



**European
Reference
Network**

for rare or low prevalence
complex diseases



Network
Intellectual Disability
and Congenital
Malformations (ERN ITHACA)



Manchester University
NHS Foundation Trust

How virtual health care is happening in ERN-ITHACA

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Connecting with previous experience

Dysmorphology at a distance: Results of a web-based Diagnostic Service

22.50%	New, Clinical Diagnosis
17%	Recurrence Risk
14%	Diagnosis with available genetic test
5%	Diagnosis of unknown genetic cause
26%	Confirmation of Submitted Clinical Suspicion
17%	Refuted Submitted Clinical Suspicion
1%	New syndrome
70.50%	Genetic Investigations suggested
35.50%	Other laboratory Investigations suggested
26%	Imaging suggested
23.50%	Other specialist opinion suggested
181	Differential Diagnosis offered
1-9/100 000 - unknown	Range of Prevalence of conditions diagnosed
5	Average number of expert reviews
36 days	Average turn-around-time of diagnosis
127 euros	Estimated Cost per case
12	Medical specialties of registered users
39	Participating countries

Harnessing multiple and variable participation



ITHACA - Intellectual Disability and Congenital Malformations USER: Dr. Sofia Douzgo

Panels


All ERN Leading Contributing Include aborted Include archived

Thematic area: All

Panel ID	Nickname	Started	Lead	State	Centre	Thematic Area
# 31	Bulgarian	06/Dec/2017	Prof. Jill Clayton-Smith	Assessment	UK05 - Central Manchester University Hospit...	Syndromic intellectual disability
# 19	G87909	20/Nov/2017	Dr. Sofia Douzgo	Panel Selection	UK05 - Central Manchester University Hospit...	Syndromic intellectual disability
# 108	G88409	01/Mar/2018	Ms. Florence Riccardi	Panel Selection	FR17 - CHU Marseille - Hôpital de la Timone / ...	Craniofacial malformation syndromes
# 49	2900	22/Dec/2017	Prof. Alessandra Renieri	Closed	IT18 - AOU Siena	Syndromic intellectual disability
# 143	G88230	10/Apr/2018	Lianne Gompertz	Assessment	UK05 - Central Manchester University Hospit...	Syndromic intellectual disability
# 165	Choanal Atresia	03/May/2018	Dr. Melanie Fradin	Sign-off	FR30 - CHU Rennes	Other multiple anomaly syndromes
# 145	UBLG1 (A. D.)	13/Apr/2018	Dr. Marketa HAVLOVICOVA	Assessment	CZ09 - University Hospital Motol	Syndromic intellectual disability
# 159	OPBG_2018_02	02/May/2018	Dr. Francesca Clementina Radio	Panel Selection	IT58 - Pediatric hospital Bambino Gesù, Rome	Craniofacial malformation syndromes
# 35	DJN1027-07	11/Dec/2017	Prof. Laurence Faivre	Panel Selection	FR23 - CHU Dijon	Craniofacial malformation syndromes
# 131	OPBG_2018_01	21/Mar/2018	Dr. Francesca Clementina Radio	Panel Selection	IT58 - Pediatric hospital Bambino Gesù, Rome	Syndromic intellectual disability
# 114	15296	05/Mar/2018	Prof. Alessandra Renieri	Panel Selection	IT18 - AOU Siena	Syndromic intellectual disability
# 141	Rennes1	05/Apr/2018	Prof. Sylvie Odent	Open	FR30 - CHU Rennes	Syndromic intellectual disability
# 130	G87464	21/Mar/2018		Panel Selection	Guest Virtual Center	Syndromic intellectual disability

- 1st ERN to open a panel with participation from multiple countries
- 13 panels; 2 closed, 11 ongoing assessment
- Panels led by 5 different countries; 1 guest lead from a center that is not a member
- 3 panels led by a trainee; 1 panel led by a trainee who joined the HCP as an ERN bursary
- 4 months of activity: set targets exceeded

Increasing participation rate

	EUROPEAN REFERENCE NETWORK PROJECT STATUS REPORT	Reporting period : MARCH 2018
	CPMS STATUS REPORT	CPMS, version : insight_ern#rel11.01 System available since: 20/11/2017

CPMS ACTIVITY

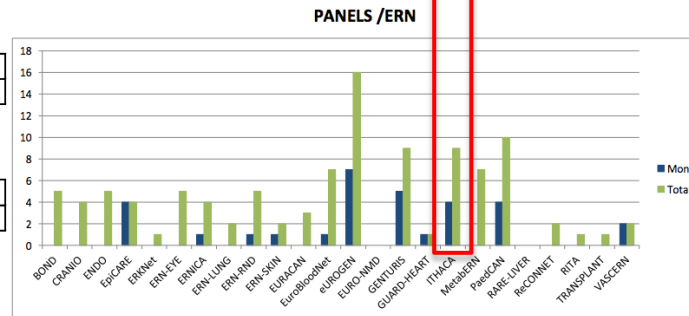
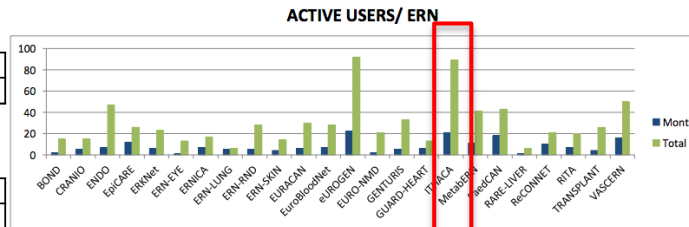
NUMBER OF USERS REGISTERED			
This month	63	Total	722

NUMBER OF ACTIVE USERS			
This month	190	Total	717

*Total Active users = Sum of active users/Month

NUMBER OF CREATED PANELS			
This month	31	Total	111

NUMBER OF PANELS CLOSED/ARCHIVED			
This month	6	Total	13



Service usage report for Quarter 1 2018 in relation to CPMS from ERN ITHACA

January 2018: Number of active users*: 16

February 2018: 19

March 2018: 21

*Active users is defined as a count of users that have logged on that month and effected any change to the database or written to the system.

Troubleshooting

- No panels submitted yet by 50% of countries involved in ITHACA (Belgium, Cyprus, Finland, Germany, The Netherlands, Portugal, Romania, Sweden)
- Clinical Lead from the Netherlands refuses to submit cases as they/their HCP do not think that CPMS respects new GDPR criteria
- Most clinical leads involved delegate the submission to trainees who, we have asked, should have their own login credentials
- The 2-factor authentication has been the most difficult aspect for clinical leads to engage with the system! They did not wish to use personal mobile numbers as part of the process.
- Most clinicians have NOT succeeded in completing a standard workflow: most stop/err at the choice of panel and/or request too frequent input from coordinator
- Not ALL activity counts, in fact, multiple forum comments by the same clinician do not count as separate activity.
- We are currently requesting a 'leaner' version of cases submission/discussion.

Handling variable queries

- What is the diagnosis?
- Is this the right diagnosis?
- The laboratory result does not confirm the clinical diagnosis: is the diagnosis correct?
- Should we use this type of medication in this patient?
- What is the recurrence risk of the patient's condition for family members?
- Have you seen other patients with this condition?
- The clinical diagnosis has been confirmed in the laboratory but the patient has a symptom that is not part of this condition: is this related?

7/13 active panels with a distinct clinical query: reflection of the diversity of the groups of conditions covered and the rarity of the single disorders

Looking towards the future

- Include training cases
- Filter cases that will benefit from existing research projects
- Choose cases for rare disease registries
- Live tele/e-consultations
- Document relevant usage aspects to pilot health economics

Contact us:

I·T·H·A·C·A

The screenshot shows the Twitter profile for ERN-ITHACA (@ERNithaca). The profile bio reads: "European Reference Network on congenital malformations and rare intellectual disability (ERN-ITHACA)." and includes the website ernithaca.org. The profile statistics are: 75 Tweets, 137 Following, 165 Followers, 84 Likes, and 1 List. The main content area shows two tweets. The top tweet is a retweet from @vascem about a webinar on hereditary haemorrhagic telangiectasia (#HHT) on May 22nd, 2018, presented by Jaime Jessen. The bottom tweet is from @ERNithaca on April 27, stating they are happy to help @SWAN_UK with their #undiagnosedchildrensday stand at Manchester Children's Hospital today. On the right side, there are sections for "New to Twitter?" with a "Sign up" button, and "Manchester trends" listing #StarWarsDay, #MayThe4thBeWithYou, Steven Gerrard, #Election2018, and #FridayFeeling.

www.ernithaca.org

@ernithaca

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