Micronodular Lung Disease
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- Research grant – GE
- Author - Elsevier
- Author - Up-to-Date
- Consultant - ImageMetrix

Definition
- Rounded opacities
- < 3- to 5-mm

CT Detection
- Sliding MIPS
  - Improve detection of subtle disease
  - ≈ 5-mm

CT Detection
- Coronals
  - Disease distribution
Micronodules

Distribution

Micronodules

Random

Perilymphatic

Centrilobular

Pulmonary Lobule

Interlobular septum

Pulmonary vein branch within septum

Lobular bronchile

Lobular artery

Vein

Centrilobular Nodules

Interlobular septum

Pulmonary vein branch within septum

Lobular bronchile

Lobular artery

Vein
Centrilobular Nodules

- Silicosis/CWP
- Pulmonary LCH
- Infection
- Aspiration

Solid CL Nodules
**Solid CL Nodules**
- Silicosis/CWP
- Pulmonary LCH
- Infection
  - TB, NTMB
  - viral
- Aspiration

**CL GG “Nodules”**
- Micronodules
- Distribution
  - Random
  - Perilymphatic
  - Centrilobular
- Solid
- “Tree-in-Bud”

**“Tree-in-Bud”**
**CL GG “Nodules”**

- Hypersensitivity pneumonitis
- Bronchiolitis
- Respiratory
- Infection (viral)
- Adenocarcinoma (BAC)
- OP/NSIP
- Edema/vasculitis

**Hypersensitivity Pn**

- Inspect (Insp)
- Exp

**Adenocarcinoma**

**Perilymphatic Nodules**
- Sarcoidosis
- Lymphangitic carcinomatosis
- Silicosis/CWP
- Lymphocytic IP (rare)
- Amyloidosis (rare)
**Sarcoidosis**

- **Micronodules**
- **Distribution**
- **Random**
- **Centrilobular**
- **Solid**
- "Tree-in-Bud"

**Lymphangitic Carcinomatosis**

**Random Nodules**

- Disseminated infection (miliary)
- Sarcoidosis
- Metastatic disease
- Silicosis, CWP
- Langerhans cell histiocytosis
**References**


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*an algorithm*

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