Sometimes It's PH

Sometimes what sounds like a horse... Could be a zebra.

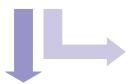




Pulmonary hypertension is a medical zebra.

DETECTION OF CTEPH after Pulmonary Embolism

At time of Pulmonary Embolism (PE), recognize Chronic Thromboembolic Pulmonary Hypertension (CTEPH) and arrange follow-up



Right Ventricular Systolic Pressure > 60 mmHg, or Acute-on-chronic PE on Computed Tomography

No

Refer to Thrombosis Clinic

Refer to Pulmonary Hypertension (PH) Clinic



Persistent dyspnea after 3 months of anticoagulation?

Continue anticoagulation

Obtain Echocardiogram

Echo Abnormal*



Normal

Pulmonary Rehabilitation

Respirology Consultation to evaluate for other causes of dyspnea or if not improved at 6 months

*Echo (TRvmax > 2.8m/s and/or RV abnormality)

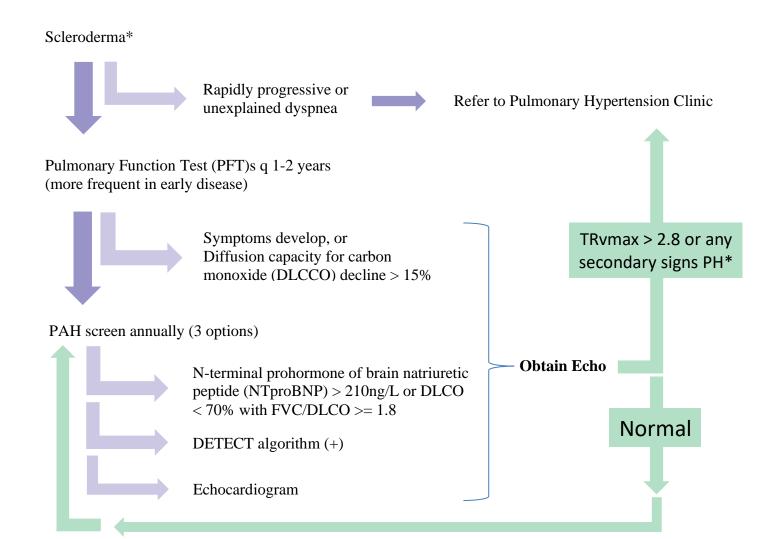
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SCREENING FOR PAH IN connective tissue disease



^{*}Screening should also be considered for high-risk cases of SLE (low DLCO, RNP+) or overlap CTDs DETECT algorithm available at: www.detectionofpah.com

^{**} Secondary signs of PH on echo include RV or RA enlargement or dysfunction, pulmonary artery dilatation, interventricular septal flattening, or elevated estimated central venous pressure

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PH FOR CARDIOLOGISTS

Unexplained Dyspnea or Elevated Pulmonary Artery Systolic Pressure (PASP) and/or RV dysfunction on echo



Severe PAH phenotype (normal LV, D-septum, RV dysfunction)

Or

PAH risk factors present

- Prior PE
- Connective Tissue Disease (Lupus, sclerodorma)
- HIV
- Stimulant use Portal hypertension
- Repaired or prevalent intra-cardiac shunts

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Refer to Pulmonary Hypertension (PH) Clinic

lung disease Refer to respirology

Recognizable severe lung disease (eg Chronic Obstructive Pulmonary Disease, Interstitial Lung Disease)



PH explained by left heart disease

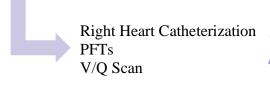
- Severe left-sided valvular disease
- Elevated Left Arterial pressures or pulmonary edema



Manage LHD, no PH therapy



PH unexplained or severity not in keeping with Left Heart Disease (LHD)



Pulmonary Vascular Resistance (PVR) normal

PVR > 2 WU (pre-capillary or combined pre- and- post capillary PH)

Refer to PH Clinic