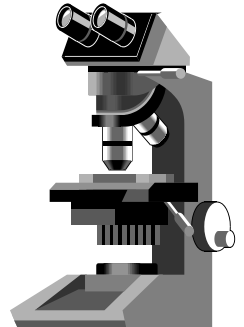


CALIFORNIA
TUMOR TISSUE REGISTRY

MEDIASTINUM / LUNG PATHOLOGY

Minutes – Subscription A

October 2014



SUGGESTED READING (General Topics from Recent Literature):

- Li YH; Chen SP. Evolutionary history of Ebola virus. *Epidemiol Infect* 2014 Jun;142(6): p1138-45.
Stephenson J. CDC: Ebola risk to US patients is low, but clinicians should be on alert. *JAMA* 2014; Aug 20;312(7): p686.
Green A. WHO and partners launch Ebola response plan. *Lancet* 2014; Aug 9;384(9942): p481.
Bagcchi S. Ebola haemorrhagic fever in west Africa. *Lancet Infect Dis* 2014; May;14(5): p375.
Dixon MG; Schafer IJ. Ebola viral disease outbreak--West Africa, 2014. *MMWR Morb Mortal Wkly Rep* 2014; Jun 27;63(25): p548-51

California Tumor Tissue Registry
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FILE DIAGNOSES

CTTR Subscription A

October 2014

Case 1:

Bullous emphysema, lung

Case 2:

Thymoma AB

Case 3:

Thymic carcinoma with squamous differentiation

Case 4:

Bronchioalveolar carcinoma, mucinous type, lung

Case 5:

Congenital cystic pulmonary adenomatoid malformation

Case 6:

Mucin-secreting adenocarcinoma, lung

Case 7:

Metastatic papillary carcinoma of thyroid, pleura

Case 8:

Sarcomatoid carcinoma, immunophenotypically suggest of renal origin

Case 9:

Anaplastic large cell carcinoma (giant cell carcinoma), lung

Case 10:

Granulomatous pneumonitis suggestive of silicosis

Alameda (Alameda County Medical Center) - Emphysema with bullae (6)
Fontana (Kaiser Permanente) - Benign cyst
Glendale - Cyst
Hayward/Fremont - Acquired benign cysts
Orinda (Kaiser Permanente) - Arteriovenous malformation
San Francisco (San Francisco General Hospital) - Pulmonary sequestration – cor pulmonale
San Jose - Pneumothorax secondary to pulmonary bleb
Santa Barbara (Miramonte Laboratory) - Bullous emphysema
Torrence (Harbor-UCLA Medical Center Residents) - Emphysema with bullae formation (2)
Woodland Hills (Southern California Permanente Medical Group) - Lymphangioleiomyomatosis
Arkansas (Associated Pathologists Laboratory) - Emphysema
Colorado, Fort Collins - Emphysematous changes/blebs
Florida (Gastroenterology Associates of Ocala) - Pulmonary lymphangioleiomyomatosis
Georgia (Wellstar Health System) - Hemangioma (1); Benign cyst/hemangioma (1); Inflamed benign lung cyst (1); Bullous emphysematous changes (1)
Georgia, Atlanta - Pleural bleb
Illinois (Heartland Regional Medical Center) - Pulmonary lymphangioleiomyomatosis
Iowa (Allen Memorial Hospital) - Bullous lung disease
Michigan (William Beaumont Hospital) - Distal emphysema with bullae formation
Minnesota (Fairview Ridge Hospital) - Bullae
Missouri (Washington University in St. Louis) - Blebs
Nebraska (Creighton University Medical Center) - Bullous emphysema
New York (SUNY Downstate Medical Center) - Elastotic scar with bleb
Ohio (Cleveland Clinic) - Emphysema with fibroelastosis
Ohio, Union Town - Lymphangioma
Ohio (University of Toledo Medical Center) - Pulmonary Langerhans cell histiocytosis
Pennsylvania (Lehigh Valley Hospital) - Lymphangioma
Puerto Rico (University of Puerto Rico) - Bullous emphysema
South Carolina (Medical University of South Carolina) - Pulmonary bleb
Texas, Crystal Beach - Honeycomb lung
Texas, Lubbock - Lymphangioleiomyoma
West Virginia (Greenbrier Valley Medical Center) - Lymphangioma
Wisconsin, Milwaukee - Lymphangioleiomyomatosis
Australia (Royal Hobart Hospital) - Pleural bleb (1); Apical bleb (1)
Canada (Pasqua Hospital) - Emphysema
India (Sri Siddhartha Medical College) - Lymphangiomas/rupture of emphysematous bullae
Ireland (Bon Secours Tralee) - Lymphangioleiomyomatosis
Ireland (Kerry General Hospital) - Honeycomb lung due to usual-type interstitial pneumonia
Ireland (Mayo General Hospital) - Bullous emphysema
Japan (Asahi General Hospital) - Usual interstitial pneumonia
Japan (Lions Mansion Nijo) - Atypical adenomatous hyperplasia
Japan (University of Yamanashi) - Emphysematous bullae
Japan (Wakayama Medical University) - Bulla with mesothelial hyperplasia
Oman (Khoula Hospital) - Emphysema
Spain (CHUVI Hospital) - Emphysematous bullae
Tokyo, Setagaya-Ku - Fibrous pleuritis with pneumoconiosis

Case 1 - Diagnosis:

Bullous emphysema, lung

Case 1 - References:

Pneumothorax, bullous disease, and emphysema. *Surg Clin North Am* 2010; Oct;90(5): p935-53. van Berkel V; Kuo E; Meyers BF.
Recurrent subcutaneous air of the face and neck. *Ann Thorac Surg* 2010; May;89(5): p1667-70. Kuo E; Ding D; Zoole JB, et al.
Congenital segmental emphysema: an evolving lesion. *Eur J Pediatr Surg* 2010; Mar;20(2): p78-81. Paramalingam S; Parkinson E, et al.
Clinical characteristics of combined pulmonary fibrosis and emphysema. *Respirology* 2010; Feb;15(2): p265-71. Kitaguchi Y; Fujimoto K, et al.
Small airway pathology and bronchoreversibility in advanced emphysema. *COPD* 2010; Apr;7(2): p93-101. Kim V; Pechulis RM, et al.
CT scan findings of emphysema predict mortality in COPD. *Chest* 2010; Sep;138(3): p635-40. Haruna A; Muro S, et al.
National Emphysema Treatment Trial redux: accentuating the positive. *J Thorac Cardiovasc Surg* 2010; Sep;140(3): p564-72. Sanchez PG; Kucharczuk JC, et al.

Case No. 2, Accession No. 31874

October 2014

Alameda (Alameda County Medical Center) - Thymoma, type AB (6)
Fontana (Kaiser Permanente) - Thymoma
Glendale - Spindle cell thymoma
Hayward/Fremont - Thymoma, AB type
Orinda (Kaiser Permanente) - Thymoma
San Francisco (San Francisco General Hospital) - Type AB, thymoma
San Jose - Thymoma
Santa Barbara (Miramonte Laboratory) - Thymic cyst
Torrence (Harbor-UCLA Medical Center Residents) - Thymoma, type AB (2)
Woodland Hills (Southern California Permanente Medical Group) - Thymoma, type AB
Arkansas (Associated Pathologists Laboratory) - Thymoma, type AB
Colorado, Fort Collins - Thymoma
Florida (Gastroenterology Associates of Ocala) - Thymic carcinoma, sarcomatoid pattern
Georgia (Wellstar Health System) - Thymoma (4)
Georgia, Atlanta - Thymoma, type AB
Illinois (Heartland Regional Medical Center) - Thymoma, type AB
Iowa (Allen Memorial Hospital) - Thymoma, type AB
Michigan (William Beaumont Hospital) - Thymoma, type AB
Minnesota (Fairview Ridge Hospital) - Thymoma, AB
Missouri (Washington University in St. Louis) - Thymoma, AB type
Nebraska (Creighton University Medical Center) - Thymoma (type AB)
New York (SUNY Downstate Medical Center) - Thymoma, type AB
Ohio (Cleveland Clinic) - AB thymoma
Ohio, Union Town - Thymoma
Ohio (University of Toledo Medical Center) - Thymoma
Pennsylvania (Lehigh Valley Hospital) - Thymoma AB type
Puerto Rico (University of Puerto Rico) - Thymoma AB
South Carolina (Medical University of South Carolina) - Type AB thymoma
Texas, Crystal Beach - Lymphocytic thymoma
Texas, Lubbock - Type thymoma
West Virginia (Greenbrier Valley Medical Center) - Spindle cell thymoma
Wisconsin, Milwaukee - Thymoma, type AB
Australia (Royal Hobart Hospital) - Thymoma (WHO, type AB) (2)
Canada (Pasqua Hospital) - Thymoma

India (Sri Siddhartha Medical College) - Thymoma B1
Ireland (Bon Secours Tralee) - Thymoma
Ireland (Kerry General Hospital) - Type AB (mixed) thymoma
Ireland (Mayo General Hospital) - Spindle cell thymoma
Japan (Asahi General Hospital) - Thymoma, type AB
Japan (Lions Mansion Nijyo) - Thymoma, type AB
Japan (University of Yamanashi) - Thymoma, type AB
Japan (Wakayama Medical University) - Thymoma, type AB
Oman (Khoula Hospital) - Type AB, thymoma
Spain (CHUVI Hospital) - Thymoma, type AB
Tokyo, Setagaya-Ku - Thymoma

Case 2 - Diagnosis:

Thymoma AB

Case 2 - References:

Ectopic cervical thymoma: a report of two cases of a rare entity frequently misdiagnosed on fine needle aspiration cytology and frozen section. *Head Neck Pathol* 2010; Jun;4(2): p152-6. Yan B; Lim D; Petersson F.
 Predictors of survival in patients with locally advanced thymoma and thymic carcinoma (Masaoka stages III and IVa). *Eur J Cardiothorac Surg* 2010; Apr;37(4): p819-23. Cardillo G; Carleo F; Giunti R, et al.
 Surgical treatment of early stage thymoma. *Lung Cancer* 2010; Oct;70(1): p116; author reply 117. Anile M; Diso D, et al.
 Thymoma and paraneoplastic myasthenia gravis. *Autoimmunity* 2010; Aug;43(5-6): p413-27. Marx A; Willcox N, et al.
 Thymoma in children: report of 2 cases and review of the literature. *Pediatr Dev Pathol* 2010; May-Jun;13(3): p202-8. Liang X; Lovell MA, et al.

Case No. 3, Accession No. 31878

October 2014

Alameda (Alameda County Medical Center) - Thymic carcinoma (6)
Fontana (Kaiser Permanente) - Thymic carcinoma
Glendale - Thymic carcinoma
Hayward/Fremont - Thymic carcinoma
Orinda (Kaiser Permanente) - Thymic carcinoma
San Francisco (San Francisco General Hospital) - Type B, thymoma
San Jose - Thymic carcinoma
Santa Barbara (Miramonte Laboratory) - Thymic carcinoma
Torrence (Harbor-UCLA Medical Center Residents) - Thymic carcinoma, basaloid type (2)
Woodland Hills (Southern California Permanente Medical Group) - Thymic carcinoma
Arkansas (Associated Pathologists Laboratory) - Thymic carcinoma
Colorado, Fort Collins - Thymic carcinoma
Florida (Gastroenterology Associates of Ocala) - Thymic carcinoma, poorly differentiated
Georgia (Wellstar Health System) - Thymic carcinoma (3); Atypical thymoma (WHO type B3)
Georgia, Atlanta - Thymic carcinoma
Illinois (Heartland Regional Medical Center) - Thymic carcinoma, squamous
Iowa (Allen Memorial Hospital) - Thymic carcinoma, squamous cell type
Michigan (William Beaumont Hospital) - Thymic carcinoma
Minnesota (Fairview Ridge Hospital) - Thymic carcinoma
Missouri (Washington University in St. Louis) - Thymic carcinoma
Nebraska (Creighton University Medical Center) - Thymic carcinoma
New York (SUNY Downstate Medical Center) - Thymic carcinoma

Ohio (Cleveland Clinic) - Well-differentiated thymic carcinoma
Ohio, Union Town - Thymic carcinoma
Ohio (University of Toledo Medical Center) - Thymic carcinoma
Pennsylvania (Lehigh Valley Hospital) - Thymic carcinoma
Puerto Rico (University of Puerto Rico) - Thymic squamous cell carcinoma
South Carolina (Medical University of South Carolina) - Thymic carcinoma, basaloid carcinoma subtype
Texas, Crystal Beach - Large cell carcinoma
Texas, Lubbock - Squamous cell carcinoma
West Virginia (Greenbrier Valley Medical Center) - Thymic carcinoma
Wisconsin, Milwaukee - Thymoma, type B3
Australia (Royal Hobart Hospital) - Thymoma (WHO type B3) (1); Basaloid squamous cell carcinoma consistent with thymic primary (1)
Canada (Pasqua Hospital) - Squamous cell carcinoma
India (Sri Siddhartha Medical College) - Thymic carcinoma
Ireland (Bon Secours Tralee) - Thymic basaloid carcinoma
Ireland (Kerry General Hospital) - Thymic carcinoma
Ireland (Mayo General Hospital) - Thymic carcinoma
Japan (Asahi General Hospital) - Squamous cell carcinoma
Japan (Lions Mansion Nijyo) - Poorly differentiated SCC consistent with thymic squamous cell carcinoma, non-keratinizing
Japan (University of Yamanashi) - Poorly differentiated squamous cell carcinoma (1); Thymic carcinoma (1)
Japan (Wakayama Medical University) - Thymic carcinoma
Oman (Khoula Hospital) - Thymic carcinoma
Spain (CHUVI Hospital) - Thymic carcinoma (squamous carcinoma)
Tokyo, Setagaya-Ku - Thymic carcinoma

Case 3 - Diagnosis:

Thymic carcinoma with squamous differentiation, thymus

Case 3 - References:

Thymic carcinoma: current and future therapeutic interventions. *Expert Opin Investig Drugs* 2010; Aug;19(8): p1007-16. Weiss GJ.
 Thymic squamous cell carcinoma with multiple brain metastases. *Acta Neurol Taiwan* (China 2010; Mar;19(1): p41-4. Yang JT; Chang CM, et al.
 Thymoma and thymic carcinoma: molecular pathology and targeted therapy. *J Thorac Oncol* 2010; Oct;5(10 Suppl 4): pS286-90. Strobel P; Hohenberger P; Marx A.
 Primary neuroendocrine carcinoma of thymus: a rare cause of Cushing's syndrome. *Indian J Pathol Microbiol* 2010; Jan-Mar;53(1): p148-51. Arora R; Gupta R; Sharma A; Dinda AK.
 Papillary adenocarcinoma developed in a thymic cyst. *Gen Thorac Cardiovasc Surg* 2010; Jun;58(6): p295-7. Morikawa H; Tanaka T, et al.
 Thymic neuroendocrine tumour (carcinoid): clinicopathological features of four patients with different presentation. *Interact Cardiovasc Thorac Surg* 2010; Dec;11(6): p732-6. Dutta R; Kumar A, et al.
 Thymic adenocarcinoma with sarcomatoid features characterized by intracaval tumor growth: report of a case. *Surg Today* 2010; Nov;40(11): p1068-72. Ishiwata T; Sekiya M, et al.

Case No. 4, Accession No. 9231

October 2014

Alameda (Alameda County Medical Center) - Adenocarcinoma, mucinous bronchioloalveolar type (6)
Fontana (Kaiser Permanente) - Adenocarcinoma
Glendale - Mucinous adenocarcinoma

Hayward/Fremont - BAC, mucinous (lepidic mucinous A/C)
Orinda (Kaiser Permanente) - Invasive adenocarcinoma, lepidic predominant
San Francisco (San Francisco General Hospital) - Mucinous lung adenocarcinoma
San Jose - Mucinous adenocarcinoma of lung (old BACA)
Santa Barbara (Miramonte Laboratory) - Mucinous carcinoma
Torrence (Harbor-UCLA Medical Center Residents) - Adenocarcinoma, poorly differentiated (2)
Woodland Hills (Southern California Permanente Medical Group) - Adenocarcinoma with mucinous features
Arkansas (Associated Pathologists Laboratory) - Bronchioalveolar carcinoma
Colorado, Fort Collins - Mucinous type bronchioloalveolar carcinoma
Florida (Gastroenterology Associates of Ocala) - Peripheral lung adenocarcinoma, mucinous pattern
Georgia (Wellstar Health System) - Adenocarcinoma (2); DIP and lepidic adenocarcinoma (1); Invasive mucinous adenocarcinoma (1)
Georgia, Atlanta - Mucinous bronchioloalveolar carcinoma
Illinois (Heartland Regional Medical Center) - Adenocarcinoma in-situ, mucinous
Iowa (Allen Memorial Hospital) - Invasive mucinous carcinoma
Michigan (William Beaumont Hospital) - Pulmonary adenocarcinoma, mucinous, with lepidic growth pattern
Minnesota (Fairview Ridge Hospital) - Adenocarcinoma, lepidic pattern
Missouri (Washington University in St. Louis) - Mucinous adenocarcinoma, in-situ
Nebraska (Creighton University Medical Center) - Invasive mucinous adenocarcinoma
New York (SUNY Downstate Medical Center) - Bronchioalveolar carcinoma, mucinous type
Ohio (Cleveland Clinic) - Mucinous adenocarcinoma, in-situ
Ohio, Union Town - Adenocarcinoma, lepidic predominant
Ohio (University of Toledo Medical Center) - Pulmonary adenocarcinoma
Pennsylvania (Lehigh Valley Hospital) - Mucinous adenocarcinoma
Puerto Rico (University of Puerto Rico) - Invasive mucinous adenocarcinoma with signet ring component
South Carolina (Medical University of South Carolina) - Invasive mucinous adenocarcinoma
Texas, Crystal Beach - Bronchioalveolar carcinoma
Texas, Lubbock - Mucin secreting adenocarcinoma
West Virginia (Greenbrier Valley Medical Center) - Bronchioalveolar carcinoma
Wisconsin, Milwaukee - Adenocarcinoma, lepidic
Australia (Royal Hobart Hospital) - Mucinous type of bronchioloalveolar adenocarcinoma (2)
Canada (Pasqua Hospital) - Invasive mucinous adenocarcinoma
India (Sri Siddhartha Medical College) - Bronchioalveolar carcinoma mucinous type
Ireland (Bon Secours Tralee) - Bronchioalveolar carcinoma
Ireland (Kerry General Hospital) - Adenocarcinoma, lepidic pattern with DIP
Ireland (Mayo General Hospital) - Bronchioalveolar adenocarcinoma, mucinous type
Japan (Asahi General Hospital) - Bronchioalveolar
Japan (Lions Mansion Nijyo) - Bronchioalveolar carcinoma, mucinous subtype
Japan (University of Yamanashi) - Mucinous BAC
Japan (Wakayama Medical University) - Bronchioalveolar carcinoma, mucinous type
Oman (Khoula Hospital) - Bronchioalveolar carcinoma (mucinous type) (1)
Spain (CHUVI Hospital) - Invasive mucinous adenocarcinoma
Tokyo, Setagaya-Ku - Mucinous carcinoma

Case 4 - Diagnosis:

Bronchioalveolar carcinoma, mucinous type, lung

Case 4 - References:

Bronchioalveolar carcinoma and the significance of invasion: predicting biologic behavior. *Arch Pathol Lab Med* 2010; Oct;134(10): p1450-4. Schmidt L; Myers J

Non-mucinous and mucinous subtypes of adenocarcinoma with bronchioloalveolar carcinoma features differ by biomarker expression and in the response to gefitinib. *Lung Cancer* 2010; May;68(2): p185-91. Wislez M; Antoine M, et al.

Mucinous and nonmucinous bronchioloalveolar carcinoma and smoking. *Am J Clin Pathol* 2010; Feb;133(2): p341-2. Garfield D.

Cytodiagnostic aspects of bronchioloalveolar carcinoma manifesting with small cell morphology on respiratory specimens: a case report. *Acta Cytol* 2010; Sep-Oct;54(5 Suppl): p1018-22. Siddaraju N; Yedlapati GK, et al.

Small peripheral lung adenocarcinoma: clinicopathological features and surgical treatment. *Surg Today* 2010; Mar;40(3): p191-8. Fukui T; Mitsudomi T.

Case No. 5, Accession No. 31963

October 2014

Alameda (Alameda County Medical Center) - Congenital cystic adenomatoid malformation (6)

Fontana (Kaiser Permanente) - Congenital cystic adenomatoid malformation

Glendale - Congenital adenomatoid malformation

Hayward/Fremont - Cystic adenomatoid malformation

Orinda (Kaiser Permanente) - Congenital adenomatoid malformation

San Francisco (San Francisco General Hospital) - Pulmonary sequestration

San Jose - Cystic adenomatoid malformation

Santa Barbara (Miramonte Laboratory) - Sequestration

Torrence (Harbor-UCLA Medical Center Residents) - Congenital pulmonary airway malformation, type 2 (2)

Woodland Hills (Southern California Permanente Medical Group) - Clear cell carcinoma

Arkansas (Associated Pathologists Laboratory) - Congenital cystic adenomatoid malformation

Colorado, Fort Collins - Pulmonary blastoma

Florida (Gastroenterology Associates of Ocala) - Bronchogenic cyst

Georgia (Wellstar Health System) - Congenital pulmonary adenomatoid malformation (3); Cystic adenomatoid malformation (1)

Georgia, Atlanta - Adenomatoid congenital cystic malformation

Illinois (Heartland Regional Medical Center) - Congenital cystic adenomatoid malformation

Iowa (Allen Memorial Hospital) - Congenital cystic adenomatoid malformation

Michigan (William Beaumont Hospital) - Congenital pulmonary airway malformation

Minnesota (Fairview Ridge Hospital) - Congenital cystic adenomatoid malformation

Missouri (Washington University in St. Louis) - Bronchopulmonary sequestration

Nebraska (Creighton University Medical Center) - Congenital cystic adenomatoid malformation, type II

New York (SUNY Downstate Medical Center) - CPAM

Ohio (Cleveland Clinic) - Congenital cystic adenomatoid malformation

Ohio, Union Town - Congenital adenomatoid malformation

Ohio (University of Toledo Medical Center) - Congenital cystic adenomatoid malformation, type II

Pennsylvania (Lehigh Valley Hospital) - Cystic adenomatous transformation

Puerto Rico (University of Puerto Rico) - Congenital pulmonary airway malformation, type 1

South Carolina (Medical University of South Carolina) - Congenital cystic pulmonary adenomatoid malformation

Texas, Crystal Beach - Bronchiectasis segmented congenital

Texas, Lubbock - Congenital adenomatoid tumor

West Virginia (Greenbrier Valley Medical Center) - Bronchogenic cyst

Wisconsin, Milwaukee - Congenital cystic adenomatoid malformation

Australia (Royal Hobart Hospital) - Cystic adenomatoid malformation (2)

Canada (Pasqua Hospital) - Congenital adenomatoid malformation

India (Sri Siddhartha Medical College) - Congenital cystic adenomatoid transformation

Ireland (Bon Secours Tralee) - Congenital cystic adenomatoid malformation

Ireland (Kerry General Hospital) - Cystic adenomatoid transformation

Ireland (Mayo General Hospital) - Congenital pulmonary airway malformation (CPAM)
Japan (Asahi General Hospital) - Congenital cystic adenomatoid malformation
Japan (Lions Mansion Niijo) - Congenital cystic adenomatoid malformation
Japan (University of Yamanashi) - Congenital pulmonary airway malformation, type 1
Japan (Wakayama Medical University) - Pleuropulmonary blastoma, type I
Oman (Khoula Hospital) - Cystic adenomatoid malformation
Spain (CHUVI Hospital) - Cystic adenomatoid transformation
Tokyo, Setagaya-Ku - Alveolar adenoma

Case 5 - Diagnosis:

Congenital cystic pulmonary adenomatoid malformation

Case 5 - References:

Association of three different congenital malformations in a same pulmonary lobe in a 5-year-old girl. *Pediatr Pulmonol* 2010; Aug;45(8): p832-5. Carsin A; Mely L, et al.
Pulmonary congenital cystic disease in adults. Spiral computed tomography findings with pathologic correlation and management. *Radiol Med* 2010; Jun;115(4): p539-50. Scialpi M; Cappabianca S, et al.
Bilateral congenital cystic adenomatoid malformation, stocker type III with associated findings and review of literature. *Indian J Pathol Microbiol* 2010; Apr-Jun;53(2): p331-3. Annam V; Korishetty SI, et al.
Congenital cystic adenomatoid malformation of lung type 1. *J Pediatr Surg* 2010; Feb;45(2): pe25-8. Mathai AM; Kini H, et al.
Is congenital cystic adenomatoid malformation a premalignant lesion for pleuropulmonary blastoma? *J Pediatr Surg* 2010; Jun;45(6): p1086-9. Nasr A; Himidan S, et al.

Case No. 6, Accession No. 8921

October 2014

Alameda (Alameda County Medical Center) - Mucinous adenocarcinoma (6)
Fontana (Kaiser Permanente) - Adenocarcinoma
Glendale - Adenocarcinoma
Hayward/Fremont - Mucinous adenocarcinoma (brain tissue also)
Orinda (Kaiser Permanente) - Invasive adenocarcinoma
San Francisco (San Francisco General Hospital) - Pulmonary adenocarcinoma
San Jose - Adenocarcinoma
Santa Barbara (Miramonte Laboratory) - Mucinous carcinoma
Torrence (Harbor-UCLA Medical Center Residents) - Malignant teratoma (2)
Woodland Hills (Southern California Permanente Medical Group) - Adenocarcinoma with mucinous features, ectopic glial tissue
Arkansas (Associated Pathologists Laboratory) - Invasive adenocarcinoma
Colorado, Fort Collins - Bronchogenic adenocarcinoma
Florida (Gastroenterology Associates of Ocala) - Mucinous adenocarcinoma
Georgia (Wellstar Health System) - Adenocarcinoma (3); Adenocarcinoma with lepidic and acinar growth patterns (1)
Georgia, Atlanta - Mucinous adenocarcinoma, metastatic to brain
Illinois (Heartland Regional Medical Center) - Adenocarcinoma (cerebral tissue also present)
Iowa (Allen Memorial Hospital) - Invasive adenocarcinoma acinar and papillary patterns
Michigan (William Beaumont Hospital) - Invasive adenocarcinoma with mucin production
Minnesota (Fairview Ridge Hospital) - Adenocarcinoma, acinar and papillary patterns
Missouri (Washington University in St. Louis) - Adenocarcinoma, separate portion of benign tissue
Nebraska (Creighton University Medical Center) - Invasive adenocarcinoma (predominantly acinar)
New York (SUNY Downstate Medical Center) - Adenocarcinoma with mucinous and acinar features

Ohio (Cleveland Clinic) - Mucinous adenocarcinoma with mixed papillary and acinar growth pattern
Ohio, Union Town - Adenocarcinoma
Ohio (University of Toledo Medical Center) - Mucinous adenocarcinoma (brain tissue floater or teratoma)
Pennsylvania (Lehigh Valley Hospital) - Adenocarcinoma
Puerto Rico (University of Puerto Rico) - Adenosquamous carcinoma of the lung
South Carolina (Medical University of South Carolina) - Mucinous adenocarcinoma
Texas, Crystal Beach - Adenocarcinoma papillary with bronchioalveolar features
Texas, Lubbock - Adenocarcinoma
West Virginia (Greenbrier Valley Medical Center) - Mucous producing adenocarcinoma
Wisconsin, Milwaukee - Mucinous carcinoma
Australia (Royal Hobart Hospital) - Mucinous adenocarcinoma, metastasis to be excluded (1); acinar adenocarcinoma (1)
Canada (Pasqua Hospital) - Adenocarcinoma
India (Sri Siddhartha Medical College) - Adenocarcinoma mucin producing/papillary
Ireland (Bon Secours Tralee) - Adenocarcinoma with glial tissue
Ireland (Kerry General Hospital) - Pulmonary adenocarcinoma
Ireland (Mayo General Hospital) - Papillary mucinous adenocarcinoma, brain tissue
Japan (Asahi General Hospital) - Mucinous adenocarcinoma
Japan (Lions Mansion Nijyo) - Mucoepidermoid carcinoma, high grade
Japan (University of Yamanashi) - Adenocarcinoma, mixed subtype (1); Mucinous carcinoma (1)
Japan (Wakayama Medical University) - Colloid carcinoma
Oman (Khoulia Hospital) - Mucinous adenocarcinoma
Spain (CHUVI Hospital) - Invasive mucin-producing adenocarcinoma
Tokyo, Setagaya-Ku - Adenocarcinoma

Case 6 - Diagnosis:

Mucin-secreting adenocarcinoma, lung

Case 6 - References:

Pure mucinous breast carcinoma with lung metastasis in a young male patient. *Am Surg* 2010; Aug;76(8): pE146.
 Kertmen N; Dogan E; Altundag K.
 Primary signet-ring cell carcinoma of the lung: a report of 2 cases. *Acta Cytol* 2010; Sep-Oct;54(5 Suppl): p771-4.
 Nakamura M; Motosugi U; Shimizu Y; Kamakura Y; Hasegawa S; Kamada K; Sannohe S; Ogawa F; Yasuda M; Shimizu M
 Mixed adenocarcinomas of the lung: place in new proposals in classification, mandatory for target therapy. *Arch Pathol Lab Med* 2010; Jan;134(1): p55-65. Chilosi M; Murer B.
 Mucinous bronchioloalveolar carcinoma of lung with a rhabdoid component--report of a case and review of the literature. *Histopathology* 2007; Sep;51(3): p427-30. Song DE; Jang SJ; Black J; Ro JY.
 Mucinous (colloid) adenocarcinoma of the lung. *Arch Pathol Lab Med* 2005; Jan;129(1): p121-2. Brownlee NA; Mott RT; Mahar A; Roggli VL.
 Mucinous (so-called colloid) carcinoma of the lung. *Am J Surg Pathol* 2004; Oct;28(10): p1397; author reply 1397. Melamed MR.
 Pulmonary adenocarcinoma: the expanding spectrum of histologic variants. *Arch Pathol Lab Med* 2006; Jul;130(7): p958-62. Moran CA.

Case No. 7, Accession No. 31709

October 2014

Alameda (Alameda County Medical Center) - Metastatic adenocarcinoma, favor thyroid primary (6)
Fontana (Kaiser Permanente) - Papillary carcinoma, metastatic thyroid
Glendale - Adenocarcinoma

Hayward/Fremont - Papillary carcinoma, tall cell thyroid type
Orinda (Kaiser Permanente) - Metastatic tall cell variant of papillary thyroid carcinoma
San Francisco (San Francisco General Hospital) - Metastatic intestine adenocarcinoma
San Jose - Metastatic adenocarcinoma
Santa Barbara (Miramonte Laboratory) - Metastatic papillary carcinoma
Torrence (Harbor-UCLA Medical Center Residents) - Metastatic papillary carcinoma (2)
Woodland Hills (Southern California Permanente Medical Group) - Metastatic papillary thyroid carcinoma
Arkansas (Associated Pathologists Laboratory) - Metastatic adenocarcinoma
Colorado, Fort Collins - Tall cell variant papillary thyroid carcinoma
Florida (Gastroenterology Associates of Ocala) - Papillary carcinoma favor thyroid/rule out epithelioid mesothelioma
Georgia (Wellstar Health System) - Papillary adenocarcinoma (1); Metastatic adenocarcinoma vs. metastatic pulmonary carcinoma of thyroid (2); Metastatic thyroid carcinoma (1)
Georgia, Atlanta - Adenocarcinoma
Illinois (Heartland Regional Medical Center) - Metastatic carcinoma consistent with thyroid papillary carcinoma
Iowa (Allen Memorial Hospital) - Metastatic adenocarcinoma, suggestive of papillary thyroid carcinoma
Michigan (William Beaumont Hospital) - Metastatic papillary thyroid carcinoma
Minnesota (Fairview Ridge Hospital) - Metastatic papillary carcinoma of the thyroid
Missouri (Washington University in St. Louis) - Metastatic papillary thyroid cancer, tall cell variant
Nebraska (Creighton University Medical Center) - Metastatic papillary thyroid carcinoma
New York (SUNY Downstate Medical Center) - Papillary thyroid carcinoma
Ohio (Cleveland Clinic) - Metastatic papillary thyroid carcinoma
Ohio, Union Town - Mesothelioma vs. adenocarcinoma
Ohio (University of Toledo Medical Center) - Metastatic papillary thyroid carcinoma, tall cell variant
Pennsylvania (Lehigh Valley Hospital) - Adenocarcinoma vs. mesothelioma
Puerto Rico (University of Puerto Rico) - Metastatic carcinoma, favor thyroid primary
South Carolina (Medical University of South Carolina) - Metastatic papillary thyroid carcinoma
Texas, Crystal Beach - Adenocarcinoma metastatic vs. mesothelioma
Texas, Lubbock - Metastatic adenocarcinoma
West Virginia (Greenbrier Valley Medical Center) - Metastatic adenocarcinoma
Wisconsin, Milwaukee - Metastatic papillary carcinoma
Australia (Royal Hobart Hospital) - Metastatic papillary thyroid carcinoma (2)
Canada (Pasqua Hospital) - Tall cell papillary carcinoma of thyroid
India (Sri Siddhartha Medical College) - Metastatic adenocarcinoma, colon
Ireland (Bon Secours Tralee) - Epithelioid mesothelioma
Ireland (Kerry General Hospital) - Metastatic adenocarcinoma
Ireland (Mayo General Hospital) - Metastatic papillary carcinoma of thyroid
Japan (Asahi General Hospital) - Metastatic papillary thyroid carcinoma, tall cell variant
Japan (Lions Mansion Nijyo) - Adenocarcinoma, metastatic, possibly from thyroid (follicular variant of papillary carcinoma)
Japan (University of Yamanashi) - Adenocarcinoma, favor metastasis (papillary thyroid carcinoma)
Japan (Wakayama Medical University) - Metastatic thyroid papillary carcinoma, tall cell variant
Oman (Khoula Hospital) - Metastatic papillary carcinoma thyroid
Spain (CHUVI Hospital) - Metastatic adenocarcinoma (primary in thyroid gland)
Tokyo, Setagaya-Ku - Metastatic adenocarcinoma, pancreatic origin

Case 7 - Diagnosis:

Metastatic papillary carcinoma of thyroid, pleura

Case 7 - References:

- Fine needle aspiration of follicular variant of papillary thyroid carcinoma presenting with pleural effusion: a case report. *Acta Cytol* 2007; Nov-Dec;51(6): p911-5. Siddaraju N; Viswanathan VK, et al.
- Spontaneous pneumothorax in metastatic thyroid papillary carcinoma. *J Clin Oncol* 2007; Jun 20;25(18): p2616-8. Lee MJ; Kim EK, et al.
- A solitary metastatic lung tumor from thyroid papillary carcinoma diagnosed by endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA): report of a case. *Surg Today* 2008; 38(1): p46-8. Sakairi Y; Yasufuku K, et al.
- Cytopathological spectrum of unusual malignant pleural effusions at a tertiary care centre in north India. *Cytopathology* 2007; Feb;18(1): p28-32. Awasthi A; Gupta N, et al.
- Observer variation in the diagnosis of follicular variant of papillary thyroid carcinoma. *Am J Surg Pathol* 2004; Oct;28(10): p1336-40. Chan JK; De Lellis RA; Harach HR; Kakudo K; Li Volsi VA; Rosai J; Sebo TJ, et al.

Case No. 8, Accession No. 28801

October 2014

- Alameda (Alameda County Medical Center) - Mesothelioma (6)
- Fontana (Kaiser Permanente) - Sarcomatoid mesothelioma
- Glendale - Carcinoma
- Hayward/Fremont - Metaplastic carcinoma
- Orinda (Kaiser Permanente) - Teratoma mesothelioma vs synovial sarcoma vs. spindle cell carcinoma
- San Francisco (San Francisco General Hospital) - Epithelioid sarcoma, proximal type
- San Jose - Sarcomatoid carcinoma
- Santa Barbara (Miramonte Laboratory) - Mesothelioma
- Torrence (Harbor-UCLA Medical Center Residents) - Fibrosarcoma (2)
- Woodland Hills (Southern California Permanente Medical Group) - Mesothelioma
- Arkansas (Associated Pathologists Laboratory) - Mesothelioma, spindle cell type
- Colorado, Fort Collins - Solitary fibrous tumor
- Florida (Gastroenterology Associates of Ocala) - MFH
- Georgia (Wellstar Health System) - Spindle cell carcinoma vs. synovial sarcoma (1); Synovial sarcoma vs. spindle cell carcinoma (1); Sarcomatoid carcinoma (1)
- Georgia, Atlanta - Sarcomatoid mesothelioma
- Illinois (Heartland Regional Medical Center) - Sarcomatoid carcinoma consider sarcomatoid mesothelioma
- Iowa (Allen Memorial Hospital) - Sarcomatoid carcinoma
- Michigan (William Beaumont Hospital) - Sarcomatoid carcinoma vs. mesothelioma
- Minnesota (Fairview Ridge Hospital) - Sarcomatoid mesothelioma
- Missouri (Washington University in St. Louis) - Sarcomatoid carcinoma
- Nebraska (Creighton University Medical Center) - Sarcomatoid mesothelioma
- New York (SUNY Downstate Medical Center) - Sarcomatoid malignant mesothelioma
- Ohio (Cleveland Clinic) - Sarcomatoid mesothelioma
- Ohio, Union Town - Synovial sarcoma
- Ohio (University of Toledo Medical Center) - Sarcomatoid carcinoma
- Pennsylvania (Lehigh Valley Hospital) - Sarcomatoid carcinoma vs. mesothelioma
- Puerto Rico (University of Puerto Rico) - Synovial sarcoma vs. sarcomatoid carcinoma vs. spindle cell mesothelioma
- South Carolina (Medical University of South Carolina) - Sarcomatoid mesothelioma
- Texas, Crystal Beach - Sarcomatoid carcinoma
- Texas, Lubbock - Sarcomatoid adenocarcinoma renal primary
- West Virginia (Greenbrier Valley Medical Center) - Synovial sarcoma
- Wisconsin, Milwaukee - Sarcomatoid carcinoma
- Australia (Royal Hobart Hospital) - Sarcomatoid carcinoma (1); Sarcomatoid mesothelioma (1)
- Canada (Pasqua Hospital) - Mesothelioma

India (Sri Siddhartha Medical College) - Sarcoma/carcinosarcoma
Ireland (Bon Secours Tralee) - Sarcomatoid mesothelioma
Ireland (Kerry General Hospital) - Sarcomatoid carcinoma
Ireland (Mayo General Hospital) - Sarcomatoid carcinoma
Japan (Asahi General Hospital) - Sarcomatoid carcinoma
Japan (Lions Mansion Nijyo) - Malignant mesothelioma
Japan (University of Yamanashi) - Sarcomatoid mesothelioma
Japan (Wakayama Medical University) - Spindle cell carcinoma
Oman (Khoula Hospital) - Sarcomatoid mesothelioma
Spain (CHUVI Hospital) - Sarcomatoid mesothelioma (vs. lung sarcomatoid carcinoma)
Tokyo, Setagaya-Ku - Carcinosarcoma

Case 8 - Diagnosis:

Sarcomatoid carcinoma, immunophenotypically suggestive of renal origin (Consultant: Dr. Sharon Weiss)

Case 8 - References:

Sarcomatoid renal cell carcinoma: an examination of underlying histologic subtype and an analysis of associations with patient outcome. *Am J Surg Pathol* 2004; Apr;28(4): p435-41. Cheville JC; Lohse CM, et al.
 Squamous differentiation in a sarcomatoid chromophobe renal cell carcinoma: an unusual Case report with review of the literature. *Arch Pathol Lab Med* 2008; Oct;132(10): p1672-4. Viswanathan S; Desai SB; Prabhu SR; Amin MB
 The evolution of collagen expression in sarcomatoid renal cell carcinoma. *Hum Pathol* 2007; Sep;38(9): p1372-7. Delahunt B; Bethwaite PB, et al.
 Sarcomatoid renal cell carcinoma in a young adult. *Pathologica* 2006; Jun;98(3): p181-3. Kourda N; Zeddini A, et al.
 Sarcomatoid chromophobe renal cell carcinoma. A case report and review of the literature. *Arch Esp Urol* 2006; Mar;59(2): p209-14. Parada D; Pena K; Moreira O.
 Sarcomatoid renal cell carcinoma with divergent sarcomatoid growth patterns: a case report and review of the literature. *Arch Pathol Lab Med* 2005; Aug;129(8): p1057-60. Li L; Teichberg S, et al.
 Sarcomatoid differentiation as a prognostic factor for immunotherapy in metastatic renal cell carcinoma. *J Surg Oncol* 2007; Mar 15;95(4): p317-23. Kwak C; Park YH, et al.

Case No. 9, Accession No. 5414

October 2014

Alameda (Alameda County Medical Center) - Adenocarcinoma (6)
Fontana (Kaiser Permanente) - Adenocarcinoma
Glendale - Adenocarcinoma
Hayward/Fremont - Carcinoma nos, possible neuroendocrine
Orinda (Kaiser Permanente) - Metastatic choriocarcinoma
San Francisco (San Francisco General Hospital) - Mixed adenosquamous carcinoma
San Jose - Pleomorphic giant cell carcinoma
Santa Barbara (Miramonte Laboratory) - Bronchioloalveolar carcinoma
Torrence (Harbor-UCLA Medical Center Residents) - Pleomorphic carcinoma with extensive necrosis (2)
Woodland Hills (Southern California Permanente Medical Group) - Adenocarcinoma
Arkansas (Associated Pathologists Laboratory) - Giant cell carcinoma
Colorado, Fort Collins - Adenocarcinoma, NOS
Florida (Gastroenterology Associates of Ocala) - Adenocarcinoma, poorly differentiated (alveolar pattern) metastatic
Georgia (Wellstar Health System) - Favor squamous cell carcinoma (2); Large, giant cell carcinoma (1); Pleomorphic carcinoma (1)
Georgia, Atlanta - Pleomorphic, giant cell carcinoma
Illinois (Heartland Regional Medical Center) - Adenocarcinoma
Iowa (Allen Memorial Hospital) - Giant cell carcinoma with adenocarcinoma

Michigan (William Beaumont Hospital) - Invasive adenocarcinoma
Minnesota (Fairview Ridge Hospital) - Adenocarcinoma, lymphangitic spread
Missouri (Washington University in St. Louis) - Adenocarcinoma metastatic to a lymph node
Nebraska (Creighton University Medical Center) - Large cell carcinoma
New York (SUNY Downstate Medical Center) - Adenocarcinoma
Ohio (Cleveland Clinic) - Metastatic adenocarcinoma
Ohio, Union Town - Metastatic adenocarcinoma
Ohio (University of Toledo Medical Center) - Metastatic adenocarcinoma with giant cell features
Pennsylvania (Lehigh Valley Hospital) - Poorly differentiated carcinoma vs. metastatic germ cell tumor
Puerto Rico (University of Puerto Rico) - Giant cell carcinoma of the lung vs. choriocarcinoma
South Carolina (Medical University of South Carolina) - Teratoma
Texas, Crystal Beach - Adenocarcinoma metastatic
Texas, Lubbock - Adenocarcinoma
West Virginia (Greenbrier Valley Medical Center) - Adenocarcinoma, NOS
Wisconsin, Milwaukee - Adenosquamous carcinoma
Australia (Royal Hobart Hospital) - Metastatic poorly differentiated adenocarcinoma (1); Metastatic adenocarcinoma consistent with lung primary (1)
Canada (Pasqua Hospital) - Adenosquamous carcinoma
India (Sri Siddhartha Medical College) - Metastatic, germ cell tumor
Ireland (Bon Secours Tralee) - Adenosquamous carcinoma
Ireland (Kerry General Hospital) - Choriocarcinoma vs. large cell undifferentiated carcinoma
Ireland (Mayo General Hospital) - Poorly differentiated squamous cell carcinoma
Japan (Asahi General Hospital) - Adenocarcinoma
Japan (Lions Mansion Nijyo) - Undifferentiated carcinoma consistent with large cell carcinoma
Japan (University of Yamanashi) - Adenocarcinoma, favor metastasis
Japan (Wakayama Medical University) - Metastatic adenocarcinoma
Oman (Khoula Hospital) - Metastatic adenocarcinoma
Spain (CHUVI Hospital) - High grade carcinoma
Tokyo, Setagaya-Ku - Adenocarcinoma, cholangiocarcinoma

Case 9 - Diagnosis:

Anaplastic large cell carcinoma (giant cell carcinoma), lung

Case 9 - References:

Pulmonary large cell carcinoma with rhabdoid phenotype. *Ann Diagn Pathol* 2005; Aug;9(4): p223-6. Yilmazbayhan D; Ates LE, et al.
 Lung carcinoma with rhabdoid component. A series of seven cases associated with uncommon types of non-small cell lung carcinomas and alveolar entrapment. *Histol Histopathol* 2010; Oct;25(10): p1287-95. Izquierdo-Garcia FM; Moreno-Mata N, et al.
 Lymph node metastasis of large-cell carcinoma of the lung in a seventeen-year-old patient: diagnosis by fine-needle aspiration. *Diagn Cytopathol* 2006; Dec;34(12): p852-3. Kasuganti D; Cimbalk D; Gattuso P.
 Mixed squamous and large-cell carcinoma of the lung: a case study and literature review. *J Cancer Res Ther* 2012; Jul-Sep;8(3): p445-7. Katsenos S; Karachaliou I; Archondakis S.
 Heterogeneity of large cell carcinoma of the lung: an immunophenotypic and miRNA-based analysis. *Am J Clin Pathol* 2011; Nov;136(5): p773-82. Barbareschi M; Cantaloni C, et al.

Alameda (Alameda County Medical Center) - Necrotizing granulomas, consistent with silicosis (6)
Fontana (Kaiser Permanente) - Necrotizing granuloma
Glendale - Necrotizing granuloma
Hayward/Fremont - Granulomatous pneumonitis (TBC, sarcoid hard metal differential)
Orinda (Kaiser Permanente) - Pneumoconiosis
San Francisco (San Francisco General Hospital) - Caseating granulomas
San Jose - Necrotizing granulomatous inflammation
Santa Barbara (Miramonte Laboratory) - Silicosis
Torrence (Harbor-UCLA Medical Center Residents) - Chronic berylliosis (2)
Woodland Hills (Southern California Permanente Medical Group) - Necrotizing granulomatous inflammation
Arkansas (Associated Pathologists Laboratory) - Berylliosis
Colorado, Fort Collins - Granulomatous pneumonitis
Florida (Gastroenterology Associates of Ocala) - Granulomatous angitis consistent with Wegener granulomatosis
Georgia (Wellstar Health System) - Granulomatous inflammation (1); Necrotizing granuloma, rule out infection (1);
Pneumococcosis, silicosis (1); Silicosis (1)
Georgia, Atlanta - Necrotizing granulomatous inflammation
Illinois (Heartland Regional Medical Center) - Necrotizing granuloma
Iowa (Allen Memorial Hospital) - Necrotizing sarcoid granulomatosis (rule out infection)
Michigan (William Beaumont Hospital) - Necrotizing granulomatous inflammation
Minnesota (Fairview Ridge Hospital) - Necrotizing granulomatous inflammation
Missouri (Washington University in St. Louis) - Pneumococcosis
Nebraska (Creighton University Medical Center) - Pneumococcosis
New York (SUNY Downstate Medical Center) - Silicotuberculosis
Ohio (Cleveland Clinic) - Infectious granulomas
Ohio, Union Town - Granulomas (rheumatoid pneumoconiosis)
Ohio (University of Toledo Medical Center) - Pneumococcosis
Pennsylvania (Lehigh Valley Hospital) - Granulomatous inflammation due to heavy metal exposure
Puerto Rico (University of Puerto Rico) - Granulomatous disease, favor tuberculosis
South Carolina (Medical University of South Carolina) - Angiofibroma
Texas, Crystal Beach - Caseating granuloma
Texas, Lubbock - Necrotizing granulomatous inflammation
West Virginia (Greenbrier Valley Medical Center) - Beryllium granuloma
Wisconsin, Milwaukee - Necrotizing epithelioid granulomas, rule out infectious etiology
Australia (Royal Hobart Hospital) - Necrotizing granulomatous inflammation, histoplasmosis (2)
Canada (Pasqua Hospital) - Occupational lung granulomas
India (Sri Siddhartha Medical College) - Silicotic nodules
Ireland (Bon Secours Tralee) - Necrotizing sarcoidosis
Ireland (Kerry General Hospital) - Lung silicosis
Ireland (Mayo General Hospital) - Berylliosis
Japan (Asahi General Hospital) - Pneumoconiosis
Japan (Lions Mansion Nijyo) - Necrotizing palisaded granulomas suggestive of rheumatoid nodule (Caplans syndrome)
Japan (University of Yamanashi) - Pulmonary granuloma, favor tuberculosis (1); Favor silicosis (1)
Japan (Wakayama Medical University) - Pneumoconiosis
Oman (Khoulia Hospital) - Granulomatous inflammation/Sarcoidosis (1); Pneumoconiosis (1)
Spain (CHUVI Hospital) - Silicotic nodules
Tokyo, Setagaya-Ku - Pneumoconiosis

Case 10 - Diagnosis:

Granulomatous pneumonitis suggestive of silicosis

Case 10 - References:

Silicosis. *Lancet* 2012; May 26;379(9830): p2008-18. Leung CC; Yu IT; Chen W.

Silica in oral drugs as a possible sarcoidosis-inducing antigen. *Lancet* 2009; Jun 6;373(9679): p1943-4. Sola R; Boj M, et al.

Silicosis in denim sandblasters. *Chest* 2011; Nov;140(5): p1300-4. Bakan ND; Ozkan G, et al.

Silicosis mortality with respiratory tuberculosis in the United States, 1968-2006; *Am J Epidemiol* 2011; Oct 1;174(7): p839-48. Nasrullah M; Mazurek JM, et al.

Chronic interstitial pneumonia in silicosis and mix-dust pneumoconiosis: its prevalence and comparison of CT findings with idiopathic pulmonary fibrosis. *Chest* 2007; Jun;131(6): p1870-6. Arakawa H; Johkoh T, et al.

Silicosis in dental laboratory technicians--five states, 1994-2000. *MMWR Morb Mortal Wkly Rep* 2004; Mar 12;53(9): p195-7.

Highway repair: a new silicosis threat. *Am J Public Health* 2004; May;94(5): p876-80. Valiante DJ; Schill DP, et al.

Further evidence for a link between silica dust and esophageal cancer. *Int J Cancer* 2005; Apr 10;114(3): p479-83. Yu IT; Tse LA, et al.