

Consumers, Health and Food Executive Agency





European Expert Paediatric Oncology Reference Network for Diagnostics and Treatment

Call: 4.2.2.7. Pilot networks of cooperation under Directive 2011/24/EU

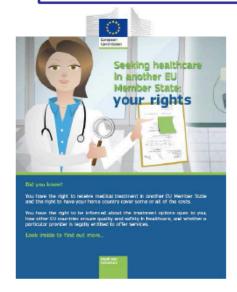








Directive 2011/24/EU of patients' rights in cross-border healthcare



focussing on patients' rights & healthcare across the Union:

- Right to choose and be reimbursed, under certain circumstances for, healthcare provided by public or private providers located in the EU.
- More transparency about their rights, treatment options or , the quality and safety levels of healthcare providers
- Strong focus on cooperation among Member States:

Entry into force at National level 25 October 2013



EUROPEAN REFERENCE NETWORKS





Background



□ Second Programme in the field of health (2008-2013)

- Adopted on 23 October 2007, by the European Parliament and the Council
- Intended to complement, support and add value to the policies of the Member
 States and to contribute to increased solidarity and prosperity in the EU.
- Objectives :
 - to improve citizens' health security;
 - to promote health, including the reduction of health inequalities and
 - -to generate and disseminate health information and knowledge.



Cancer in Children and Adolescents A Rare Disease



- > 60 different diseases from newborns to teenagers (even more if biomarkers are considered!)
- > 15 000 new cases each year in Europe!
- > 3000 will die each year
- > 1 out of 1000 adults aged 18 to 40 is a paediatric cancer survivor

... a significant Public Health Issue





What is special about Paediatric Oncology in Europe?



- EU public specialized centres
- Leukemia /Tumour specific Networking within clinical trial structures since late 60tes
 - 50% of patients treated within trials (phase I to III)
 - 30% of patients treated according to standard within prospective studies
 - Less than 5% of pharma-sponsored trials
- Many high-level research teams dedicated to paediatric tumour biology

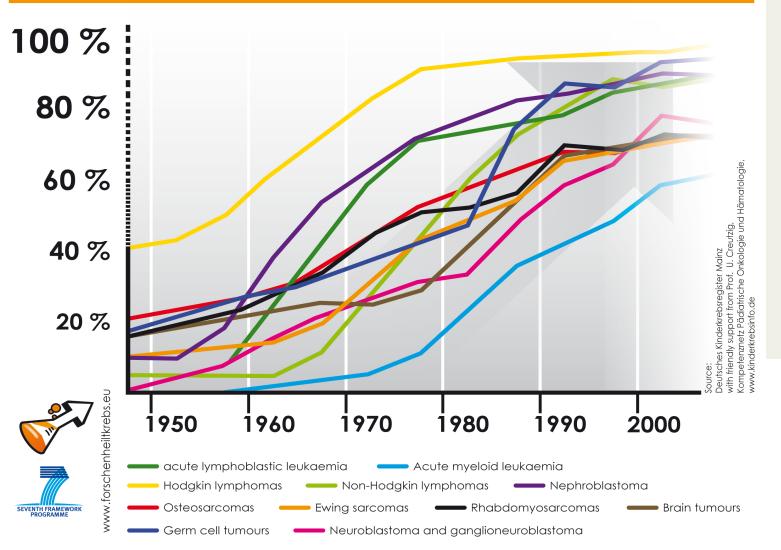
A unique situation for an orphan disease!





A Major Academic Effort!





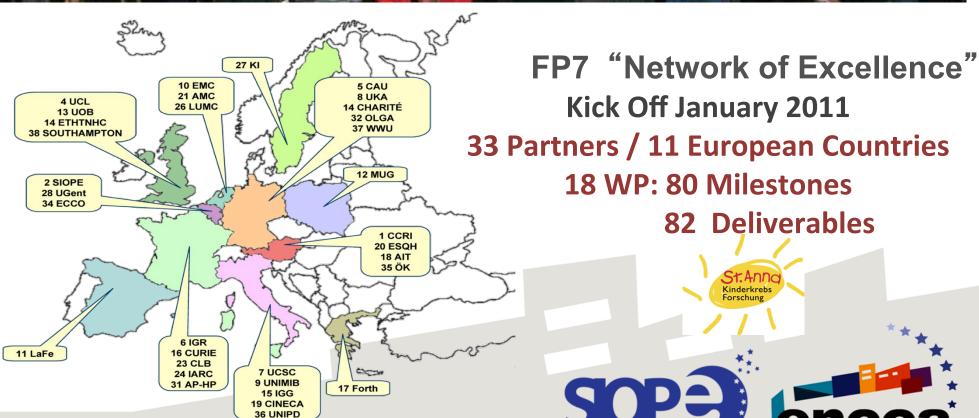
> 90% 2020

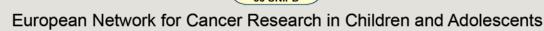
80% today

<10% < 1960



SIOP Europe





European Network for Cancer Research in Children and Adolescents

Objectives

- ☐ Improve both cure and quality of cure of children and adolescents suffering of cancer
- ☐ Facilitate access to:
 - Innovative therapies and tailored medicines
 - Standard care across Europe
- ☐ Develop biology-guided therapies
- ☐ Propose a European Virtual European Institute for Cancer Research in Children and Adolescents

WEBSITE: www.encca.eu



European Network for Cancer Research in Children and Adolescents

Home Project News & Events Team Community Education Dissemination and Deliverables Intranet

✓



Upcoming Events

JANUARY



Important Announcement!

ENCCA General Assembly Meeting and ECRC meeting on 15 - 17 January 2014 in Vienna.

REGISTER NOW

Latest News

The TRANSCAN Call has been published: 'Translational research on tertiary prevention in cancer patients'







The ERA-NET TRANSCAN Third Joint Transnational Call for Proposals (JTC 2013) has been officially launched on the topic "Translational research on tertiary prevention in cancer patients". ... (more)



Meeting and ECRC meeting
Location: Vienna
Time: 12:00 AM

ENCCA General Assembly

Joint 25th Annual Meeting of the I-BFM SG & 9th Biennial Childhood Leukemia Symposium

INTEGRATION: European Clinical Research Council Chairs of European Paediatric Oncology Research Groups

CWS (Cooperative Weichteilsarkom Studiengruppe or Cooperative Soft Tissue Sarcoma Study Group) **I-BFM** (The International BFM Study Group)

SIOPEL (SIOPE-Epithelial Liver Tumour Study Group)

EBMT (European Group for bone marrow and stem cell transplantation - Paediatric Working Party)

EHL (European Hodgkins Consortium)

SIOPEN (SIOP Europe Neuroblastoma Group)

EICNHL (European Inter-group cooperation on childhood and adolescent Non Hodgkin Lymphoma)

EpSSG (European Paediatric Soft Tissue Sarcoma Study Group)

ITCC (Innovative Therapies for Children with Cancer)

SIOP-RTSG (SIOP Wilms Tumour)

EURAMOS (osteosarcoma)

EURO-E.W.I.N.G.

Germ Cell Tumours

UK Novel Agents Subgroup

Histiocyte Society

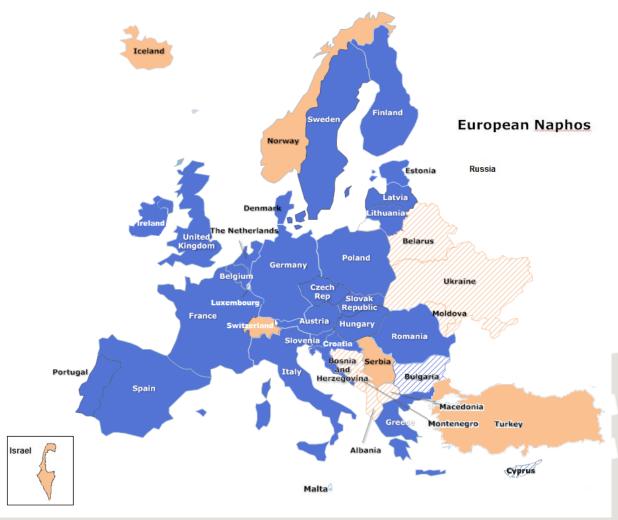
SIOP Brain tumour group





EWOG-MDS (myelodysplasia)

INTEGRATION: European Clinical Research Council <u>Chairs</u> of the National Societies of Paediatric Haemato-Oncology in Europe



- Blue or pink: European countries with NaPHOS (blue: in EU / pink: non-EU)
- Dashed countries:
 European countries without
 a NaPHOS





European Network for Cancer Research in Children and Adolescents



- ✓ Support the development of European Reference Networks
- ✓ Improving access to highly specialised healthcare for patients suffering of diseases and conditions:
 - -low prevalence/rare
 - -complex and cost-intensive
 - -requiring a particular concentration of expertise



The Call



C 378/18 Official

ΕN

Journal of the European Union

8.12.2012

4.2.2.7. Pilot networks of cooperation under Directive 2011/24/EU

- European reference networks will link health care providers and centres of expertise in the Member States.
 - to improve access to diagnosis and provide high-quality health care to patients
 who have conditions that require a particular concentration of resources or
 expertise, especially where the expertise is rare and case volume low.
 - concentration of low-frequency or high complexity diagnostic and therapeutic procedures in services that have an adequate caseload and audited results.
 - It also covers an evaluation of outcomes.



ExPO-r-Net Consortium



18 Associated Partners	Name	Name				
CCRI (<i>Coordinator</i>)	St. Anna Kinderkr	Anna Kinderkrebsforschung e.V.				
SIOPE	European Society	European Society of Paediatric Oncology				
IGR	Institut Gustave-F	Institut Gustave-Roussy				
MUL	Medical Universit	Medical University of Lublin				
HULAFE	Fundación para la	Fundación para la Investigación Hospital Universitario La Fe				
ULUND	Lund University	Lund University				
AOPD	Azienda Ospedali	Azienda Ospedaliera di Padova				
IGG	Istituto Giannina	Istituto Giannina Gaslini				
CAU	Christian-Albrech	Christian-Albrechts-Universitaet zu Kiel				
AIT	Austrian Institute	Austrian Institute of Technology				
CINECA	Consorzio Interun	Consorzio Interuniversitario				
INT	Istituto Nazionale	Istituto Nazionale dei Tumori				
KlinikumDo	Klinikum Dortmur	Klinikum Dortmund GmbH				
UCL	University College	e London	United Kingdom			
UOB	Lund University	Lund University				
ECRMF	European Cancer	European Cancer Research Managers Foundation				
Charité	Universitätsmediz	Universitätsmedizin Berlin: Charité				
ÖKKH	Österreichische K	Österreichische Kinder-Krebs-Hilfe				
Collaborating partners						
Number	42	includes PARENTS& PATIENTS ADVISORY COMMITTEE (SIOPE/encca – PAC)				
Eastern European	17%					
Western European	83%					



Parent Patient Advocacy Committee (PPAC)

Created at the 3rd European Member Meeting of ICCCPO in April 2012 in Schengen.



List of members (ICCCPO- Eurpean branch)

- •France: ARNOLD Frederic, UNAPECLE,
- •Spain: BASSET Luisa, Federacion Española de padres de Niños con Cáncer
- •Luxembourg,: COSTELLOE Jacqueline, Een Häerz fir kriibskrank Kanner,
- Bosnia and Hercegovina, KAMERIĆ Lejla, The heart for the kids with cancer in FBiH, KAMERIĆ Neira, Cancer Survivor Network,
- •Greece: TSIROU Aimilia, Kyttaro/Greek Survivors Association,

Expert advisors

- •Germany, BODE Gerlind,
- The NetherlandsNAAFS-WILSTRA Marianne



OVERALL AIM:



To reduce the current inequalities in survival by improving the quality of the current healthcare provided accross Europe, in particular European countries with lower healthcare.

Link pre-existing reference centres of excellence, seeking mechanism to facilitate provision of information and knowledge (ICT tools, e-Health) and offer patients cross-border best practice health interventions to patients and families when really indicated



Project goals

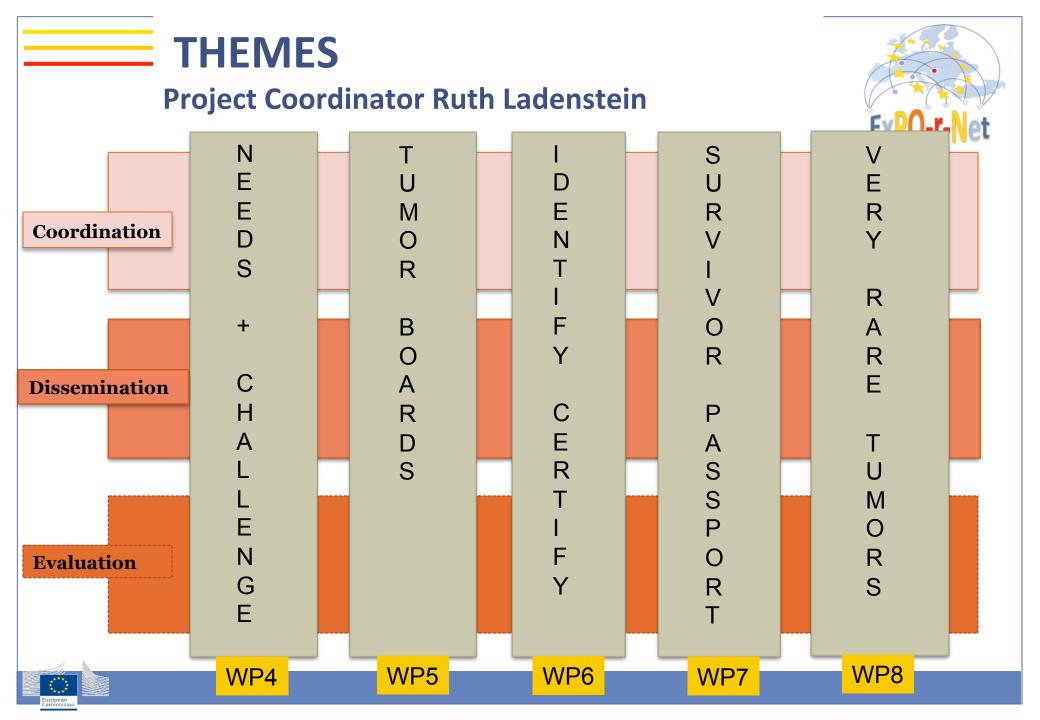
- □ The ExPO-r-NeT project will build a Paediatric Oncology (PO) European Reference Network (ERN) providing paramount requirements for 'Cross-border healthcare'
 - **Provision of healthcare** to children and young people with cancer in a Member State other than the Member State of affiliation.
 - Identification of the target groups, i.e. children with special diagnostic and therapeutic needs with conditions requiring a particular concentration of resources or expertise, especially when the expertise with certain cancer conditions is rare and case volume low.
 - **Reduction of current inequalities** in childhood cancer survival and healthcare capabilities in different member states.
 - Establish a PO-ERN linking pre-existing leukaemia & tumour reference centres with tumour boards to provide cross border expertise. The latter is inherent to the Cooperative PO-Clinical Trial tumour and Leukaemia Groups which may contribute high-level diagnostic and medical expertise to rare childhood cancer populations.
 - Improving access to high-quality health care for children with cancer whose conditions require specialised resources or expertise not widely available due to low case volumes and lack of local resource.



Objectives



	Nb	Title
	1	Identifying the needs of rare childhood and young people cancer types and entity subgroups with experts of the ECTG (ECRC) by addressing also the challenges (costs, resources, psychological burden and ethical aspects.
	2	Build a Paediatric Oncology ERN–roadmap to identified and certified reference sites and tumour boards.
	3	Establishment of a Paediatric Oncology tumour board ERN working to common standards and using IT tools based on E-Hhealth concepts for sharing and providing expertise and advise.
	4	Defining the criteria for a common process for identification and certification of paediatric oncology expert centres in Europe.
	5	The cross-border dimension of long-term follow-up of childhood cancer survivors in Europe: the survivorship passport as an instrument for crucial treatment and follow-up data.
	6	Integrating very rare tumors and soft tissue sarcomas into an European reference network.



Structure



	Leader	
1	Coordination of the project	CCRI
2	Dissemination of the project	SIOPE
3	Evaluation of the project	UOB
	Leader	
4	Addressing needs and challenges of cross-border healthcare co- operations and current expert fragmentation.	CCRI
5	Paediatric Oncology tumour board ERN based on E -Health and ICT concepts for sharing and providing expert advice.	HULAFE
6	Defining criteria for a common process for identification and certification of PO expert centres in Europe.	MUL
7	Cross-border dimension of long-term follow-up: survivorship passport with crucial treatment & follow up data.	ULUND
8	Integrating children with very rare tumours in a European Reference Network.	AOPD





WP 4: CCRI





Addressing needs and challenges of cross-border healthcare cooperations and current expert fragmentation.

- ✓ Identifying special therapeutic needs of young people with cancer with experts of the ECTG (ECRC) requiring high expertise interventions (i.e. special surgery, radiotherapy (proton therapy), stem cell transplants).
- ✓ Addressing also the challenges (costs, resources, psychological burden and ethical aspects).
- ✓ Identify European institution ready to engage as reference centers by establishing a/o rolling out tumor boards .
- ✓ Identify European Institutions /hospitals offering top level expertise for special therapeutic interventions

Roadmap for public health care providers and patients





WP 5: La Fe





Paediatric Oncology tumour board ERN based on eHealth/ICT concepts for sharing and providing expert advice.

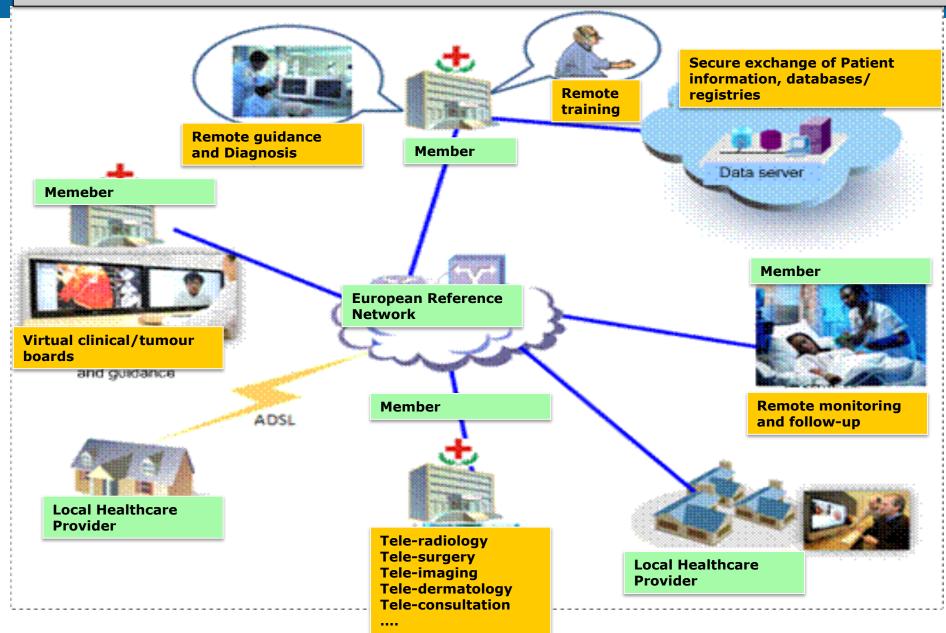
- To develop a strategy to build Expo-r-net TB as tools for providing access to expert care to all European children with cancer in a cross-border setting.
- ✓ Implementation of modern IT tool across borders will allow TB to share expert opinions for European children with cancer in need ofspecial crossborder settings..



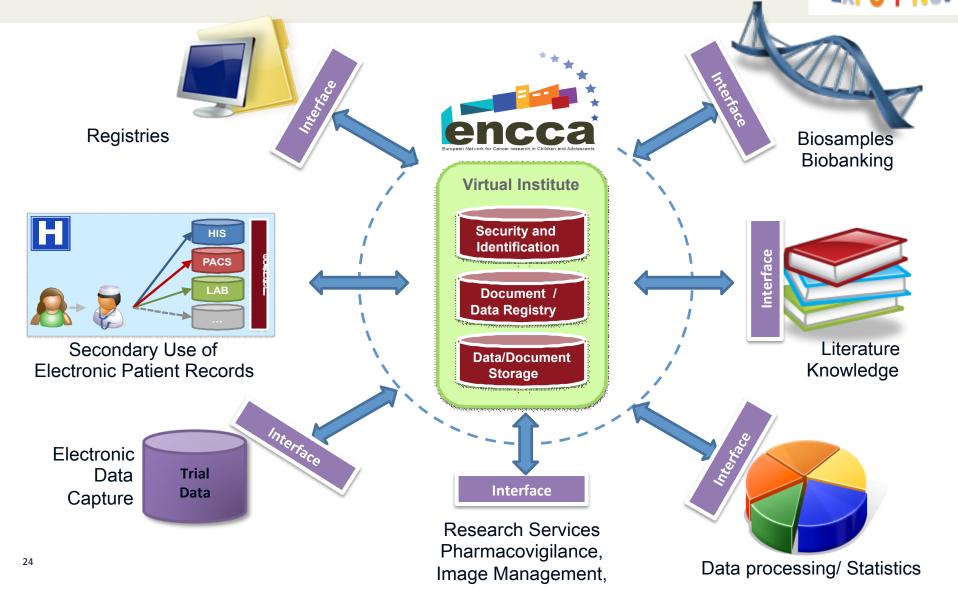
Expo-r-net Tumor Boards= Hubs of expertise



Telemedicine and other IT solutions and tools are the basis for this project



Elements of a Biomedical Research Infrastructure



What could be a solution for ERN requirements?



This situation is similar to healthcare ...

→ Adoption of a solution based on the

Integrating the Healthcare Enterprise (IHE)





Integrating the Healthcare Enterprise

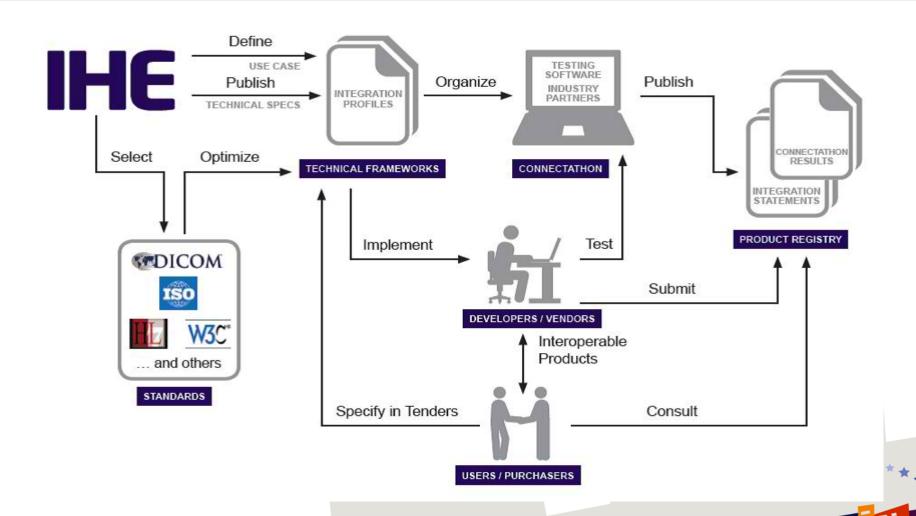
- IHE is designed for interoperability
- IHE is already established and approved in healthcare
- IHE is based on standards commonly used in healthcare and biomedical research
- IHE represents a fully open approach
- Integration of data
 - document based repository
 - no complete database model needed upfront
 - Takes care of the diversity of data, processes and research questions
 - Well poised for secondary use of data



ICT Landscape



IHE - Integrating the Healthcare Enterprise



WP 6: Lublin





To promote high quality patient care in paediatric oncology centres through a recognised system of assessemnt and to reduce inequalities in care among centres and countries

- ✓ Build a Ped O ERN-roadmap to identify reference centers and tumor boards.
- ✓ Define relevant PO eligibility criteria and conditions for assessment

✓

Outcome: A European PO ERN expert reference manual.



WP 7: ULund



Cross-border dimension of long-term follow-up: survivorship passport with crucial treatment & follow-up data.

- ✓ To build a virtual paediatric oncology expert reference network for late effects after treatment for cancer in childhood and adolescence
- ✓ To translate the Survivorship passport and relevant Guidelines into multiple European languages



The Survivorship Passport







- Riccardo Haupt
- Silvia Caruso
- Francesca Bagnasco

IGG

- Giulia Stabile
- Maurizio Ortali
- Davide Saraceno
- Roberta Amato

CINECA

- Sabine Karner
- Anita Kienesberger

ICCCPO

All partners of: **ENCCA**: WP 13

PanCareSurFup: WP6



Diagnosis





The survivorship passport



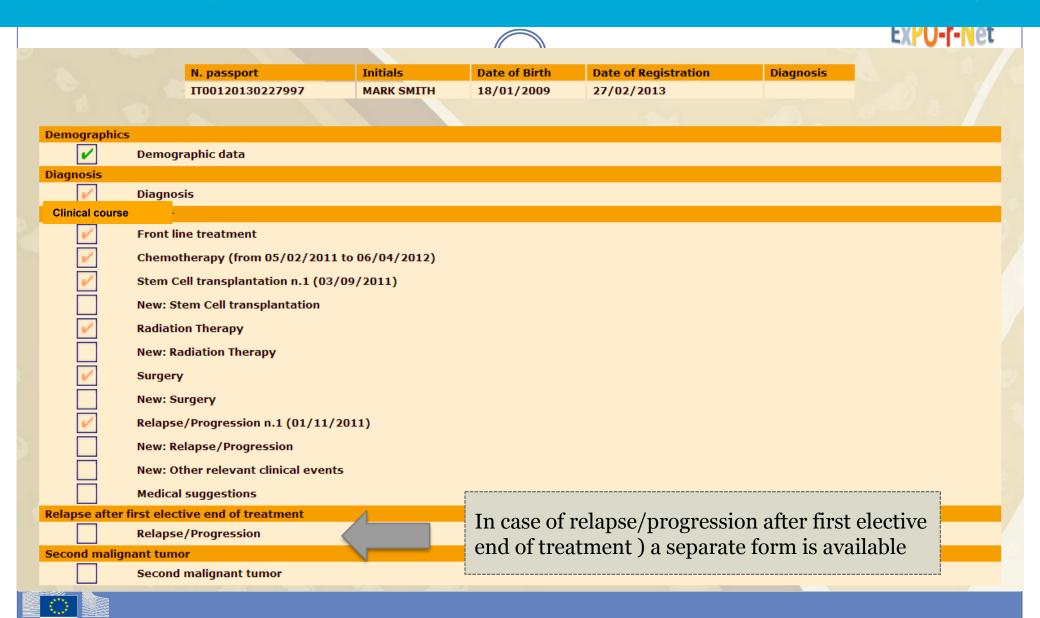
Log out

Home >> Passports list >> Passport's View >> Diagnosis

N. passport	Initials	Date of Birth	Date of Registration	Diagnosis
IT001201304121011	DOE JHON	21/03/1999	12/04/2013	-

DIAGNOSIS FORM Fields containing * are mandatory. Date of diagnosis* 08 dd/mm/yyyy Cancer category according to ICCC-3 Primary treatment Center* This Institution DIAGNOSIS diagnostic group/division Ewing tumor and Askin tumor of bone Cancer category* Diagnosis* Diagnosis description Askin tumor Ewing sarcoma Ewing tumor SITE Site description Laterality DETAILS

Summary and Events after elective end of therapy





The survivorship passport Data integration options

- Integration with existing data flows through standard format files
- Automatic or on-demand data import from local databases to Passport central database
- Integration with Clinical Trials databases
- DB download for hospitals according to data access rules
- Possibility to develop specific web services for seamless data integration



Clinical Recommendations for Follow- Up



STRONG recommendation "is recommended"

MODERATE recommendation "is reasonable"

WEAK recommendation "may be reasonable"

NOT TO DO recommendation "is not recommended"



The Survivorship Passport Present status and future vision?



- A template for the individual patient at the moment of the elective end of therapies containing standardized and condensed cancer history and relevant therapy information
- Paper and electronic based, potentially including images and other relevant medical source documents.
- To provide advice and guidance on patient-specific long-term follow-up of possible late effects
- All languages of the EU ⇒ ExPO-r-Net
- Integration into future eHealth based platforms & tools for the survivor population allowing life long best possible care based on accurate information and paying tribute to Europe mobility





WP 8: Padova





Integrating children with very rare tumours in a European Reference Network

through the identification and connection of Pediatric Oncology Centres and Cooperative Groups with the necessary expertise

with the aim

to the provide accurate diagnosis and evidence-based treatment to children with VRT in Europe (and worldwide)

Creation of a European Cooperative Group devoted to VRT



VISION: OVERCOME INEQUALITIES IN EUROPE





A huge task and role for Information Technologies to treat Childhood Cancer and to improve outcomes!

Special thanks to IT partner in Clinical Trial Management and European Framework Projects for more than a decade





Summary Project expected impact



□The strategic relevance

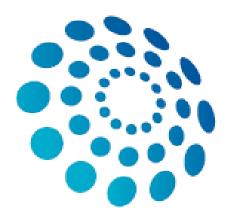
- Generation of information and provision of a framework for the PO-ERN to improve standards of care for children and young people with cancer.
- Next level of integration within Pediatric Oncology
- Follow up and advise for childhood cancer survivors allowing integration of outcomes research

□The innovative contribution

- A clear roadmap to approved expert referral sites and tumour advisory boards for healthcare providers = Pediatric Oncology ERN Network
- Fostering eHealth solutions based on interoperability and standardisation to allow well functioning tumour boards







European Reference Networks

