

## Access to treatment

in PH groups 1 & 4 (PAH & CTEPH)

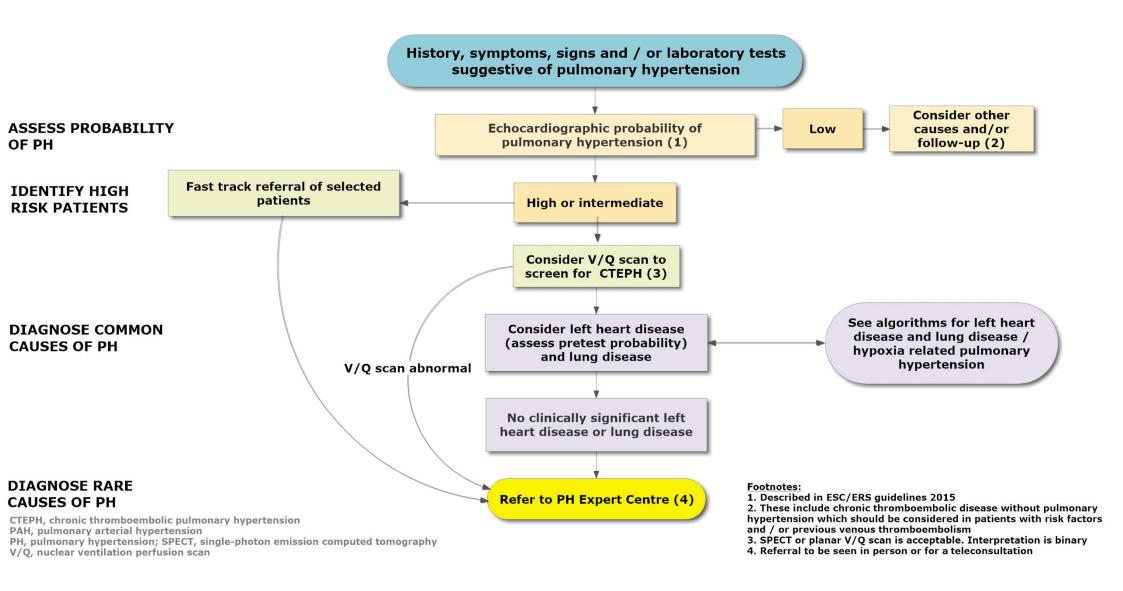




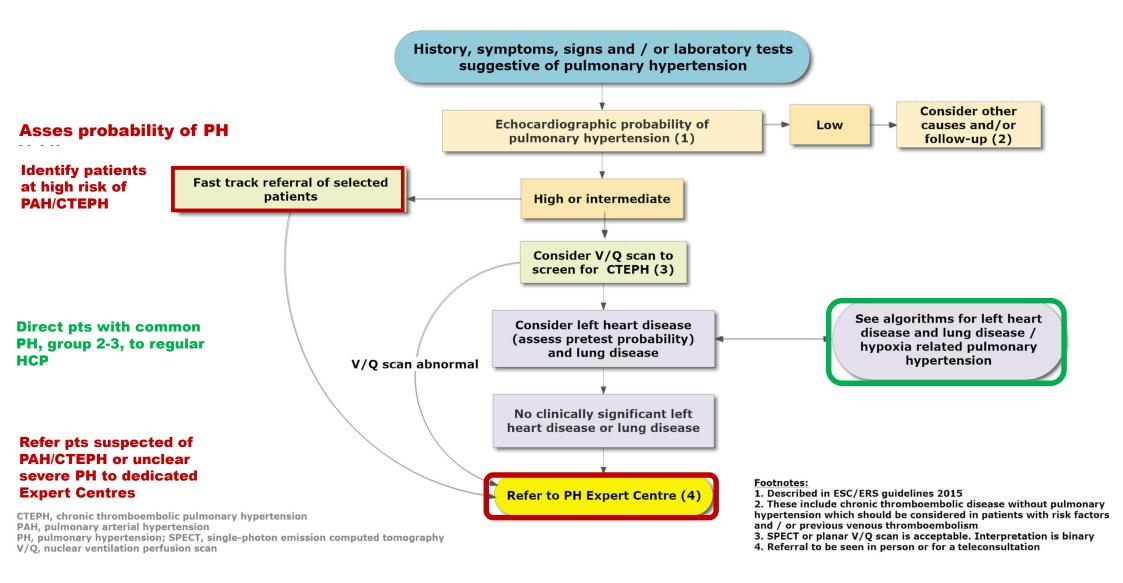
## Access to PH treatment – main determinants

- Awareness
  - among medical staff and populations at risk
- Reliable differential diagnosis
  - to identify those with PAH and CTEPH among millions of PH patients
- Local availability of medical and interventional Tx
  - access to approved drugs and validated interventions unrestricted by cost

### NEW ALGORITHM FOR DIAGNOSIS OF PULMONARY HYPERTENSION AND ITS CAUSES: Triage of urgent cases and diagnosis of common conditions

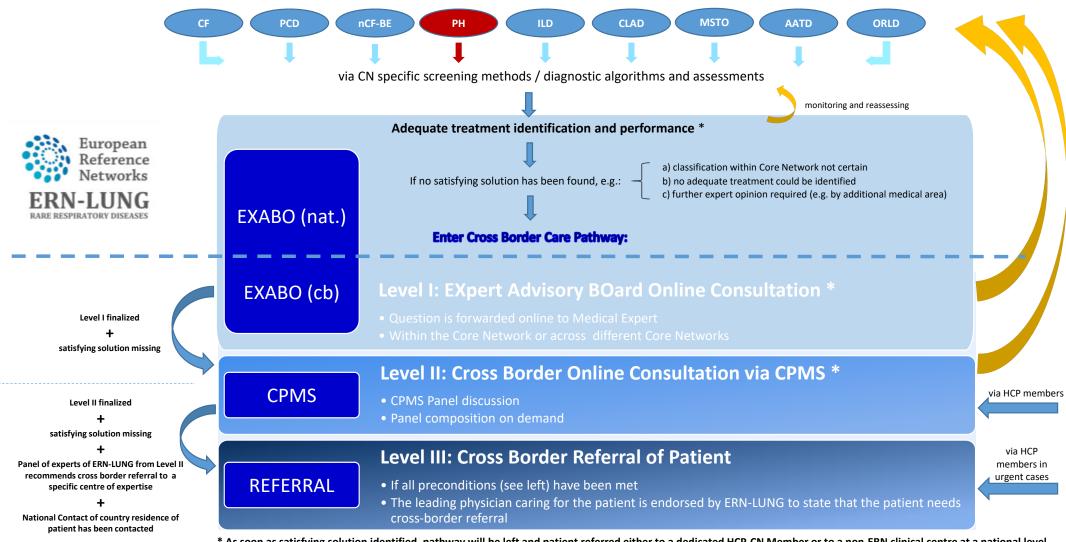


#### NEW ALGORITHM FOR DIAGNOSIS OF PULMONARY HYPERTENSION AND ITS CAUSES: Triage of urgent cases and diagnosis of common conditions



### ERN-LUNG: Patient Pathway via Core Networks for specific diagnosing and Cross Border Care

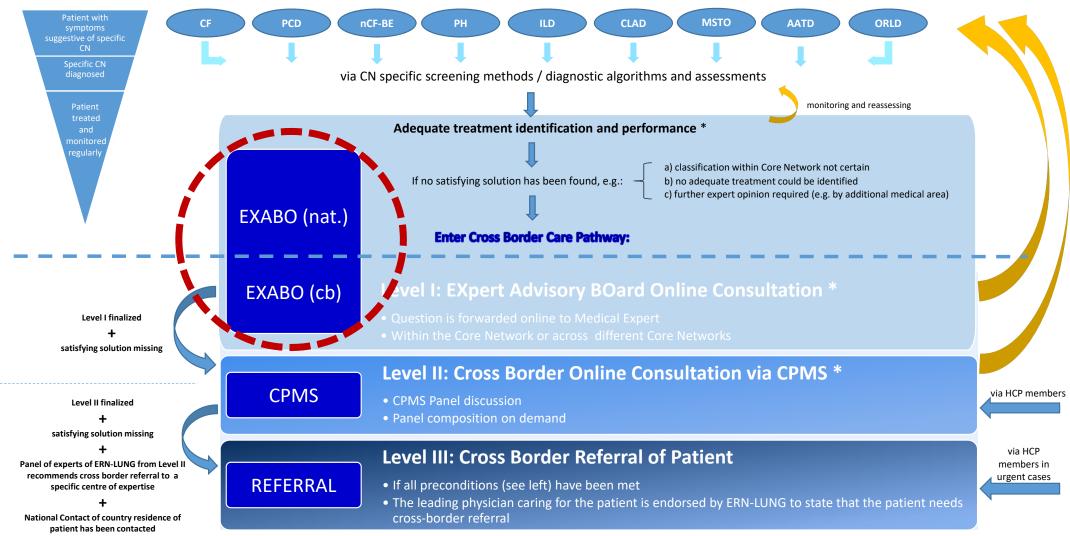
Patient with unclear respiratory disease referred by tertiary centre (e.g. local, regional, national referral/Supporting Partner referral) sent to presumed specific ERN-LUNG Core Network



<sup>\*</sup> As soon as satisfying solution identified, pathway will be left and patient referred either to a dedicated HCP-CN Member or to a non-ERN clinical centre at a national level

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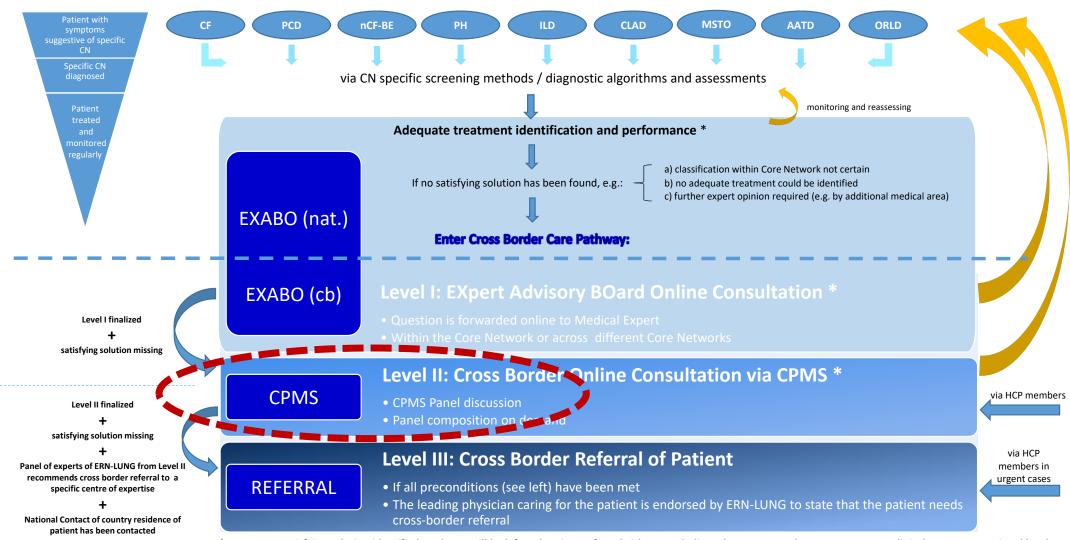
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Member HCP Affiliated Partner Patient Organization

## Competency Requirements: Minimum patient numbers & procedures



Indicator	Minimum # required / HCP / year		
Indicator	Adult	Children	
Minimum number of TOTAL patients (visited, treated or followed) per year	200	30	
Minimum number of NEW patients per year	50	10	
Key diagnostic procedures per year			
Acute vasoreactivity challenge	20	10	
Right heart catheterization	100	20	
Pulmonary angiography	50	10	
Doppler echocardiography	100	30	
Ventilation/perfusion lung scan (V/Q lung scan)	50	0-10	
Lung function tests with DLCO	100	20	
Cardio-pulmonary exercise testing	20	0-10	
6 min walking test	200	30	
Biomarkers: BNP and troponin	200	30	

## **CTEPH DIAGNOSIS AND THERAPY AVAILABILITY SEE**

	Population (mil)	Scintigraphy	Final dignosis	CTEPH team	Vasodilataio n therapy	BPA	PEA
Poland	37.8	yes	yes	yes	15 centers	8 centers	2 centers
Romania	19.1	no	3 centers	yes	6 centers	1 + pts are referred abroad	Pts are referred abroad
Czech Rep.	10.7	yes	yes	yes	1 center	1 center	1 center
Hungary	9.8	Only Q	yes	yes	yes	1 center	Pts are referred abroad
Serbia	8.7	Only Q	4 centers	yes	4 centers	2 centers	1+Pts are referred abroad
Bulgaria	6.9	Only Q	3 centers	No	No	1 center	Pts are referred abroad
Croatia	4.1	yes	1 centre	yes	1 center /	Pts are referred abroad	Pts are referred abroad
Slovenia	2.1	yes	yes	yes	1 center \	AKH Vienna	AKH Vienna

## Therapy for PAH/CTEPH

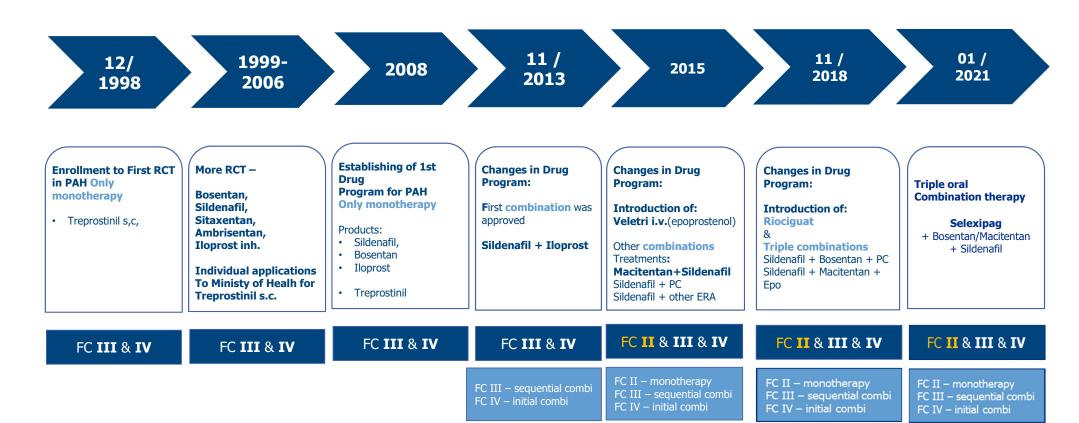
### PAH

- three classes of drugs, new coming...
- all approved based on RCT
- some Tx expensive/complex (continuous IV/SC aministration)
- upfront double/triple combination uptitrated, lifelong

### CTEPH

- surgery percutaneous angioplasty and/or drugs
- complex/costly one-time (surgery) or serial (angioplasty) procedure
- drugs as pre-treatment and for persistent CTEPH lifelong

## Poland – Access to drug therapy in PAH Journey from enrollment to first RCTs to reimbursed triple therapy...



- Support of tele-medicine triage in suspected PH
- Broader access to CPMS (national and cross-border) in complex PH cases
- Immediate access to all validated therapies for PAH and CTEPH
- In view of progressive pulmonary vascular changes irreversibly affecting QoL and survival delays in effective Tx are unacceptable
- Each patient with PAH and suboptimal treatment effects should be discussed with collaborating lung transplantation team.

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