Asbestos Bodies and Asbestosis

Light Microscopic Images from a lung biopsy

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Asbestosis

  - NIOSH = National Institute for Occupational Safety and Health
  - CAP = College of American Pathologists
- Asbestosis defined for pathologists as presence of peribronchiolar fibrosis and interstitial fibrosis AND more than one asbestos body in a section of lung parenchyma
- Grades 1 to 4 severity:
  - Grade 1 = peribronchiolar fibrosis only
  - Grade 4 = dense fibrosis (‘end stage’) no normal lung recognizable

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Asbestos Bodies. Iron Stain

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Asbestos Body. Iron Stain
Asbestos Body. Unstained thick section
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Unstained thick section.
Peribronchiolar fibrosis
Asbestos Bodies. Unstained thick section. Peribronchiolar fibrosis

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Asbestos Bodies. Unstained thick section
H&E stain. Lung parenchyma. Many normal alveoli. Mild Peribronchiolar fibrosis (Grade 1 Asbestosis)
H&E stain. Lung parenchyma. Peribronchiolar and Interstitial Fibrosis (Grade 2 Asbestosis)

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H&E stain. Lung parenchyma. Peribronchiolar and Interstitial Fibrosis (Grade 2 Asbestosis)
H&E stain. Lung parenchyma. Peribronchiolar and Interstitial Fibrosis (Grade 3 Asbestosis)
H&E stain. Lung parenchyma. Peribronchiolar and Interstitial Fibrosis
H&E stain. Lung parenchyma. Interstitial Fibrosis

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H&E stain. Lung parenchyma. Interstitial Fibrosis. Asbestos Body
H&E stain. Lung parenchyma. Dense Fibrosis (Grade 4 Asbestosis)

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