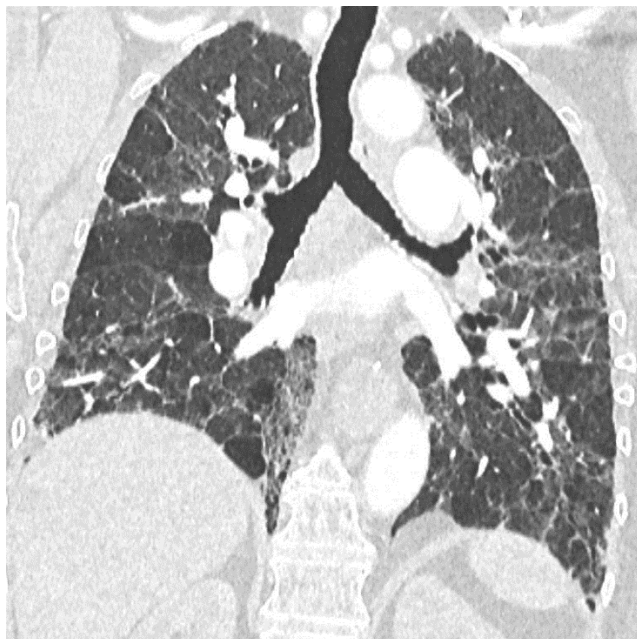
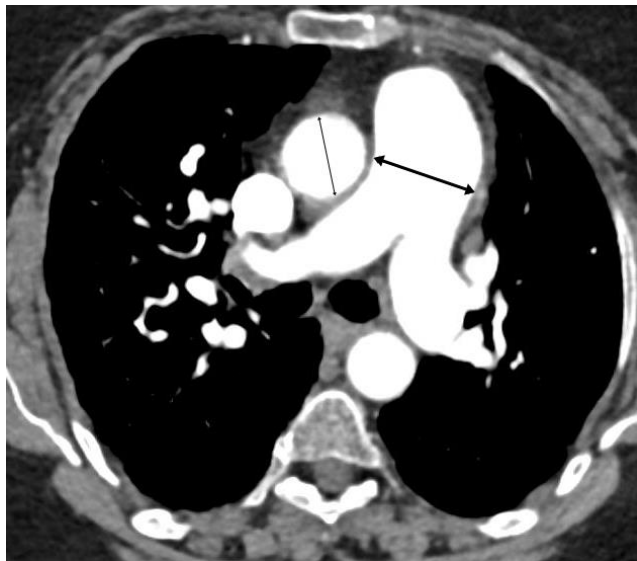
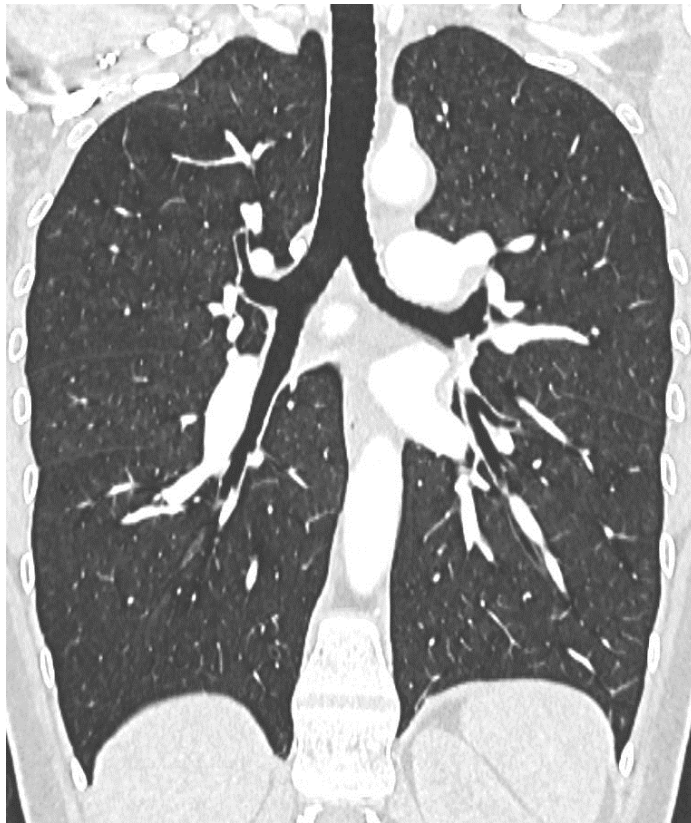
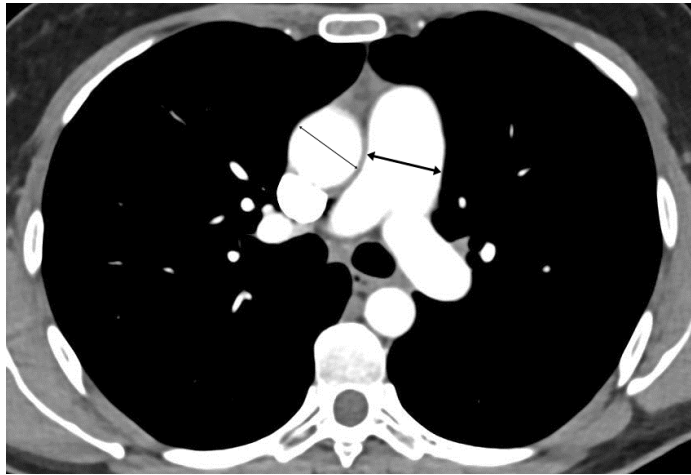


**Figure E1:** Contrast-enhanced CT examination of a 62 yr-old patient with fibrotic hypersensitivity pneumonitis and intermediate probability of pulmonary hypertension at echocardiography. **(a)** The widest diameter of the aorta: (thin arrow; 2.90 cm) and the widest diameter of the pulmonary artery trunk (thick arrow; 3.60 cm) perpendicular to its long axis are measured at the level of the bifurcation of the pulmonary trunk. **(b)** The pulmonary trunk/aorta ratio  $> 1$  reinforces the clinical suspicion of pulmonary hypertension in the context of fibrotic interstitial lung disease. Subsequent confirmation of precapillary pulmonary hypertension at right heart catheterization (mean pulmonary artery pressure PAPm: 47 mm Hg).



**Figure E2:** Contrast-enhanced CT examination of a 41-yr old female evaluated for severe precapillary pulmonary hypertension (mean pulmonary artery pressure PAPm: 58 mm Hg). **(a)** The widest diameter of the aorta (thin arrow; 2.70 cm) and the widest diameter of the pulmonary artery trunk (thick arrow; 2.70 cm) perpendicular to its long axis are measured at the level of the bifurcation of the pulmonary trunk. **(b)** A PA/aorta ratio = 1 does not exclude the presence of pulmonary hypertension. Absence of lung abnormality in this patient with a final diagnosis of pulmonary arterial hypertension.



**Figure E3:** Flow diagram.

	1. Is non-invasive imaging capable of identifying PH?	2. What is the role of imaging in establishing the cause of PH?	3a. Can imaging determine the severity of PH?	3b. Can imaging identify the complications of PH?	4. How should imaging be used to assess CTEPH before treatment?	5a. Should imaging be performed after treatment of CTEPH?
<div>Pre-screen</div> <div>Excluded</div>	<div>5163</div> <div>1685</div>	<div>4737</div> <div>3655</div>	<div>5163</div> <div>3248</div>	<div>5288</div> <div>3662</div>	<div>1390</div> <div>326</div>	<div>2123</div> <div>863</div>
<div>Title review</div> <div>Excluded</div> <div>Not original</div> <div>Not human adults with PH</div> <div>&lt; 10 with PH</div> <div>Not relevant</div> <div>Not published in English</div>	<div>3478</div> <div>381</div> <div>631</div> <div>460</div> <div>1347</div> <div>1</div>	<div>1082</div> <div>77</div> <div>52</div> <div>98</div> <div>672</div> <div>1</div>	<div>1915</div> <div>390</div> <div>35</div> <div>418</div> <div>447</div> <div>0</div>	<div>1626</div> <div>360</div> <div>24</div> <div>374</div> <div>326</div> <div>0</div>	<div>1064</div> <div>262</div> <div>26</div> <div>249</div> <div>383</div> <div>23</div>	<div>1260</div> <div>389</div> <div>249</div> <div>95</div> <div>362</div> <div>0</div>
<div>Abstract review</div> <div>Excluded</div> <div>Not original</div> <div>Not human adults with PH</div> <div>&lt; 10 with PH</div> <div>Not relevant</div> <div>Not published in English</div>	<div>658</div> <div>105</div> <div>80</div> <div>34</div> <div>214</div> <div>0</div>	<div>182</div> <div>43</div> <div>1</div> <div>8</div> <div>20</div> <div>0</div>	<div>625</div> <div>63</div> <div>89</div> <div>20</div> <div>65</div> <div>0</div>	<div>542</div> <div>37</div> <div>81</div> <div>14</div> <div>57</div> <div>0</div>	<div>121</div> <div>0</div> <div>0</div> <div>1</div> <div>17</div> <div>0</div>	<div>165</div> <div>5</div> <div>1</div> <div>9</div> <div>61</div> <div>0</div>
<div>Full text review</div> <div>Excluded</div> <div>Not original</div> <div>Not human adults with PH</div> <div>&lt; 10 with PH</div> <div>Not relevant</div> <div>Not published in English</div> <div>Article not retrievable</div>	<div>225</div> <div>21</div> <div>16</div> <div>21</div> <div>43</div> <div>0</div> <div>6</div>	<div>110</div> <div>49</div> <div>3</div> <div>11</div> <div>17</div> <div>0</div> <div>4</div>	<div>388</div> <div>10</div> <div>22</div> <div>26</div> <div>190</div> <div>1</div> <div>5</div>	<div>353</div> <div>17</div> <div>21</div> <div>20</div> <div>176</div> <div>1</div> <div>4</div>	<div>103</div> <div>6</div> <div>3</div> <div>9</div> <div>40</div> <div>0</div> <div>0</div>	<div>89</div> <div>7</div> <div>0</div> <div>9</div> <div>27</div> <div>0</div> <div>2</div>
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