

## Pulmonary hypertension questionnaire

### A-Related to illness

1-Dyspnea on exertion: Yes  No

1-1NYHA(New York heart association) Functional class I-IV

2-Chest pain:Yes  No

3- Syncope: Yes  No

### B-Related to Comorbid condition:

1- Orthopnea:Yes  No

2- Paroxysmal nocturnal dyspnea: Yes  No

3- Reynaud's phenomenon: Yes  No

4- Athralgia: Yes  No

5- Limb swelling: yes  No

6- Snoring: Yes  No

### C-Related to disease progression:

#### 1-Right heart failure symptoms

1-1 lower limb edema: Yes  No

1-2 Abdominal blowing, distention Yes  No

1-3 Anorexia Yes  No

2-Tiredness Yes  No

### D- Familial-personal history:

1- Has family history? Yes  No

- 2- Has drug history? Yes  No 
  - 2-1 appetite suppressants: Yes  No
  - 2-2 Chemotherapeutics:
    - 2-2-1 Cyclophosphamide Yes  No
    - 2-2-2 Etoposide Yes  No
    - 2-2-3 Bleomycin Yes  No
- 3- History of HIV infection Yes  No
- 4- History of thrombo-embolism or deep venous thrombosis Yes  No

E- Physical Examination:

- 1- Signs of increased pulmonary arterial pressure:
  - 1-2 Increased P2 Yes  No
  - 1-3 Mid systolic murmur Yes  No
  - 1-4 Parasternal heave Yes  No
  - 1-5 Right sided S2 Yes  No
  - 1-6 Increased JVP Yes  No
- 2- Worsened pulmonary arterial condition:
  - 2-1 Holosystolic murmur at left sternal border Yes  No
  - 2-2 Hepatomegaly Yes  No
- 3- Peripheral edema Yes  No 
  - 3-3 Ascitis Yes  No
  - 3-4 Hypotension Yes  No
  - 3-5 Cold extremities Yes  No
- 4- Comorbid conditions:
  - 4-1 Cyanosis Yes  No
  - 4-2 Clubbing Yes  No
  - 4-3 Respiratory symptoms:
    - 4-3-1 Crackles Yes  No
    - 4-3-2 decreased breath sounds Yes  No

- 4-3-3 Pleural effusion(s) Yes  No
- 4-3-4 wheezing Yes  No
- 4-3-5 Increased Exhalation time Yes  No
- 4-3-6 Morbid Obesity Yes  No
- 4-3-7 Kypho-scoliosis Yes  No
- 4-3-8 Tonsil enlargement Yes  No

5- Others:

- 5-1 Arthralgia/arthritis Yes  No
- 5-2 capillary bed changes Yes  No
- 5-3 Varicose veins Yes  No

F- Electrocardiography:

- 1- Right ventricular hypertrophy Yes  No
- 2- Right atrial distention(RAD) Yes  No
- 3- Tall R in V1 Yes  No

G- Chest radiography:

- 1- Increased PA Diameter Yes  No
- 2- Pruning Yes  No
- 3- Right ventricular enlargement Yes  No
- 4- Comorbid conditions in X-Ray:
  - 4-1 Pulmonary vein congestion Yes  No
  - 4-2 Lung hyperinflation Yes  No
  - 4-3 Cardiomegaly Yes  No
  - 4-4 Signs of chronic thrombo-embolism:
    - 4-4-1 Right heart enlargement Yes  No
    - 4-4-2 Chronic volume loss & atelectasis Yes  No
    - 4-4-3 Pleural effusion Yes  No

H- Echocardiography:

- 1- Pulmonary arterial Pressure:  Cm/H2O
- 2- Right atrial Pressure:  Cm/H2O
- 3- Right ventricular pressure  Cm/H2O

4- Presence of intra/extra cardiac shunt Yes  No

I-Laboratory:

1- Collagen vascular disease:

1-2 ANA Pos.  Neg.  Titer

1-2 Anti ds-DNA Ab. : Pos.  Neg.  Titer

1-3 Anti smooth muscle Ab. : Pos.  Neg.  Titer

1-4 Anti RNP Ab.: Pos.  Neg.  Titer

1-5 Anti scl-70 Ab: Pos.  Neg.  Titer

1-6 Anti cardiolipin Ab: Pos.  Neg.  Titer

2- Anti HIV Ab: Pos  Neg

J- ventilation/perfusion lung scan High  Intermediate  Low

K- Ct-Angiogram study :

1- PA enlargement Yes  No

2- Vascular defect in PA trunk and/or branches Yes  No

3- Differential diagnoses considered: Type: \_\_\_\_

L- Right heart catheterization results:

1- Mean pulmonary arterial pressure(mPAP) mm/Hg

2- Right atrial pressure(RAP)  mm/Hg

3- Wedge pressure  mm/Hg

4- Pulmonary vascular resistance  Wood

5- Cardiac Index .

6- Cardiac output .

7- Vaso-reactivity test Pos  Neg

**Additional data included:**

**Result(s):**