

## IRCCS - Istituto Ortopedico Rizzoli - Department of Medical Genetics and Rare Orthopaedic Diseases, Italy

1. Respondent Profile	
1.1 Please indicate the type of organisation on behalf of which you are responding to this consultation:	Academic/public health and healthcare specialised institution/organisation (e.g. Institutes and University Departments of Public Health, Quality, Healthcare, Clinical Excellence)
Please indicate level:	National level organisation
Please indicate for what the administration is responsible:	
1.1.1. Other (please specify):	Coordinator of Hub&Spoke Network for Skeletal Dysplasia in Emilia Romagna Region
1.2 Please indicate the name of your organisation or centre:	IRCCS - Istituto Ortopedico Rizzoli - Department of Medical Genetics and Rare Orthopaedic Diseases
1.3 Please indicate the country where your organisation/centre is located/has its headquarters or main representative office in Europe:	IT
1.4 Please indicate the number of EU Member States and EEA countries (Norway, Iceland, Lichtenstein) and accessing country (Croatia) in which your organisation conducts business/is represented:	8
1.5 If need be, can we contact you by e-mail to obtain further information on your submission?	Yes
1.5.1 Please provide an e-mail address where we can contact you:	luca.sangiorgi@ior.it

1.6 Please provide us with a contact person (incl jobtitle and daytime phone number): Dr. Luca Sangiorgi, Chief of Medical Genetics Department - Telephone: +39 (0)51 6366519

1.7 Please provide additional contact details if needed:

## 2. Involvement of your organisation in the matter of centres of excellence/reference (COE) and healthcare networks in highly specialised healthcare (HSHC).

2.1 How would you describe your organisation's knowledge of CoE and HSHC? Poor

2.1.1 Space for further comments:

The network, the first in Italy, is recognised as CoE by a Regional Law and our organization is a centre of reference for research and development recognised by the Ministry of Health

2.2. What aspects or domains related to the topic of CoE and HSHC would correspond to your organisation's key knowledge? (cross any that applies)

Highly specialised healthcare provision  
Costs and economic evaluation  
Professional performance, clinical practice, quality and safety of specialized healthcare  
Assessment/evaluation/certification of clinical practice and healthcare providers  
Engineering/e-health

2.2.1. Space for further comments:

High level of clinical expertise, patients empowerment, psychological skills and resources, HTA studies, e-health: Gephcard for clinical and genetic data collection and LabRER for quality government.

2.3 Is highly specialised healthcare a priority in your organisation's strategies and work plans?

Very high

2.3.1 Space for further comments:	Priorities are: • molecular diagnosis, whole genome sequencing • patient centred care • produce good practice and guidelines of patients affected by rare syndromes involving the musculoskeletal system
2.4. What specific field of healthcare services/specialities are most relevant for your centre/organisation's field of work?	Laboratories and central services (e.g. pathology, genetics, biochemistry, pharmacy, microbiology etc.)
Please specify:	Rare syndromes involving musculoskeletal system
2.5. Has your organisation/centre been directly involved in the design or assessment of professional standards and criteria related with highly specialised healthcare?	Frequently
2.5.1 Please describe your role in such actions/projects:	Member of International Skeletal dysplasia network, collaborate to produce guidelines /standards of diagnosis and care, information packages, training sessions covering medical and social dimension
2.6. Has your organisation been involved in projects/activities supported by the Commission in relation with HSHC or professional and technical criteria/standards in highly specialised healthcare?	No
2.7. Do you have concrete examples based on your own organisation's experience or could you provide us with references or links to documents related with professional criteria and standards in highly specialised healthcare/CoE or HSHC (e.g. quality criteria, guidelines, consensus documents)?	Yes
2.7.1 Space for further comments:	Patient treatment, clinical and basic research, bioinformatics applied to clinics, diagnosis and research. Expertise on Biobanking: DNA, RNA and tissues for correlation of clinical and genetics data

2.13. What is the scope of the network?
2.14. Which kind of network?
2.14.1 Space for further comments:
2.15. Would you be interested in applying to the process to be considered Centre of Excellence of the future European Reference Network? (1 = not interested at all, 5 = very interested)
2.15.1 Space for further comments:

### 3. Proposed criteria for ERN (scope, general and specific criteria)

3.1 Criteria related with diseases or conditions in order to be considered under the scope of the ERN	
3.1.1. Need of highly specialised healthcare	5
3.1.1.1. Complexity of the diagnosis and treatment	5
3.1.1.2. High cost of treatment and resources	3
3.1.1.3. Need of advanced/highly specialised medical equipment or infrastructures	4
3.1.2. Need of particular concentration of expertise and resources	5
3.1.2.1. Rare expertise/need of concentration of cases	5
3.1.2.2. Low prevalence/incidence/number of cases	5
3.1.2.3. Evaluated experiences of Member States	2
3.1.3. Based on high-quality, accessible and cost-effective healthcare	4

3.1.3.1. Evidence of the safety and favourable risk-benefit analysis	4
3.1.3.2. Feasibility and evidence of the value and potential positive outcome (clinical)	4
3.1.4. Do you recommend any additional criteria or option that would effectively address the issue?	No
3.1.5. Would you prioritise or suggest any concrete disease or group of diseases to be addressed by the future ERN according to the above criteria?	Yes
3.1.5.1 Explain your proposal in free text:	Rare skeletal dysplasia. We have the most relevant collection in the world of DNA and clinical data for Multiple osteochondromas and we treat also Osteogenesis Imperfecta, Ehler Dahnlos Syndrome etc.

### 3.2. General criteria of the centres wishing to join a European Reference Network

3.2.1. Organisation and management	3
3.2.2. Patients empowerment and centered care	5
3.2.3. Patient care, clinical tools and health technology assessment	5
3.2.4. Quality, patient safety and evaluation framework policies	3
3.2.5. Business continuity, contingency planning and response capacity	3
3.2.6. Information systems, technology and e-health tools and applications	5

3.2.7. Overall framework and capacity for research and training	4
3.2.8. Specific commitment of the management/direction of the centre/hospital to ensure a full and active participation in the ERN	5
3.2.9. Do you recommend any additional option that would effectively address the issue?	No
3.2.9.1. Space for further comments:	High level of clinical expertise, patients empowerment, psychological skills and resources, HTA studies, e-health: Gephcard for clinical and genetic data collection and LabRER for quality government

### 3.3. Specific criteria regarding the areas of expertise

3.3.1. Competence, experience and good outcomes and care	4
3.3.2. Specific resources and organisation:	4
3.3.2.1. Human resources	5
3.3.2.2. Team/centre organisation	3
3.3.2.3. Structural conditions	3
3.3.2.4. Specific equipment	4
3.3.2.5. Presence and coordination with other required complementary units or services	5
3.3.3. Patient care pathways, protocols and clinical guidelines in the field of expertise	5

3.3.4. External coordination, care management and follow-up of patients	5
3.3.5. Research, training, health technology assessment in the field of expertise	4
3.3.6. Specific information systems	5
3.3.7. Do you recommend any additional criteria or option that would effectively address the issue?	No
3.3.7.1. Space for further comments:	We could contribute with: • highly competences, experience and good outcomes and care. • psicological resources on patients empowerment • Next Generation sequencing • E-health innovative IT solution