LYMPHANGITIC CARCINOMATOSIS

“CERTAIN CANCERS SPREAD BY PLUGGING THE LYMPHATICS”

Cervix
Colon
Stomach
Breast
Pancreas
Thyroid
Larynx
BRONCHIOLITIS OBLITERANS

CRITTERS

COP/BOOP
Rheumatoid
Infectious-Swyer James
Transplant
Toxins
Sarcoid

MULTIPLE NODULES OR MASS >3 CM

DAYS OF THE WEEK: MTWTFSS

Mets/Carcinoma/Lymphoma
TB/granuloma
Wegener
Rheumatoid nodules/Round pneumonia
Fungal
Sarcoïd
Septic pulmonary emboli
COIN LESION <3 CM

CHANGE

- Carcinoma/Congenital
- Hamartoma/Hematoma
- AVM/Abscess
- Neoplasm—mets
- Granuoma
- Esoteric-TB pneumonia
A CT scan should be done to assess:

**Ca\(^2+\) pattern**
- Benign: solid, lamellated, central
- Malignant: stippled, any other pattern.
- Density: fat - Hamartoma

**Margins:**
- Spiculated suggestive of carcinoma

**Enhancement**
- Four 1-min images >15HU suggestive

**Growth**

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**CAVITY**

**CAVITY**

- Carcinoma-SCC
- Abscess-fungal/bacterial/TB
- Vascular-septic emboli
- Inflammatory-rheumatoid nodule
- Trauma-resolving contusion
- Young-bronchogenic cyst
CAVITY (continued)
BRONCHOVASCULAR SPREAD

SKILL

Sarcoid
Kaposi
Infection–PCP/TB
Lymphoma
Lymphagitic spread

UNILATERAL HYPERLUCENT LUNG

POEMS

Poland syndrome/Pneumothorax
Oligemia/Obstruction (PE)
Emphysema
Mastectomy
Swyer James
ACUTE INTERSTITIAL DISEASE (RETICULAR)

HELP

Hypersensitivity pneumonitis
Edema-Inhalation injuries
Lymphoproliferative
Pneumonia-atypicals, PCP
CHRONIC INTERSTITIAL DISEASE (RETICULAR)

PAGE CHUCK AT THE CIA RIGHT NOW, THERE’S DRUGS

**Upper Lung Zones**
- Pneumoconiosis
- Ankylosing spondylitis
- Granulomatous
- Eosinophillic
- Sarcoid/Silicosis

**Mid Lung Zones**
- Chronic Hypersensitivity
LOWER LUNG ZONES

Collagen vascular disease
IPF
Asbestos
Rheumatoid
NF
Drug toxicity
ACUTE AIRSPACE DISEASE

HELP LEGALIZE HEMP

**DIFFUSE**
- Hemorrhage
- Edema
- Lymphoproliferative—esoteric
- Pneumonia

**FOCAL**
- Hemorrhage-contusion/PE
- Edema-inhalation (crack)
- MI (RUL)
- Pneumonia
CHRONIC AIRSPACE DISEASE

PEBBLES

PAP/PCP/Pedema
Eosinophilic pneumonia
BAC
BOOP
Lymphoma
Esoteric-Wegener’s/TB
Sarcoid/Septic pulmonary emboli
GROUND GLASS DIFFUSE OPACITY

SHAKE YOUR HIPS IN BED

Sarcoid
Hypersensitivity—smokers
Infection
Pneumonitis—DIP
Scleroderma/CVD
BOOP
Edema/aspiration
Drug toxicity

CENTRAL OPACITIES EXTENDING FROM THE HILA OUTWARDS

PPPP
PAP
Pulmonary edema
PCP
Pneumonia—atypical/influenza
MIDDLE MEDIASTINAL MASS

HABIT

- Hernia, Hematoma
- Aneurysm
- Bronchogenic cyst/duplication cyst
- Inflammation (sarcoidosis, histoplasmosis, coccidioidomycosis, primary TB in children)
- Tumors—remember the five Ls:
  - Lung, especially oat cell
  - Lymphoma
  - Leukemia
  - Leiomyoma
  - Lymph node hyperplasia
RETICULAR (CXR)/CYSTIC OPACITIES (CT)

ELECT CHIP

- EG
- LAM
- Emphysema
- CF
- TS
- Coccidiomycosis
- Hydrocarbon
- Infectious
- PCP
FINGER IN GLOVE OPACITIES

CACACA

CF
Asthma
Congential bronchial atresia
ABPA
Cancer
AVM
CRAZY PAVING (CT)

ACUTE
- Edema
- Hemorrhage

CHRONIC
- PAP
- Sarcoid
- PCP
- Fibrosis
END-STAGE LUNG (CXR)—ARCHITECTURAL DESTRUCTION

TESSA

TB
EG
Sarcoid
Silicosis
ARDS—The sequela of
CA$_2^+$ NODULES

MASH POX

- Metastatic disease
- Alveolar microlithiasis
- Silicosis/siderosis
- Histoplasmosis
- Pox (Varicella)

TREE IN BUD OPACITIES (CT)

MIT

- Mucous plugging: Aspiration/Kartagener's
- Inflammatory plugging (PUS): TB/MAI
- Tumor emboli (rare)
NODULES (CT)

DIFFUSE

MISSILE

- Mets
- Infection
- Sarcoid
- Silicosis
- Lymphoma
- EG
PERILYMPHATIC

A SKILL

Amyloid
Sarcoid
Kaposi’s
Infection (PCP)
Lymphoma
Lymphang carcinomatosis
CENTRILOBULAR
HERB HAS GAS

Hypersen pneumonitis
EG
RB-ILD
BAC/BOOP
GVHD
VASCulitis
BRONCHIECTASIS

CAPT KANGAROO HAS MOUNIER KUHN

- Cystic fibrosis
- ABPA
- Postinfectious
- TB
- Kartagener’s
- Mounier Kuhn
TRACHEAL NEOPLASMS

Multiple

TRAM

- Tracheobronchopathia
- Relapsing polychondritis
- Metsastasis

Single

MATCH

- Mucoepidermoid
- Adenoid cystic
- Tracheal SCC
- Carcinoid
- Hamartoma
Cardiac

CARDIOMYOPATHY

RESTRICTIVE

Sarcoid
Hemochromatosis
Amyloid
Endocardial fibroelastosis

HYPERTROPHIC

Obstructive
Nonobstructive
Dilated

**PERICARDIUM**
CA²⁺

Uremic
Viral
TB
Prior hemorrhage