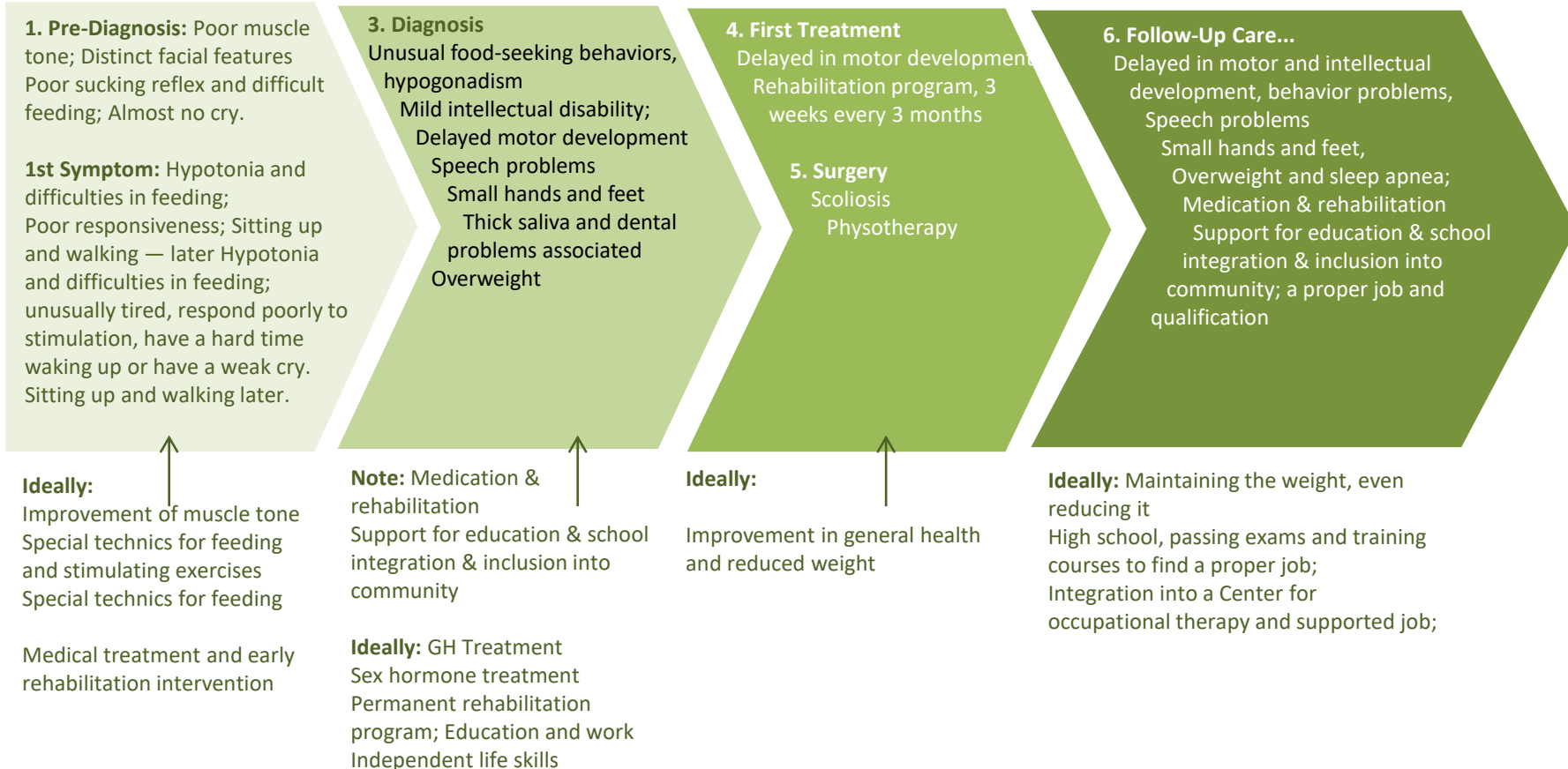
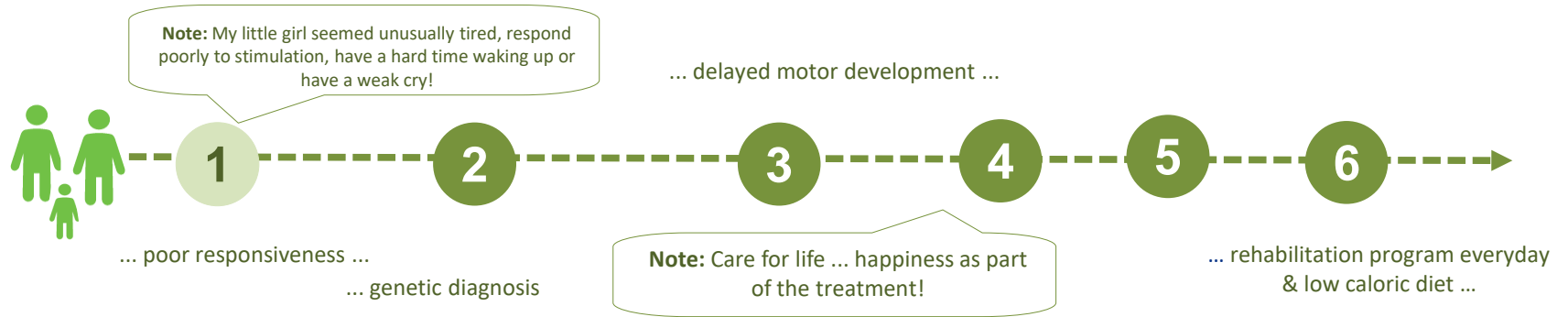
Ideally: Regular checks including X ray or scans where appropriate to check on progression of any identified problems.

Ideally: Annual health check with GP; include long QT check, blood tests, full body examination
 Any symptoms identified should be promptly referred for further investigation and escalated up the care pathway where necessary
 Need easy to understand guidelines/health checklists to guide parents and carers through the complex symptoms and problems of the disorder

Patient Journey Williams Syndrome



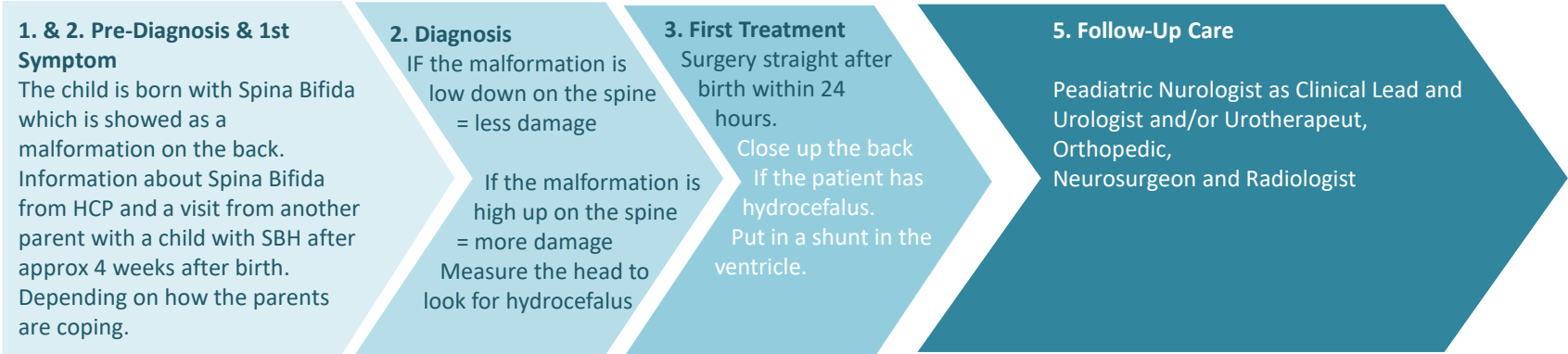
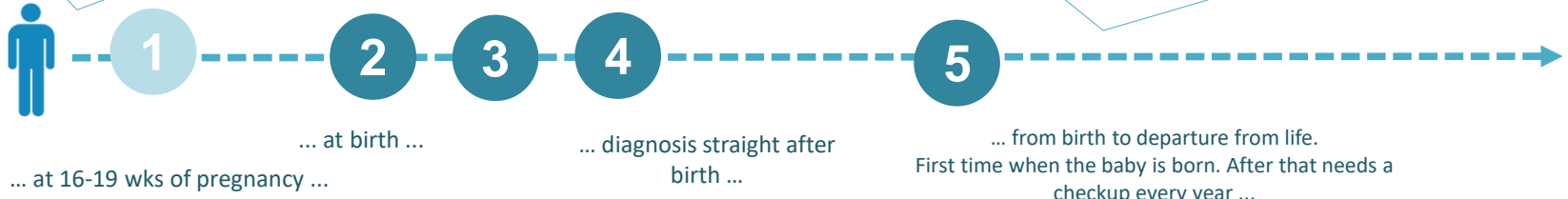
Patient Journey Prader Willi Syndrome



Patient Journey Spina Bifida

Note: Might be detected in the womb at an ultrasound control, defect on the spine or an unnatural big head.

Note: Patient will be at the hospital/clinic/specialist center for 4-7 days so it is possible to do all the exams!



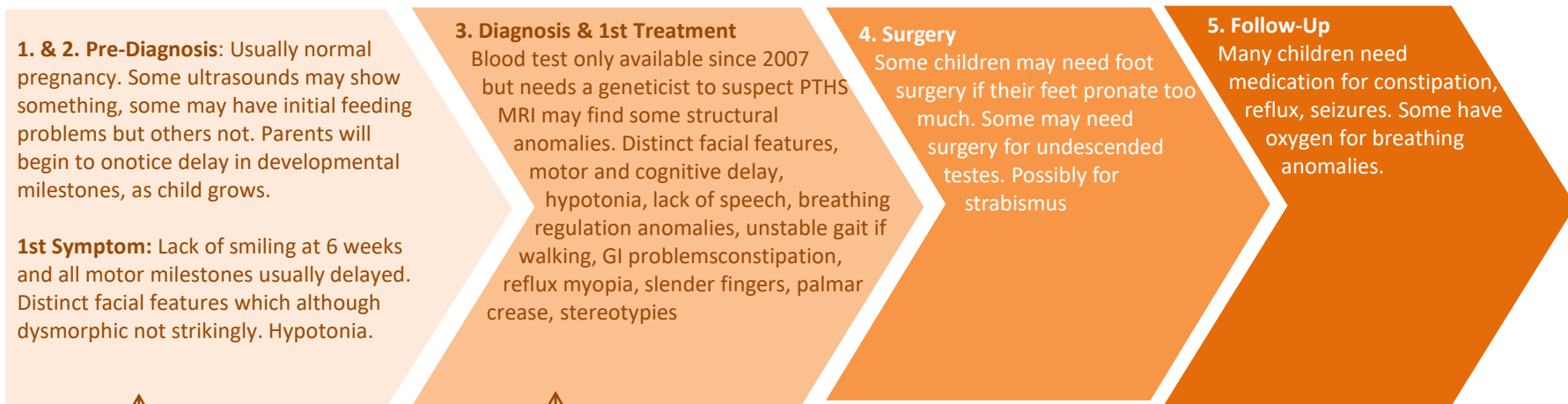
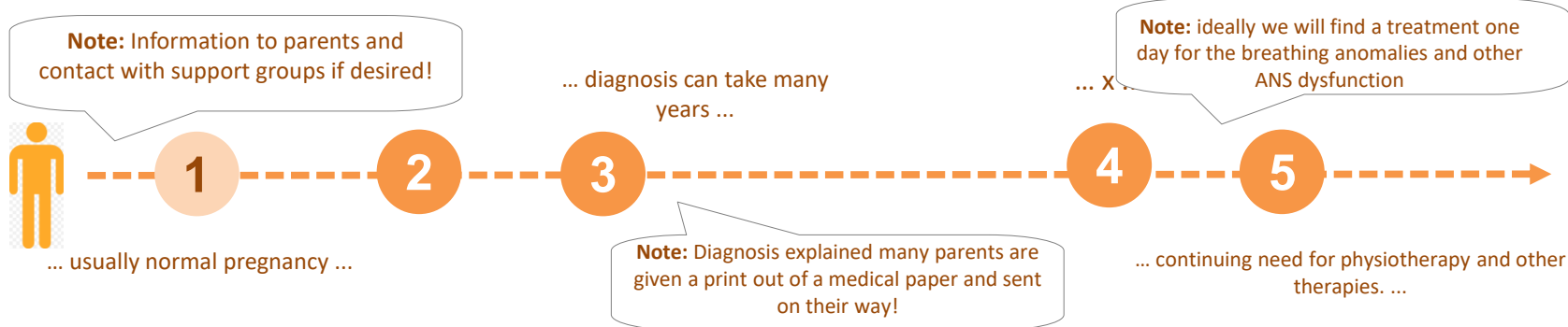
Note: The parents can choose about proceeding with the pregnancy, surgery in the womb or leave it as it is and wait until birth!

Ideally: The parents feel their being well taken care of, having faith in the doctors. Being well informed on why and what to do next

Ideally: The parents have a patient responsible doctor who has all the information on the child and who is listening to parents concerns

Note:
Urologist/urosergeon – checks up the kidney, bladder and bowl movement. If there are any problems a discussion is needed for surgery.
Urotherapist – examine bladder control and bowl movement. Teach how to do clean intermittent catheterization with is very important to be able to do yourself.
Orthopedic – checks for defects on feet’s, knees, hips, scoliosis, kufosis, etc. If needed – consult with an orthopedic technician or surgery.
Neurosurgeon – Hydrocephalus, Arnold chiari syndrom, tethered cord which can do a lot of damage like lost of feel, pain and so on. If problems there is a need of surgery
The Neurologist – is the patient responsible doctor who checks out the rest like epilepsy, eyes pressure, cognition, ability to swallow and eat, weight (to big /to small) etc and writes referrals specialists in the area for further treatment.

Patient Journey Pitt Hopkins Syndrome



Ideally:

Doctors take parents' concerns seriously early so therapy can begin promptly. Initially this is physiotherapy.

Note: Physiotherapy once doctors agree there is developmental delay. In addition children often receive OT, ST, MT and SIT. Regular follow-up by paediatrician. May have medication for constipation or reflux

Note: Sight and hearing checked. Feet looked at and reviewed regularly for specialist footwear. Back checked for scoliosis. EEG done for base-line. Advice for constipation. OT assessment for equipment

Note: Hydrotherapy available after surgery and other physiotherapy!

Ideally: Good communication between different specialists and therapists.

Note: SEN schools involvement early on. Respite for family. Help with care in home. Regular access specialist!

Provocari

- Start intarziaiat si timp pentru formarea echipei
- Implicarea membrilor
- Platforma CPMS
- Lipsa fonduri pentru a angaja personal
- Termene scurte pentru aplicatii
- Documente de raportare
- Timp pentru traducerea materialelor existente
- Brexit

