Lymphatic Interventions for Pulmonary and Hepatic Disorders

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• No disclosures

Special Thanks

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Intranodal Lymphangiography

MR Lymphangiography

Pulmonary Lymphatic Perfusion Syndrome

- Thoracic duct embolization
  - Treatment of Chylothorax
    - Minimally invasive alternative to Thoracic Duct Ligation
  - Rational
    - Lymphangiogram
    - Identification of the leak
    - Minimally invasive
    - Less mortality, morbidity

- Intrathoracic Lymphangiography
  - TD access
  - TD embolization
PLE Pathophysiology Concept

- **Physiology**:  
  - Liver generates albumin and delivers it into the bloodstream through the lymphatic system.  
  - Liver lymph has a high concentration of proteins.  
  - The lymphatic flow in the liver increases significantly in patients with CHF.

- **Hypothesis**:  
  - The loss of the proteins in PLE happens from the liver lymph leaking into the intestine.
Summary and Future

- Popularity of lymphatic interventions increase
  - Novel imaging and interventional techniques
  - New approaches, more experience

- Future is bright
  - Mainstream treatment
  - New indications
  - New interventional tools

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