





RCE-ESMO-ESO Training Course for Rare Cancer Patient Advocates January 2021 On-line training programme

The new EU Agenda on Cancer and the role of the European Reference Network EURACAN

J-Y Blay







EUROPEAN REFERENCE NETWORKS

European Reference Networks

European Reference Network for rare or low prevalence complex diseases

> Network Adult Cancers (ERN EURACAN)



Share. Care. Cure.



EURACAN Rare Adult Solid Cancers

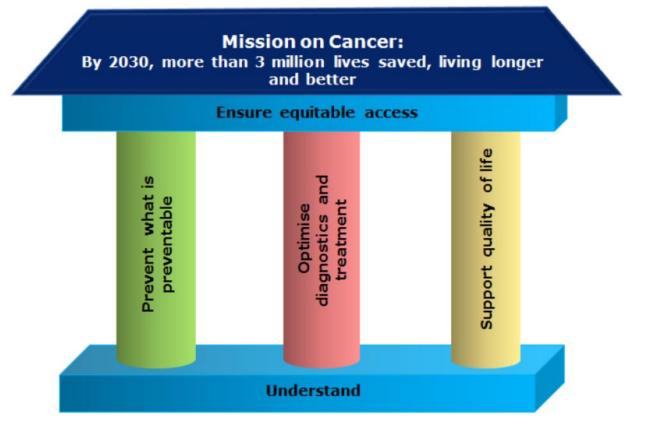




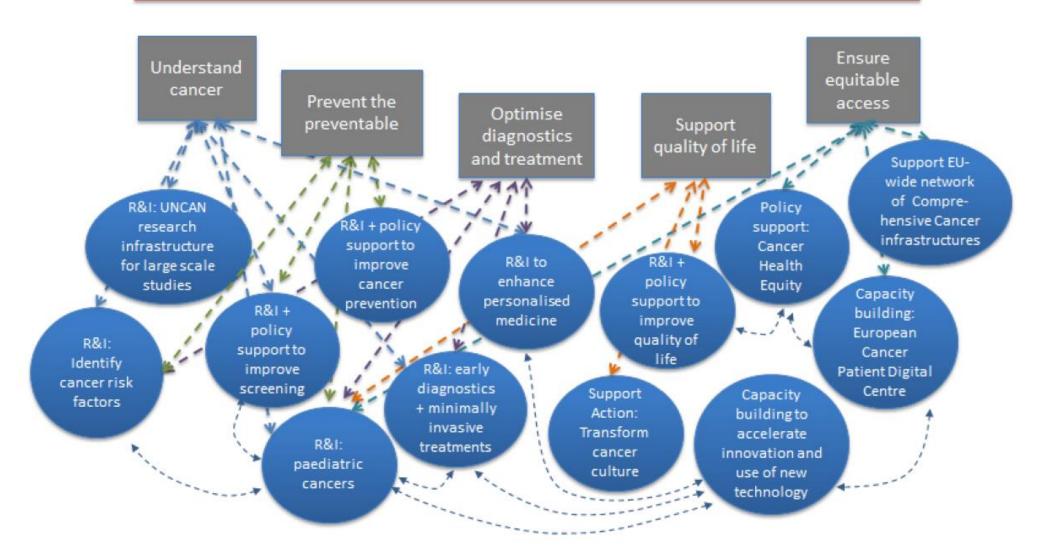


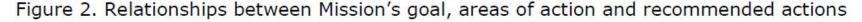


CONQUERING CANCER: MISSION POSSIBLE Interim report of the Mission Board for Cancer Independent Expert Report



By 2030, more than 3 million lives saved, living longer and better





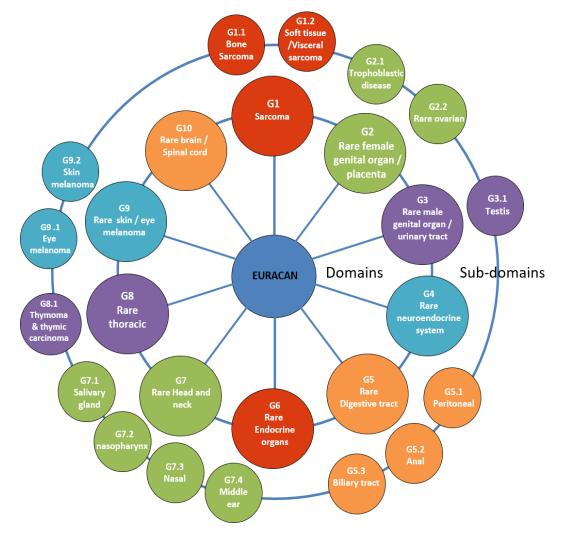
Recommendation 10: Set up a network of Comprehensive Cancer Infrastructures within and across all EU Member States to increase quality of research and care **EURACAN**

TARGERTED RACs

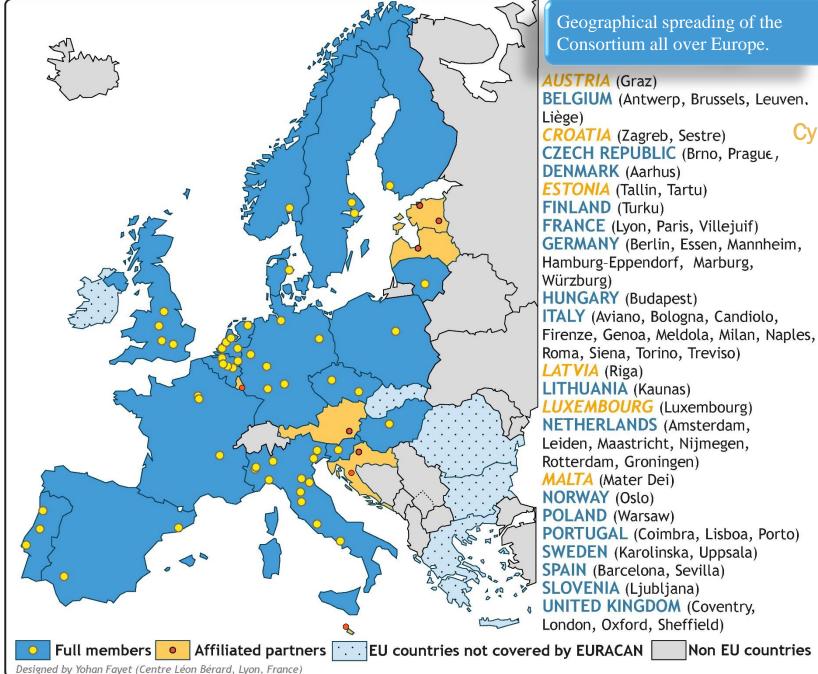


- Connective tissue
- Female genital organs and placenta
- Male genital organs, and of the urinary tract
- Neuroendocrine system
- Digestive tract
- Endocrine organs
- Head and neck
- Thorax
- Skin and eye melanoma
- Brain, spinal cords

SUB-THEMATIC AREAS







Cyprus

ASSOCIATE PARTNERS





AFFILIATED PARTNERS

Associated National Centres approved

Austria

Centre for bone and soft tissue tumors – Graz

Croatia

- University Hospital centre Zagreb
- Sestre University Hospital centre Zagreb •



Bank of Cyprus oncology centre in collaboration with the ٠ Karaiskakio Foundation

Estonia

- North Estonia Medical Centre •
- University Hospital Taru ٠



East clinical University Hospital - Riga •

National Coordination hub approved

Luxembourg -Hospital Centre



Malta - Mater dei Hospital -

Member state code	Town	Candidate Name	DOMAIN(S) APPROVED BY THE BoN
	Brussels	Cliniques universitaires Saint-Luc ASBL	G1.1 G2.2 G5.2 G9.1 G10
BE	Ghent	Ghent University Hospital	G1 G2.2 G3.1 G6.1 G9.2
07	Prague	Thomayer Hospital	G3.1
CZ	Prague	The institute for the Care of Mother and Child	G2.1
25	Berlin	Helios Klinikum Berlin-Buch	G1.1 G1.2
DE	Munich	Comprehensive Cancer Center München	G1.1 G1.2 G2.1 G2.2 G3.1 G4 G5.1 G5.2 G5.3 G6.1 G6.2 G7 G8.1 G8.2 G9.1 G9.2
	Barcelone	Hospital Universitari Vall d'Hebron	G1.1 G1.2
ES	Madrid	General University Hospital Gregorio Marañon	G1.1 G1.2
	Madrid	Hospital Universitario Clínico san Carlos	G1.1 G2
FI	Helsinki	HUS University Hospital, Hospital District of Helsinki and Uusimaa	G1.1 G1.2 G2.2 G3.1 G6.1 G6.2 G7 G8.1 G8.2 G9.1 G9.2
	Pessac	CHU HAUT LEVEQUE _PESSAC	G4
	Bordeaux	CHU HOPITAL SAINT ANDRE _BORDEAUX	G10
	Bordeaux	Institut Bergonié	G1.1 G1.2 G2.1 G2.2
FR	Lille	Centre Oscar Lambret	G1.1 G1.2 G2.1
	Lille	CHU de Lille	G8.2 G9.2
	Marseille	Institut Paoli Calmettes	G4
	Marseille	Assistance Publique-Hôpitaux de Marseille	G7 G10

9 February, 2021**¹⁰**

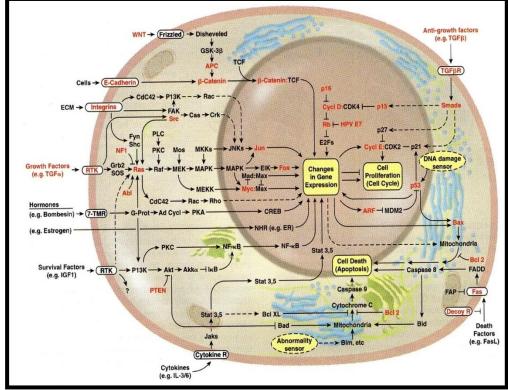
Member state code	Town	Candidate Name	DOMAIN(S) APPROVED BY THE BoN	
GE	Athens	General hospital og Athens Laiko	G4	
IE	Dublin	National Neuroendocrine Tumour Service, St. Vincent's University Hospital,	G4	
	Alessandria	Azienda Ospedaliera SS Antonio e Biagio e Cesare Arrigo	G8.2	
	Bari	IRCCS Istituto Tumori Giovanni Paolo II, Bar	G1.2	
	Brescia	Spedali Civili di Brescia	OK G6.2 G7 G10	
	Milan	Istituto Europeo di Oncologia	G1.2 G2.2 G3.1 G4 G6.1 G8.1 G8.2	
	Milan	Istituto Auxologico Italiano - Istituto di Ricovero e Cura a Carattere Scientifico	G6.1	
п	Padova VIO	Veneto Institute of Oncology- IRCCS	G1.2 G3.1 G10	
	Padova AOP	Azienda Ospedaliera di Padova	G1.1 G4 G5.3 G7 G8	
	Palerme	AOUP "Paolo Giaccone"	G1.2	
	Pavia	CNAO Centro Nazionale di Adroterapia Oncologica, National Center for Oncological Hadrontherapy	Ok G1.1 G1.2 G7	
	Pise	Azienda Ospedaliera Universitaria Pisana	G1.1 G1.2 G6.1	
	Rome Unicamp	Policlinico Universitario Campus Bio-Medico di Roma	G1.1 G1.2	
	Verone	AOUI di Verona	G4	

Member state code	Town	Candidate Name	DOMAIN(S) APPROVED BY THE BoN
LT	Vilnius	Vilniaus universiteto ligoninės Santariškių klinikos	G5
NL	Utrecht	University Medical Center Utrecht	G7
PL	Gliwice	Sklodowska-Curie National Research Institute of Oncology Gliwice Branch	G6.1
PL	Katowice	Uniwersyteckie Centrum Kliniczne im. prof. K. Gibińskiego Śląskiego	G4
PT	Porto	Instituto Português de Oncologia do Porto Francisco Gentil, EPE	G1.2 STS
RO	Cluj-Napoca	Institutul Oncologic "Prof. dr. Ion Chiricuță" Cluj-Napoca	G2.2
SE	Gothenberg	Sahlgrenska Universitetssjukhuset	G1.1 G1.2 G6.2

Recommendation 1: Launch UNCAN.eu – a European Initiative to Understand Cancer

Despite tremendous progress in deciphering the genetic and biological basis of cancer, our understanding of the molecular processes at the cancer cell level and the interactions of the tumour and its host is still very limited. This holds in particular for cancers for which understanding is lacking and rare cancers. The potential for increasing our understanding in this area is demonstrated by the significant benefit obtained through targeted therapies and host immune activation against some tumours. Recent technological developments and European collaborations provide an excellent opportunity for realising this potential through obtaining a comprehensive and dynamic view of how certain cancers initiate, develop and spread in the context of the host.

This requires a new level of investment in innovative research, including high-potential/high-risk projects. Therefore, the Mission Board proposes a Europe-wide platform, UNCAN.eu, utilising relevant research infrastructure and investing in the development of new models and technologies interrogating the interactions of cancers and their host. UNCAN.eu would encompass relevant stakeholders and enable integration of innovative models and technologies with longitudinal patient data, samples and biomarkers for identification and translation to patients. UNCAN.eu would provide breakthroughs in understanding how cancers initiate, develop and spread in the context of the host and thereby provide a basis for saving millions of European citizens' lives in synergy with actions related to recommendations 2-6 and 11-12 of this Draft Mission outline as well as actions related to the Europe's Beating Cancer Plan and other EU Research and Innovation Missions (see Annex I).



Sciencexpress

Mutational landscape and significance **Research** Ar across 12 major cancer types

The Consensus Coding Sequences of Human Breast and Colorectal Cancers

Tobias Sjöblom,¹* Siân Jones,¹* Laura D. Wood,¹* D. Williams Parsons,¹* Jimmy Lin,¹ Thomas Barber,¹ Diana Ma^{1,3}</sup> Joshua F. McMichael D. McLellan¹*, Fabio Vandin², Kai Ye^{1,3}, Beifang Niu¹, Charles Lu¹, Mingchao Xie¹, Qunyuan Zhang^{1,3}, Joshua F. McMichael¹, Matthew A. Wyczalkowski¹, Mark D. M. Leiserson², Christopher A. Miller¹, John S. Welch^{4,5}, Rebecca J. Leary,¹ Janine Ptak,¹ Natalie Silliman,¹ Steve Szabo,¹ Phillip Buckhaults,² Christopher Farrell,² Paul Met Matthew J. Walter^{4,5}, Michael C. Wendl^{1,3,6}, Timothy J. Ley^{1,3,4,5}, Richard K. Wilson^{1,3,5}, Benjamin J. Raphael² & Li Ding^{1,3,4,5} D. Markowitz, ³ Joseph Willis, ⁴ Dawn Dawson, ⁴ James K. V. Willson, ⁵ Adi F. Gazdar, ⁶ James Hartigan, ⁷ Lec ^{117, 8}

Liu,⁸ Giovanni Parmigiani,⁹ Ben Ho Park,¹⁰ Kurtis E. Bachman,¹¹ Nickolas Papadopoulos,¹ Bert Vogelstein,¹ Kinzler,1[†] Victor E. Velculescu¹

TP53 loss creates therapeutic vulnerability in colorectal cancer

Comprehensive genomic characte Yunhua Liu¹, Xinna Zhang^{2,3}, Cecil Han¹, Guohui Wan¹, Xingxu Huang⁴, Cristina Ivan^{2,3}, Dahai Jiang^{2,3}, Cristian Rodriguez-Aguayo^{3,5}, Gabriel Lopez-Berestein^{3,5}, Pulivarthi H. Rao⁶, Dipen M. Maru⁷, Andreas Pahl⁸, Xiaoming He⁹, Anil K. Sood^{1,2,3}, Lee M. Ellis¹⁰, Jan Anderl⁸ & Xiongbin Lu^{1,3} core pathways

Comprehensive molecular characterization of gastric adenocarcinoma

The Cancer Genome Atlas Research Network*

Vol 455 23 October 2008 doi:10.1038/nature07385

The Cancer Genome Atlas Research Network*

Ordered incidences of sarcomas and connective tissue tumors in NETSARC & published clinical trials

Histotypes					
	Total	Incidence	Ph III	RPh II	Ph II
	(2013-2016)	/10e6/year			
	25172	95,104			
Incidence >10/10e6/year					
Fibroblastic and myofibroblastic tumours	5274	19.977			
Gastrointestinal stromal tumors (GIST).	3272	12,394			
Adipocytic tumours	3247	12,299			
ALL Undifferentiated sarcoma	2717	10,292			
ALL smooth muscle tumours	2679	10,148			
Incidence <10/10e6/year					
Undifferentiated pleomorphic sarcoma	1556	5,894			
All vascular tumor	1520	5,758			
Liposarcoma – dedifferentiated	1345	5,095			
Desmoid fibromatosis	1339	5,072			
Atypical lipomatous tumour/WDLPS	1266	4,795			
Uterine sarcoma	1138	4,311			
Leiomyosarcoma	1094	4,144			
Dermatofibrosarcoma Protuberans	1040	3,939			
Leiomyosarcoma - differentiated	945	3,580			
Solitary fibrous tumour (all)	925	3,504			
Undifferentiated sarcoma NOS	853	3,231			
Sarcoma NOS	844	3,197			
Solitary fibrous tumor	751	2,845			
Angiosarcoma	728	2,758			
Kaposi sarcoma	663	2,511			
Conventional osteosarcoma	661	2,504			
Myxofibrosarcoma	630	2,386			
Ewing sarcoma	614	2,326			
ALL Rhabdomyosarcoma	608	2,303			
Chondrosarcoma NOS	572	2,167			
Uterine leiomyosarcoma	545	2,064			
Leiomyosarcoma – poorly differentiated	516	1,955			
ALL Synovial sarcoma	442	1,674			
Atypical fibroxanthoma	429	1,625			
Myxoid or round cell liposarcoma	409	1,549			
Liposarcoma - myxoid	355	1,345			
All GCTB	330	1,250			
Giant cell tumour of bone	324	1,227			
Undifferentiated spindle cell sarcoma	308	1,167			
ALL Peripheral nerve sheath tumours	286	1,083			

Histotypes					
	Total	Incidence	Ph III	RPh II	Ph II
	(2013-2016)	/10e6/year			
		95,104			
Incidence <1/10e6/year					
Synovial sarcoma - monophasic	244	0.924			
Endometrial stromal sarcoma, low grade	238	0,902			
Embryonal RMS	179	0,678			
High risk SFT	174	0,659			
Malignant peripheral nerve sheath tumour	173	0,655			
Other histological subtypes of bone sarcoma Osteosarcoma NOS	171	0,648			
Conventional chordoma	100	0,638			
Adenosarcoma	156	0,591			
All undifferentiated sarcoma of bone	152	0,576			
Inflammatory myofibroblastic Tumour	145	0,549			
Pleomorphic RMS	144	0,545			
Undifferentiated uterine sarcoma	141	0,534			
Liposarcoma - pleomorphic	139 138	0,527			
Phyllode sarcoma Embryonal rhabdomyosarcoma usual type	138	0,523			
Low grade fibromyxoid sarcoma	136	0,519		1	
Alveolar RMS	123	0,466		1	
Smooth muscle tumour of undetermined ma	122	0,462			
Epithelioid sarcoma	120	0,455			
Central chondrosarcoma, grades 2 and 3	117	0,443			
So-called fibrohistiocytic tumours	106	0,402			
Epithelioid hemangioEndothelioma	100	0,379			
Epithelioid sarcoma Extraskeletal osteosarcoma	98 96	0,371			
Extraskeletal osteosarcoma Myoepithelioma, myoepithelial carcinoma, a	96	0,364			
Dedifferentiated chondrosarcoma	93	0,352			
RMS NOS	88	0,333			
Myoepithelioma	85	0,322			
Central atypical cartilaginous tumour / chone	76	0,288			
Clear cell sarcoma of soft tissue	71	0,269			
Giant cell tumour of soft tissue	70	0,265			
Synovial sarcoma - biphasic	70	0,265			
Undifferentiated pleomorphic sarcoma of bo PECOMA - NOS	67	0,261			
Extraskeletal myxoid chondrosarcoma	58	0,234			
Round cell sarcoma with EWSR1-non-ETS fus	56	0,212			
Liposarcoma - round cell	54	0,205			
Aneurysmal bone cyst	53	0,201			
Desmoplastic small round cell tumour	52	0,197			
Tumors of intermediate malignancy NOS ALL	52	0,197			
Chondroblastoma	52	0,197			
Extrarenal rhabdoid tumour	51	0,193			
Intimal sarcoma Angiomatoid fibrous histiocytoma	46	0,174			
Sclerosing epithelioid fibrosarcoma	45	0,155			
Endometrial stromal sarcoma - high-grade	41	0.155			
All parosteal osteosarcoma	40	0,152			
Leiomyosarcoma of bone	40	0,152			
Spindle cell RMS	39	0,148			
Peripheral chondrosarcoma	39	0,148			
Synovial sarcoma - poorly Differentiated	37	0,140			
Malignant rhabdoid tumor	36	0,136			
Ossifying fibromyxoid Tumour Alveolar soft part sarcoma	32	0,121			
Mesenchymal chondrosarcoma	31	0,117			
Osteoblastoma	31	0,117			
Plexiform fibrohistiocytic tumors	29	0,110			
	29	0,110			
Embryonal rhabdomyosarcoma spindle cell					
Angiosarcoma of bone	29	0,110			
		0,110 0,106 0,102			

Histotypes					<u> </u>
	Total	Incidence	Ph III	RPh II	Ph II
	(2013-2016)	/10e6/year			
Incidence <0.1/10e6/year	(2010 2010)	, 1000, jeu			
Osteoblastoma-like osteosarcoma					
Chondromyxoid fibroma	26	0,098			
Undifferentiated spindle cell sarcoma	26	0,098			
Periosteal chondrosarcoma High-grade surface osteosarcoma	25	0,095			
Myxoinflammatory Fibroblastic Sarcoma	23	0,093			
Embryonal RMS sarcoma - botryoid type	23	0,087			
Undifferentiated epithelioid sarcoma	22	0,083			
Langerhans cell histiocytosis	20	0,076			
Malignant PECOMA	19	0,072			
Low grade central osteosarcoma (ALL)	19	0,072			
Adamantinoma UTROSC	19	0,072			
Endometrial stromal nodule	16	0,064			
Telangiectasic osteosarcoma	16	0,061			
SMARCA4-deficient thoracic sarcoma	15	0,057			
Clear cell chondrosarcoma	14	0,053			
Low grade Myofibroblastic Sarcoma	13	0,049			
Dedifferentiated parosteal osteosarcoma	13	0,049			
Dedifferentiated low grade central osteosa	n 12 11	0,045			
Giant cell Fibroblastoma Sclerosing RMS	11	0,042			
CIC-rearranged sarcoma	11	0,042			
Infantile fibrosarcoma	10	0,038			
Pericytic (perivascular) tumours	10	0,038			
Malignant Triton tumour	10	0,038			
Retiform hemangio-endothelioma	9	0,034			
Ectomesenchymoma : Malignant mesenchy		0,034			
Malignant granular cell Tumour Haemosiderotic fibrolipomatous tumour	9	0,034			
Synovial sarcoma of bone	9	0,034			
RMS of bone	9	0.034			
Lipofibromatosis	8	0,030			
Sarcoma with BCOR genetic alterations	7	0,027			
Low-grade central osteosarcoma	7	0,027			
Pseudomyogenic hemangioendothelioma	6	0,023			
Intermediate vascular tumours	6	0,023			
MPNST - epithelioid type Mixed tumour	6	0,023			
Desmoplastic fibroma of bone	6	0,023			
Malignant/dedifferentiated GCTB	6	0,023			
BCOR Sarcoma of bone	6	0,023			
Intermediate fibrohistiocytic tumors	5	0,019			
Adult spindle cell RMS	5	0,019			
Phosphaturic mesenchymal tumour	5	0,019			
Low grade sinonasal sarcoma Periosteal osteosarcoma	5	0,019			
Kaposiform hemangioendothelioma	3	0,015			
Small cell osteosarcoma	4	0,015			
Myoepithelioma of bone	4	0,015			
Liposarcoma of bone	4	0,015			
Composite hemangioendothelioma	3	0,011			
Malignant perineurioma	3	0,011			
Adult fibrosarcoma of bone	3	0,011			
Liposarcoma - mixed type Malignant tenosynovial giant cell tumors	2	0,008			
Metastatic leiomyoma	2	0,008			
Malignant myoepithelial Tumour	2	0,008			
Osteoblastoma-like osteosarcoma	2	0,008			
Dedifferentiated chordoma	2	0,008			
Lipomatous spindle cell/pleomorphic tum	1	0,004			
Papillary intralymphatic angioendotheliom		0,004			
Melanotic neuroectodermal tumour of infan Osteogenic tumor of uncertain prognosis	n 1 1	0,004			
Fibro-osseous tumour of bone NOS	1	0,004			
Undifferentiated epithelioid sarcoma	1	0,004			

Recommendation 2: Develop an EU-wide research programme to identify (poly-)genic risk scores

This action aims to assess the individual cancer risk with refined algorithms based on newly identified polygenic risk scores (PRS). Based on an increased understanding of individual cancer risks, education activities and counselling could be improved.

Recommendation 3: Support the development and implementation of effective cancer prevention strategies and policies within Member States and the EU

Preventing cancers calls for effective policy underpinned by excellent research. The Mission Board proposes to establish a research programme to identify effective cancer prevention strategies and methods to provide up-to-date knowledge to EU institutions and countries for designing and implementing effective cancer prevention measures at EU- and national level, tailored to local needs and conditions. Initial areas of research would focus on alcohol, food and sugar sweetened beverages and tobacco consumption, as well as commercial determinants²⁸ of health. These would be supplemented with research on exposures to workplace carcinogens, including emerging causes of cancer, air pollution, interactions of behavioural risk factors and comorbidities, as well as prevention strategies along the entire cancer continuum.

Prevention and understanding aetiology

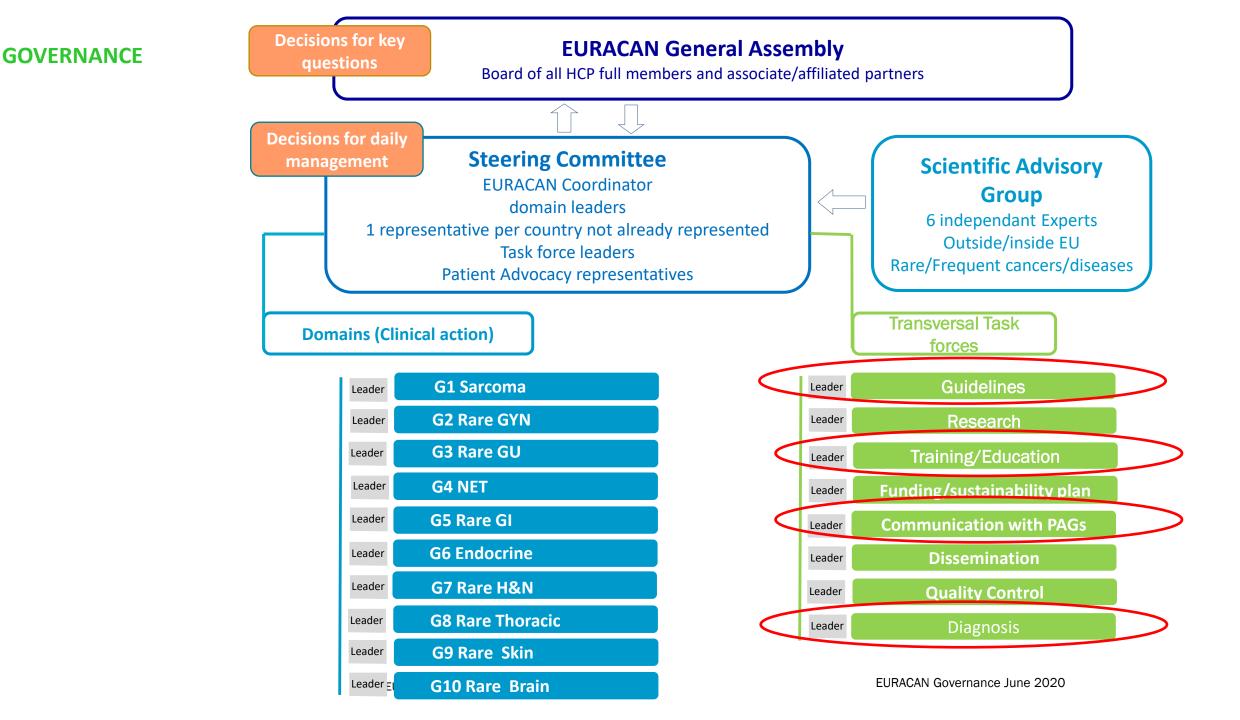
• Not our first mission

 But an opportunity to do that on rare cancers through registries and biological studies

• Support from EJP RD needed!

Recommendation 4: Optimise existing screening programmes and develop novel approaches for screening and early detection

Recommendation 6: Develop an EU-wide research programme on early diagnostic and minimally invasive treatment technologies





Sarcomas, in collaboration with the ESMO, development of the ESMO-EURACAN guidelines: <u>Gastrointestinal</u> <u>stromal tumours</u>, <u>Soft tissue and visceral sarcomas</u>

ESMO-PaedCan-EURACAN Bone Sarcomas guidelines

Medulloblastomas: in collaboration with EANO, development of clinical practice guidelines for <u>diagnosis</u>, <u>treatment</u>, and follow-up of post-pubertal and adult patients with medulloblastoma.

Pleural Mesotheliomas : EURACAN/IASLC Proposals for Updating the Histologic Classification of : <u>Towards a</u> <u>More Multidisciplinary Approach</u>

Peritoneal malignancies: in collaboration with PSOGI & RENAPE development of guidelines on pseudomyxomas & peritoneal mesotheliomas

2020

In collaboration with the ESMO development of the following ESMO EURACAN guidelines are on-going: Mesothelioma; Penile cancer; Biliary cancer; Testicular cancer; Eye melanoma, Merkel Cell carcinoma.

WEBSITE ON EURACAN CPGs

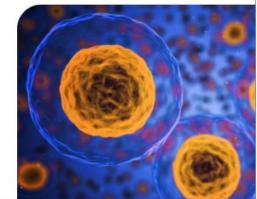


Rare cancer of connective tissue

Soft Tissue and Visceral GIST Bone sarcomas

Soft tissue and visceral sarcomas: ESMO–EURACAN Clinical Practice Guidelines for diagnosis, treatment and follow-up

Introduction



Expert Center MultiDisciplinary Team

These ESMO-EURACAN Clinical Practice Guidelines cover STSs (Soft $\quad \textcircled{+}$ Tissue sarcomas).

In general, the same principles apply to children and adults for these $_{(\pm)}$ tumors.

- Multidisciplinary approach by sarcome expert in a Multi disciplinary Team is mandatory in all cases.
- Management of STS should be carried out in reference centres for sarcomas and/or within reference networks

see page on reference networks and centres

Referral of all patients with a lesion suspected to be a sarcoma would \oplus be recommended.

Patient's typology



PATIENTS' LEAFLETS

Domains also work on developping patient brochures on their respective diseases to be disseminated in centres accross Europe.

Endocrine tumours

- Refractory thyroïd
- Adrenal cancers

Gynae tumours:

- Ovarian Sex Cord-Stromal Tumours (oSCST)
- Gestational Trophoblastic Disease
- Malignant ovarian Germ Cell tumors
- Granulosa tumour
- Rare Cervical cancers

Digestive tract

- Biliary tract
- Peritoneal
- Anal cancers

These brochures will be translated using both the e translation tool and a review will be performed by each member state in its own language

EDUCATION & TRAINING

In the framework of EURACAN and the JARC, ESO implemented new e-sessions on Rare Adult Solid Cancers on an annual basis with the ultimate goal to strengthen the educational coverage of a group of cancers which may be neglected in spite of their collective incidence

The European school of Oncology in collaboration with the University of Milan, has also launched a series of **Post-graduate Courses** for an international audience of clinical oncologists interested in advancing their knowledge and skills on rare adult solid cancers *University post-graduate course - clinical oncology*

The video-recorded lessons of these two courses are available on the e-learning website <u>www.eso.net</u>

Preceptorships: clinical update on Rare Adult Solid Cancers

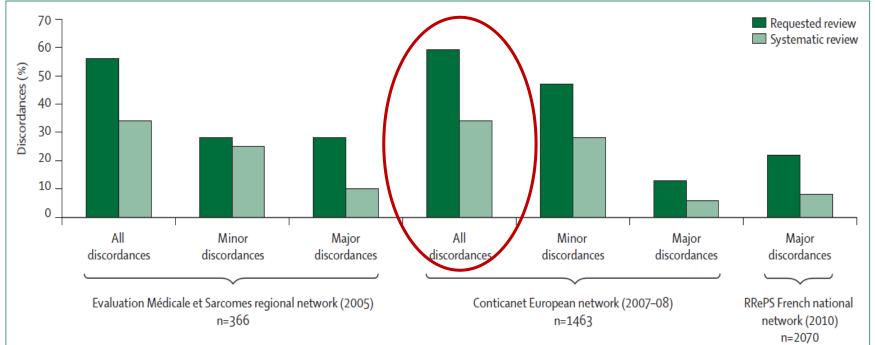
e-learning sessions (live)

The recorded sessions are available on www-e-eso.net

Recommendation 9: Achieve Cancer Health Equity in the EU across the continuum of the disease



Histological discordances



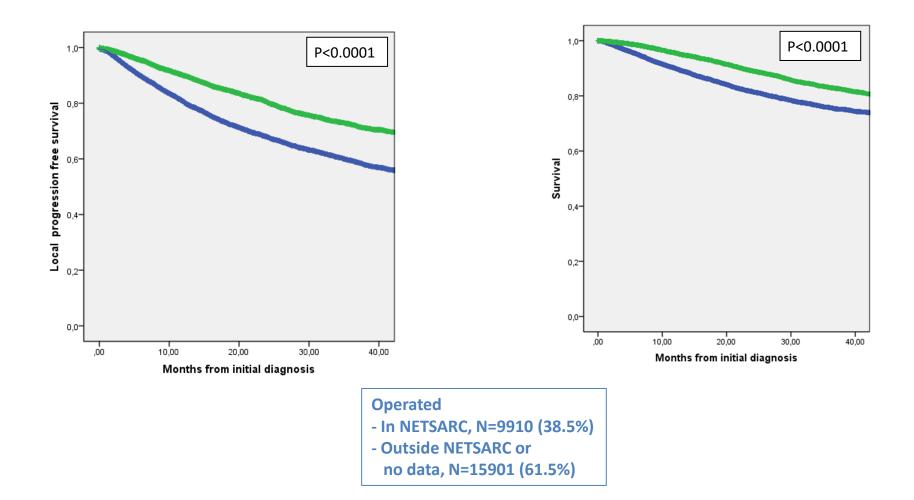
Histological reviews registered in 2010: 14% of major discordances (341 cases) Cost of the treatments assessed for the initial diagnosis: €2,186,816 vs. final diagnosis: €1,060,174 Histological reviews/molecular biology result in a cost saving of more than €1,000,000

Lionel Perrier, ISPOR 19th, Canada, June 2014



Healthcare system should ensure that accurate pathology is critical to good care. Histopathologists should be members of a quality assurance scheme which allows second opinions to be routine practice

LRFS & OS : incident patient population



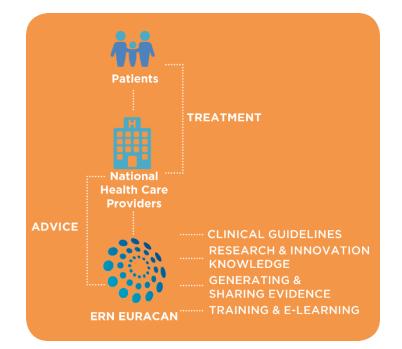
CLINICAL PATIENT MANAGEMENT SYSTEM (CPMS)

The Clinical Patient Management System (CPMS) is the secure web-based application provided by the EC to support ERNs in the diagnosis and treatment of rare or low prevalence complex diseases or conditions across national borders. <u>https://cpms.ern-net.eu/login/</u>

Physicians can ask for their patient case to be reviewed by expert registered on the platform either by organizing 'virtual' advisory boards of medical specialists across different disciplines or by uploading patient clinical data, images or virtual slides to get a second opinion on a management or review of a diagnosis

The goal is to have clinical and biological patient data to travel and not patients



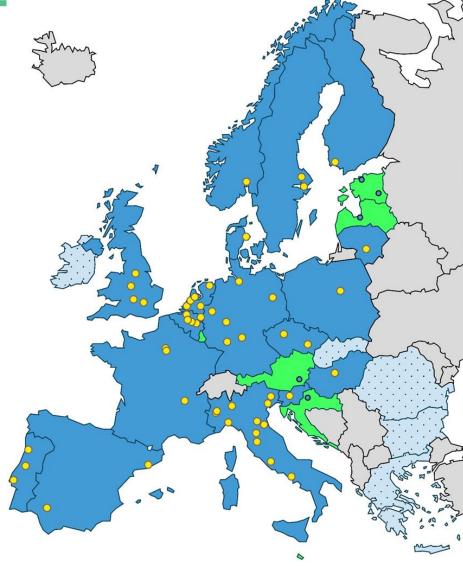


ACCESS

The CPMS/ERNs are not accessible directly to patient, however, with a patient's consent and in accordance with the rules of their national health system, a patient's information can be uploaded on the platform and referred to the relevant ERN member by their healthcare provider.



- Physicians from ERNs
- → 🏶 Ph
 - Physicians from outside the network, from the EU/EEA can also access the CPMS as guests



EURACAN CPMS ACCESS PROCEDURE <u>Http://137.74.172.63/euracan/decisiontree/home</u>

Guide to the CPMS





Are you a **healthcare professional***?

Yes) (No

*A healthcare professional is, according to the Article 3(f) of Directive 2011/24/EU on the application of patients' rights in cross-border healthcare: 'a doctor of medicine, a nurse responsible for general care, a dental practitioner, a midwife or a pharmacist within the meaning of Directive 2005/36/EC, or another professional exercising activities in the healthcare sector which are restricted to a regulated profession, as defined in Article 3(1)(a) of Directive 2005/36/EC, or a person considered to be a health professional according to the legislation in the Member State of treatment'.



You are a healthcare professional



Let's see if there is a **national network covering the disease** you are concerned about in your country.

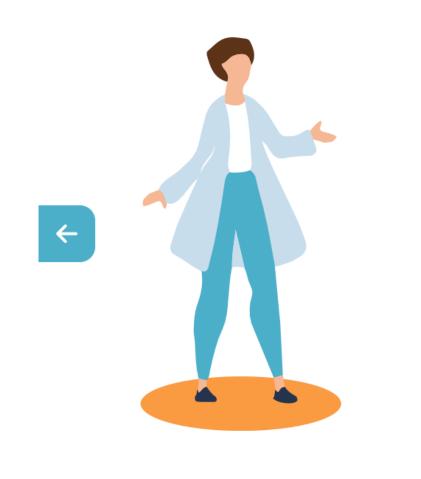
Please choose the country you are working in :

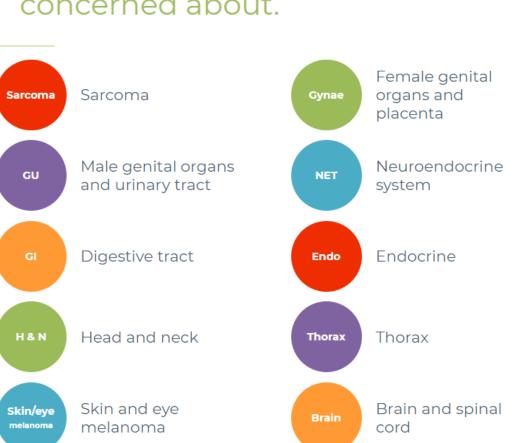
Austria	France	Malta
Belgium	Germany	Nether
Bulgaria	Greece	Norwa
Croatia	Hungary	Polanc
Cyprus	Ireland	Portug
Czech Republic	Italy	Romar
Denmark	Latvia	Slovak
Estonia	Lithuania	Sloven
Finland	Luxembourg	Spain

lta Sweden Iherlands United Kingdom Iway Another country and tugal mania vak Republic venia



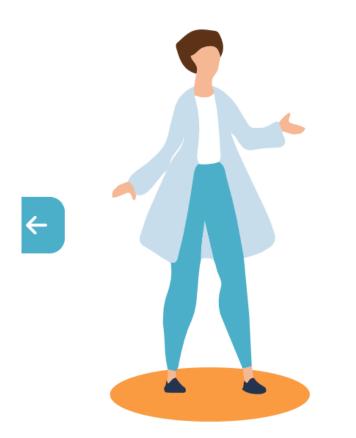
G You are working in France





Please choose the rare cancer you are concerned about.

Rare cancer of connective tissue



Please contact **the following network** for the management of your patient.

NetSarc+

NetSarc is the French clinical reference network for soft tissue and visceral sarcomas, implemented in 2010 and approved by the INCa in 2019 (28 centers).

G https://expertisesarcome.org/centres-experts-par-region/

CLCC Léon Bérard 28 rue Laennec 69373 LYON CEDEX 8 France

 Jean-Yves BLAY (Coordinator) +33478782757



complex diseases Network Adult Cancers (ERN EURACAN)



Annalisa Trama annalisa.trama@istitutotumori.mi.it





STARTER (3 YEARS)

EURACAN REGISTRY (WILL STAY...)

EURACAN Registry tumours included

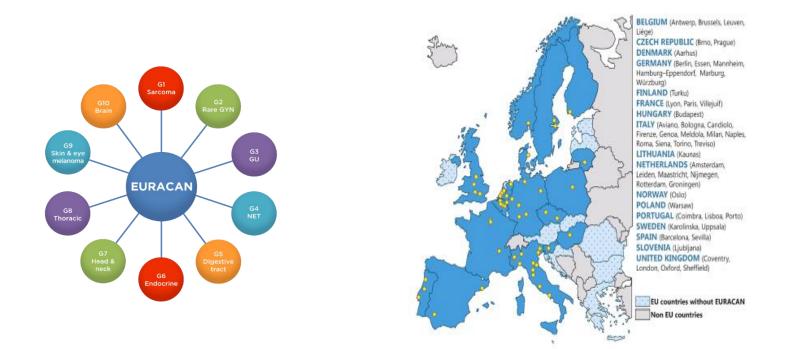


1. Pediatric cancers

2. Haematologic rare neoplasms

- **3.** Sarcomas
- 4. Rare thoracic cancers
- 5. Neuroendocrine tumours
- 6. Head & neck cancers
- 7. Central nervous system tumours
- 8. Rare female genital cancers
- 9. Rare urological and male genital tumours
- **10.** Endocrine gland tumours
- **11.** Digestive rare cancers
- 12. Rare skin cancers & non-cutaneous melanoma

EURACAN Registry health care providers involved

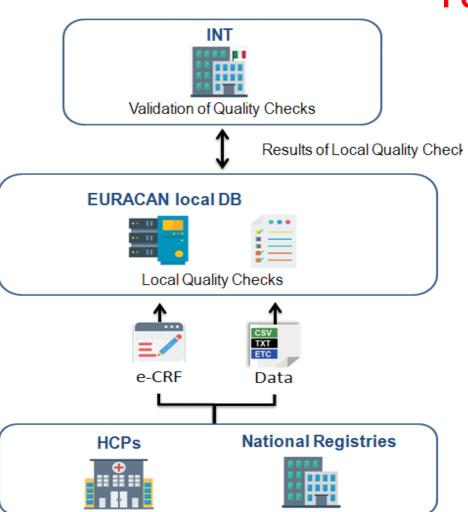


Open to Not EURACAN health care providers

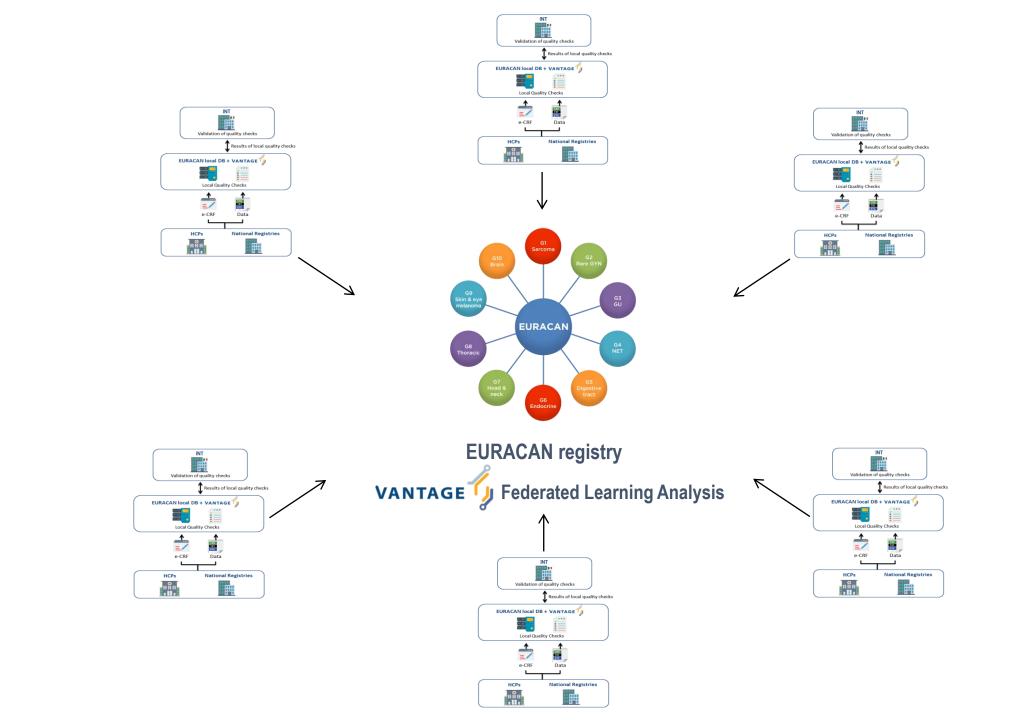


- Develop the IT infrastructure
- Define the rare cancer family in major need of a registry
- Discuss the objectives of the registry per each rare cancer family
- Address legal and ethical issues for data collection and data sharing
- Develop the EURACAN registry governance

EURACAN REGISTRY



Federated model



Recommendation 5: Advance and implement personalised medicine approaches for all cancer patients in Europe

Personalised medicine offers the promise of maximally effective therapies with minimal harm, both for patients and society. While considerable efforts are being made (e.g. ERA PerMed³¹, ICPerMed³²), many cancer patients still do not benefit from personalised medicine approaches. This recommendation aims to advance, scale, implement and optimise current personalised medicine approaches for cancer, deepening our understanding of cancer complexity, i.e. the role of the host, the impact of the outer environment on cancer initiation, and the evolution of cancer over time, to increase the number of patients for whom effective personalised approaches can be found.

As increased precision in cancer management will rely on large datasets for

✤Recommendation 7: Develop an EU-wide research programme and policy support to improve the quality of life of cancer patients and survivors, family members and carers, and all persons with an increased risk of cancer

Recommendation 8: Create a European Cancer Patient Digital Centre where cancer patients and survivors can deposit and share their data for personalised care

Best treatment is key, post treatment & tertiary prevention should be in our focus

Recommendation 11: Childhood cancers and cancers in adolescents and young adults: cure more and cure better

Recommendation 12: Accelerate innovation and implementation of new technologies and create Oncology-focused Living Labs to conquer cancer

RESEARCH

1843-ARCAGEN Status Euracan Network 2020-10

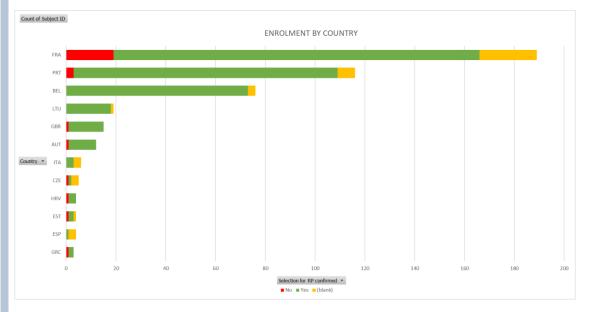
ARCAGEN RECRUITMENT STATUS

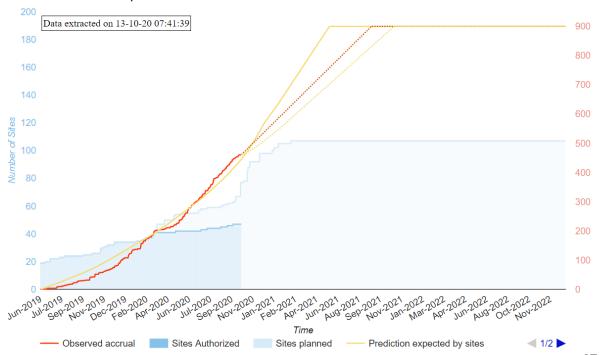
STATUS	08-Jan	30-Sep	Evolution
# of registered patients	99	453	358%
# of eligible patients	45	310	589%
# of Patients pending	50	112	124%
# of not eligible patients	8	31	288%

Registration per domain	Patient number	Patient number
	(Prospect)	(Retrospect)
Domain 1- Sarcoma	6	41
Domain 2- Ovarian	35	9
Domain 3 - Rare GU	5	
Domain 4 - Neuroendocrine	43	
Domain 5 - Gl	82	
Domain 6 - Endocrine	52	
Domain 7 - H&N	30	14
Domain 8 - Thoracic	26	13
Domain 9 - Skin & Uveal melanoma	6	
Domain 10 - CNS	5	
Multidomain	20	
Total	310	77

Recruitment from 28 investigators from 12 countries

✓ 40-50 patients / month since end of May



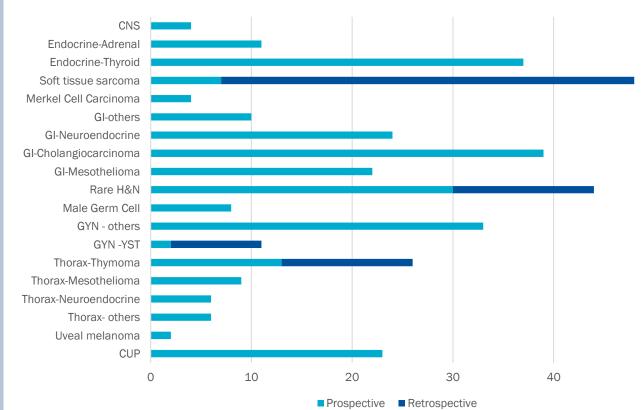


1843: All - Selection prediction accrual

MOLECULAR REPORTS

- Molecular reports generated: 301
 - F1 Liquid: 26%
 - F1 Heme: 2%
 - F1 CDx: 57%
- TAT: 3 to 5 weeks
- F1Liquid CDx to replace F1Liquid in Q4 2020

COHORT REVIEW



Arcagen - Histologies (cut-off 29/09/2020)

- Upcoming Cohort adaptation:
 - Domain 1
 - Domain 2
 - Domain 4
 - Under discussion • Domain 5
 - Domain 10 J

50

 Protocol amendment targeted for **Dec 2020**

PUBLICATIONS - COMMUNICATION

- Publication on retrospective part:
 - Global publication submitted/in review ESMO Open
 - Poster for ENA (24-25 Oct)
 - Specific GYN publication under preparation
- Communication on prospective part
 - Discussion with NCCJ (Japan), for possible collaboration around Arcagen,
 - A possibility could be to propose a co-analysis of some rare cancer subtypes common in Arcagen and Japanese cohort
- General communication plan 2021

Real world European registry of rare actionable fusions

Collection of clinical data from cancer patients harboring an actionable fusions (NTRK and others)

To describe the survival rate of this population in reallife practice, according to overall survival (OS)





Network Adult Cancers (ERN EURACAN)

TRacKING

Real world European registry of rare actionable fusions

European Reference Networks

At least 41 centers in 11 countries
Up to 250-500 patients
EHR data and quality of life questionnaire (QLQC30)
2 years inclusion - 2 years follow up
Opening in Europe: Q1 2021



Network for rare or low prevalence complex diseases

Network Adult Cancers (ERN EURACAN)

Regulatory submission in France

- \rightarrow Feedback expected this month
- \rightarrow Immediate opening of French centers

Bemains your contact for all questions

Contractualization with a CRO for regulatory submissions

Aixial: in charge of regulatory submission to ECs (in countries other than France)

→ will contact center to obtain missing information for the submission (e.g. CV of the PI)

is not in charge of establishing contracts. Contracts will be established between participating centers and CLB.

aixial AN ALTEN COMPANY

TRacKING

Real world European registry of rare actionable fusions

Austria	2
Croatia	0
Cyprus	0
Czech republic	1
Denmark	1
Estonia	0
Finland	0
France	15
Germany	10
Hungary	0
Italy	7
Lithuania	0
Luxembourg	0
Malta	0
Netherlands	1
Norway	0
Poland	1
Portugal	0
Slovenia	1
Spain	1
Sweden	0
UK	1
TOTAL	41

If your did not receive the feasibility questionnaire or the newsletter, and/or if you would like to participate, please <u>do not hesitate to contact us!</u>

CONTACT

Dr Julien BOLLARD Project Manager julien.BOLLARD@lyon.unicancer.fr

Alexandra BIETTE Clinical Research Associate <u>alexandra.BIETTE@lyon.unicancer.fr</u>

Jhank you!

Recommendation 13: Transform cancer culture, communication and capacity building

COMMUNICATION & DISSEMINATION



New EURACAN website

website Newsletter



R 9



About the Collaborative Platform - Restricted Access

ECP Newsletter



European		
Reference		
Networks	Buropean	
for Rare Cancers	Reference Networks	
What is an ERN?		
European Seference Networks (EENs) are networks of netroal centres of escentral involving nearly 1000 healthcare providers throughout the European Union (EU) specialising in the treatment of rare and complex diseases. There are 24 EXNV and each corresponds to a broad disease grouping.		
EURACAN and EuroBloodNet cover respectively solid and haematological cansers in adults, praedcan covers paediatric cancers and dehtrums encompasses genetic tumour mak syndromes.	Reference Network by specific press	
How will ERNs help patients?	Pradiates Canone (1819 Pradiate)	
Exercise sectors of diagnosis and treatments expertise travels rather than the patient. Specialized healthcare professionals discuss patients cases with their colleagues, and accurely there images and/or biological samples within	EuroBleedNet	
and/or outside their country. Utimately, this will result in providing timely, adequate and equal access to diagnosts and care for all rare disease/ tare cancer patients in the EU. The EU Jurit action on naire cancers (JARC) supports the development of ERNI for rare cancers and provides recommendations on rare cancers' policy:		
www.jointactionrarecancers.eu	www.genarit.eu	
ERNs are patient-centred: Patient advocates associated with ERNs represent their European Patient Advocacy Group GPAGs whose diseases are covered by a specific ERN.	EUHUHUK	
They are called "ePAG advocates" and are involved at the highest level on the BRN Boards/ taseing committees and work closely with the ERN medical experts. EUROPDI-Pare Divestes Durace provides them with coordinated support.	IACC	



ERNs are virtual networks involving European health care providers (HCPs), Associate Partners (learned societies, EU/International care profiles strong) Associate Partners (learned societies, EU/International organisations of other relevant stakeholders) and patient advocates whose goal is to share expertise and improve access to care for patients across the European Union, especially for complex or rare diseases requiring highly specialized health care and a concentration of knowledge and resources. EURACAN is the ERN for Rare Adult Solid Cancers.

access to pathological diagnosis and

r referral and self-referral of adults





European Reference Networks

European Reference Network for rare or low prevalence complex diseases

Network Adult Cancers (ERN EURACAN)

ONLINE EVENT

5TH ESO-ESMO-RCE CLINICAL UPDATE ON RARE ADULT SOLID CANCERS

PRE-RECORDED SESSIONS: from 1 December 2020

LIVE SESSIONS: 16-17 January 2021

Chairs: J.Y. Blay, FR - P.G. Casali, IT - R.A. Stahel,

REGISTRATION FOR THE EVENT IS FREE BUT MANDATORY. FURTHER INFORMATION AVAILABLE AT <u>WWW.ESO.NET</u> AND <u>WWW.E-ESO.NET</u>





In partnership with



Conclusions

• ERN are key to the objectives of the mission cancer

- Prevention(s)
- In depth biological understanding of these cancers (genomics, immunology...)
- Early detection
- QoL
- Big data