SUGGESTED READING (General Topics from Recent Literature):


FILE DIAGNOSES

CTTR Subscription A May 2015

Case 1: Neuroblastoma with extensive maturation / ganglioneuroblastoma, adrenal

Case 2: Pleomorphic adenoma (mixed tumor), left parapharyngeal

Case 3: Hashimoto thyroiditis, thyroid

Case 4: Immature teratoma, thyroid

Case 5: Lithium-associated diffuse thyroiditis and goiter

Case 6: Papillary carcinoma, classic variant, thyroid

Case 7: Minimally invasive (micro-invasive) follicular carcinoma, thyroid

Case 8: Follicular “Hurthle cell” carcinoma, thyroid

Case 9: Medullary carcinoma, thyroid

Case 10: Undifferentiated (anaplastic) carcinoma, thyroid
Case No. 1, Accession No. 31764

Bishop (Northern Inyo Hospital) - Ganglioneuroma
Camarillo, Ca (St Johns Regional) - Ganglioneuroblastoma
Fontana (Kaiser Foundation Hospital) - Ganglioneuroma
Glendale - Ganglioneuroblastoma
Lakewood - Adrenal, Neuroblastoma
Livermore - Ganglioneuroblastoma
Loma Linda (LLU Residents) - Ganglioneuroma
Long Beach (Long Beach VA) - Neuroblastoma
Oakland (ACMC) – Ganglioneuroblastoma (6)
Palo Alto (VA Palo Alto) – Ganglioneuroma
San Francisco (San Francisco General Hospital) - Ganglioneuroma
San Francisco (UCSF) - Ganglioneuroma
Santa Barbara (Miramonte Laboratory) - Ganglioneuroma
Woodland Hills (Kaiser Permanente) - Ganglioneuroblastoma
Arkansas, El Dorado (Associated Path Lab) – Ganglioneuroblastoma
Colorado, Fort Collins - Ganglioneuroma
Delaware, Newark (AFMES) – Ganglioneuroblastoma
Florida (Munroe Hospital - Ganglioneuroma
Florida (GastroEnterology Associates of Ocala) - Ganglioneuroblastoma
Georgia, Atlanta - Ganglioneuroblastoma
Georgia (Wellstar Healthcare System) - Ganglioneuroblastoma (4)
Illinois (Heartland Regional Medical Center) - Ganglioneuroblastoma
Iowa (Allen Memorial Hospital) - Ganglioneuroblastoma
Kansas (Peterson Labs) – Ganglioneuroblastoma (2)
Louisiana (LSUHC) - Ganglioneuroma
Maryland (University of Maryland Medical System) - Ganglioneuroblastoma, schwannian stroma rich
Minnesota (Fairview Ridges Hospital) - Ganglioneuroblastoma
Mississippi (The University of Mississippi Medical Center) - Ganglioneuroblastoma
Nebraska (Creighton University Medical Center) - Ganglioneuroblastoma
North Carolina (Eastern Carolina Pathology) – Pheochromocytoma
North Carolina, Clemmons – Ganglioneuroblastoma
Ohio, (Summa Health Residents) – Ganglioneuroblastoma (2) v Ganglioneuroma (2)
Ohio, Toledo – Ganglioneuroblastoma
Ohio, Union Town - Ganglioneuroma
Pennsylvania (Drexel University College of Medicine Residents) - Ganglioneuroma
Pennsylvania (Lehigh Valley Hospital) - Ganglioneuroma
Puerto Rico (University of Puerto Rico) – Intermixed ganglioneuroblastoma
Texas, Crystal Beach - Neuroblastoma
Texas, Lubbock - Ganglioneuroblastoma
Texas (Baylor Scott & White) – Ganglioneuroma vs mostly differentiated ganglioneuroblastoma
Washington (Sound Pathology Associates) – Differentiating neuroblastoma
West Virginia (Greenbrier Valley Medical Center) - Ganglioneuroma
Australia (Royal Hobart Hospital) - Ganglioneuroma
Australia (Royal Prince Alfred Hospital) - Ganglioneuroblastoma
Ireland (Bon Secours Hospital) – Ganglioneuroma
Ireland (Kerry General Hospital) - Ganglioneuroblastoma
Ireland (Mayo General Hospital) - Ganglioneuroma
Japan (Asahi General Hospital) - Ganglioneuroma
Japan (Lions Mansion) – Ganglioneuroma, schwannian stroma-dominant, mature, left adrenal
Japan - Ganglioneuroma
Oman (Khoula Hospital) - Ganglioneuroma
Spain (CHIVI Hospital) - Ganglioneuroblastoma

**Case 1 - Diagnosis:** Neuroblastoma with extensive maturation / ganglioneuroblastoma, adrenal
Case 1 - References:

A composite pheochromocytoma/ganglioneuroblastoma of the adrenal gland.  
Pediatr Blood Cancer 2010 Jul 1;54(7): p1032-4  
Thiel EL; Trost BA; Tower RL

Adult-onset adrenal ganglioneuroblastoma - Bone metastasis two years after surgery: report of a case.  
Surg Today 2010 May;40(5): p482-6  
Mizuno S; Iida T; Fujita S

Thymoma with ganglioneuroblastomatous component: case report.  
Virchows Arch 2008 Mar;452(3): p319-24  
Kashiwabara K; Ikota H, et al.

Retropertoneal ganglioneuroblastoma resected 8 years after mass screening: a case report.  
Nakaoka T; Uemura S, et al.

Life-threatening complications of an extremely rare tumor of the kidney: adult-type primary renal ganglioneuroblastoma.  
Kurt E; Filiz G, et al.

Metastatic ganglioneuroblastoma in head and neck diagnosed by fine needle aspiration: a case report.  
Acta Cytol 2007 May-Jun;51(3): p429-33  
Daneshbod Y; Khojasteh HN, et al.

A rare ganglioneuroblastoma secreting dopamine and the value of its measurement in diagnosis and prognosis.  
Sargazi M; Smith ML, et al.

Case No. 2, Accession No. 31863  
May 2015

Bishop (Northern Inyo Hospital) - Pleomorphic adenoma  
Camarillo, Ca (St Johns Regional) - Mixed tumor  
Fontana (Kaiser Foundation Hospital) - Pleomorphic adenoma  
Glendale - Benign mixed tumor  
Lakewood – Salivary gland, pleomorphic adenoma  
Livermore – Pleomorphic adenoma (with adenoid cystic like areas)  
Loma Linda (LLU Residents) – Pleomorphic adenoma  
Long Beach (Long Beach VA) – Pleomorphic adenoma  
Oakland (ACMC) – Benign mixed tumor (Pleomorphic adenoma) (6)  
Palo Alto (VA Palo Alto) – Pleomorphic adenoma  
San Francisco (San Francisco General Hospital) – Pleomorphic Adenoma  
San Francisco (UCSF) – Pleomorphic adenoma  
Santa Barbara (Miramonte Laboratory) – Pleomorphic adenoma  
Woodland Hills (Kaiser Permanente) – Pleomorphic adenoma  
Arkansas, El Dorado (Associated Path Lab) – Pleomorphic adenoma  
Colorado, Fort Collins - Benign mixed tumor  
Delaware, Newark (AFMES) – Pleomorphic adenoma  
Florida (Munroe Hospital – Pleomorphic adenoma  
Florida (GastroEnterology Associates of Ocala) – Pleomorphic Adenoma  
Georgia, Atlanta - Pleomorphic adenoma  
Georgia (Wellstar Healthcare System) - Pleomorphic adenoma (4)
Illinois (Heartland Regional Medical Center) – Pleomorphic adenoma
Iowa (Allen Memorial Hospital) – Pleomorphic adenoma
Kansas (Peterson Labs) – Pleomorphic adenoma (2)
Louisiana (LSUHC) – Pleomorphic adenoma
Maryland (University of Maryland Medical System) – Mixed tumor
Minnesota (Fairview Ridges Hospital) – Pleomorphic adenoma
Mississippi (The University of Mississippi Medical Center) – Pleomorphic adenoma
Nebraska (Creighton University Medical Center) – Pleomorphic adenoma
North Carolina (Eastern Carolina Pathology) – Pleomorphic adenoma
North Carolina, Clemmons – Pleomorphic adenoma
Ohio, (Summa Health Residents) – Pleomorphic adenoma
Ohio, Toledo – Pleomorphic adenoma
Ohio, Union Town – Pleomorphic adenoma
Pennsylvania (Drexel University College of Medicine Residents) – Pleomorphic adenoma
Pennsylvania (Lehigh Valley Hospital) – Pleomorphic adenoma
Puerto Rico (University of Puerto Rico) – Pleomorphic adenoma
South Carolina (Medical University of South Carolina) –
Texas, Crystal Beach – Cellular mixed tumor salivary gland
Texas, Lubbock – Pleomorphic adenoma
Texas (Baylor Scott & White) – Pleomorphic adenoma
Washington (Sound Pathology Associates) – Pleomorphic adenoma
West Virginia (Greenbrier Valley Medical Center) – Pleomorphic Adenoma
Australia (Royal Hobart Hospital) – Pleomorphic adenoma
Australia (Royal Prince Alfred Hospital) – Pleomorphic adenoma
Ireland (Bon Secours Hospital) – Pleomorphic adenoma
Ireland (Kerry General Hospital) – Pleomorphic salivary adenoma
Ireland (Mayo General Hospital) – Mixed tumor of salivary gland (Pleomorphic Adenoma)
Japan (Asahi General Hospital) – Pleomorphic adenoma
Japan (Lions Mansion) – Pleomorphic adenoma, left parapharyngeal tissue
Japan – Parathyroid adenoma
Oman (Khoula Hospital) – Pleomorphic adenoma
Spain (CHIVI Hospital) – Pleomorphic adenoma

Case 2 - Diagnosis: Pleomorphic adenoma (mixed tumor), left parapharyngeal

Case 2 - References:

Simultaneous pleomorphic adenoma of the left parotid gland and adenoid cystic carcinoma of the contralateral sublingual salivary gland: a case report.
Papadogeorgakis N; Kalfarentzos EF, et al.

Update on selected salivary gland neoplasms.
Arch Pathol Lab Med 2009 Nov;133(11): p1763-74
McHugh JB; Visscher DW; Barnes EL

Recurrence of pleomorphic adenoma of the palate after sixteen years: case report and an analysis of the literature.
Berardi D; Scoccia A, et al.

Pleomorphic adenoma with mucinous and squamous differentiation: a mimicker of mucoepidermoid carcinoma.
Guo SP; Cheuk W; Chan JK

Adenoid cystic carcinoma ex pleomorphic adenoma of the parotid gland.
Head Neck Pathol 2009 Jun;3(2): p159-62
Ide F; Mishima K, et al.
Bishop (Northern Inyo Hospital) – Hashimotos thyroiditis
Camarillo, Ca (St Johns Regional) – Chronic thyroiditis
Fontana (Kaiser Foundation Hospital) – Hashimoto thyroiditis
Glendale – Hashimotos thyroiditis
Lakewood – Hashimotos thyroiditis
Livermore – Hashimoto disease
Loma Linda (LLU Residents) – Goiter involved by chronic lymphocytic thyroiditis (Hashimotos thyroiditis)
Long Beach (Long Beach VA) – Hashimotos thyroiditis
Oakland (ACMC) – Nodular hyperplasia (6)
Palo Alto (VA Palo Alto) – Hashimotos thyroiditis/Chronic lymphocytic thyroiditis
San Francisco (San Francisco General Hospital) – Chronic lymphocytic thyroiditis
San Francisco (UCSF) – Chronic lymphocytic thyroiditis
Santa Barbara (Miramonte Laboratory) – Lymphocytic thyroiditis
Woodland Hills (Kaiser Permanente) – Lymphocytic thyroiditis
Arkansas, El Dorado (Associated Path Lab) – Hashimotos thyroiditis
Colorado, Fort Collins – Lymphocytic thyroiditis
Delaware, Newark (AFMES) – Hashimotos thyroiditis
Florida (Munroe Hospital) – Hashimotos thyroiditis
Florida (GastroEnterology Associates of Ocala) – Chronic lymphocytic thyroiditis “Thyroiditis with hyperplasia”
Georgia (Atlanta) – Lymphocytic thyroiditis
Georgia (Wellstar Healthcare System) – Hashimotos thyroiditis / Lymphocytic thyroiditis (2) / Nodular hyperplasia, thyroiditis
Illinois (Heartland Regional Medical Center) – Adenomatous nodules and Hashimotos thyroiditis
Iowa (Allen Memorial Hospital) – Lymphocytic thyroiditis
Kansas (Peterson Labs) – Lymphocytic thyroiditis / Hashimotos thyroiditis
Louisiana (LSUC) – Nodular goiter
Maryland (University of Maryland Medical System) – Goiter with Hashimotos thyroiditis
Minnesota (Fairview Ridges Hospital) – Hashimotos thyroiditis with nodular hyperplasia
Mississippi (The University of Mississippi Medical Center) – Lymphocytic thyroiditis
Nebraska (Creighton University Medical Center) – Hashimotos thyroiditis
North Carolina (Eastern Carolina Pathology) – Hashimoto thyroiditis
North Carolina, Clemmons – Adenomatoid nodules with lymphocytic thyroiditis
Ohio, (Summa Health Residents) – Chronic lymphocytic thyroiditis
Ohio, Toledo – Hashimomo’s Thyroiditis
Ohio, Union Town – Hashimomo’s Thyroiditis
Pennsylvania (Drexel University College of Medicine Residents) – Lymphocytic thyroiditis
Pennsylvania (Lehigh Valley Hospital) – Goiter with lymphocytic thyroiditis
Puerto Rico (University of Puerto Rico) – Nodular lymphocytic thyroiditis
South Carolina (Medical University of South Carolina) –
Texas, Crystal Beach – Hashimoto thyroiditis
Texas, Lubbock – Hashimoto thyroiditis
Texas (Baylor Scott & White) – Nodular goiter with lymphocytic thyroiditis
Washington (Sound Pathology Associates) – Chronic lymphocytic thyroiditis
West Virginia (Greenbrier Valley Medical Center) – Hashimoto thyroiditis
Australia (Royal Hobart Hospital) – Hashimotos thyroiditis
Australia (Royal Prince Alfred Hospital) – Hashimoto thyroiditis
Ireland (Bon Secours Hospital) – Hashimoto’s thyroiditis
Ireland (Kerry General Hospital) – Lymphocytic thyroiditis
Ireland (Mayo General Hospital) – Lymphocytic / Hashimotos thyroiditis
Japan (Asahi General Hospital) – Hashimoto thyroiditis
Japan (Lions Mansion) – Adenomatous goiter, thyroid
Japan – Nodular hyperplasia
Oman (Khoul Hospital) – Nodular hyperplasia with lymphocytic thyroiditis
Spain (CHIVI Hospital) - Lymphocytic thyroiditis

Case 3 - Diagnosis: Hashimoto thyroiditis, thyroid

Director’s note: We no longer are putting possessives in our diagnoses. For example: it’s now “Hashimoto thyroiditis” not “Hashimoto’s thyroiditis”. Hodgkin’s disease is now “Hodgkin disease”, etc. (drc)

Case 3 - References:

The natural history of euthyroid Hashimoto's thyroiditis in children.
Radetti G; Gottardi E, et al.

Cervical lymphadenopathy associated with Hashimoto's thyroiditis: an analysis of 22 cases by fine needle aspiration cytology.
Paksoy N; Yazal K

Coexistence of chronic lymphocytic leukemia and Hashimoto's thyroiditis.
Beyan C; Kaptan K; Ifran A

Hashimoto's thyroiditis in children and adolescents: a retrospective study on clinical, epidemiological and laboratory properties of the disease.
Demirbilek H; Kandemir N, et al.

Increased incidence of well-differentiated thyroid cancer associated with Hashimoto thyroiditis and the role of the PI3k/Akt pathway.
Larson SD; Jackson LN, et al.

Case No. 4, Accession No. 31969

Bishop (Northern Inyo Hospital) - Thymic mature teratoma
Camarillo, Ca (St Johns Regional) - Wilms tumor
Fontana (Kaiser Foundation Hospital) - Immature teratoma
Glendale - Angioinvasive encapsulated follicular carcinoma
Lakewood – Immature teratoma
Livermore – Immature teratoma, thymus
Loma Linda (LLU Residents) – Benign Mature teratoma
Long Beach (Long Beach VA) – Immature teratoma
Oakland (ACMC) – Immature Teratoma(6)
Palo Alto (VA Palo Alto) – Mature teratoma
San Francisco (San Francisco General Hospital) - Immature Teratoma
San Francisco (UCSF) - Immature teratoma
Santa Barbara (Miramonte Laboratory) - Follicle atrophy
Woodland Hills (Kaiser Permanente) - (Immature) teratoma
Arkansas, El Dorado (Associated Path Lab) – Immature teratoma
Colorado, Fort Collins - Immature teratoma
Delaware, Newark (AFMES) – Immature teratoma
Florida (Munroe Hospital) – Immature teratoma
Florida (GastroEnterology Associates of Ocala) - Malignant teratoma
Georgia, Atlanta - Immature teratoma
Georgia (Wellstar Healthcare System) - Teratoma / Immature teratoma (2)/ Neural neoplasm
Illinois (Heartland Regional Medical Center) - Immature teratoma
Iowa (Allen Memorial Hospital) - Immature teratoma
Kansas (Peterson Labs) – Immature Teratoma (2)
Louisiana (LSUHC) - Teratoma
Maryland (University of Maryland Medical System) - Teratoma
Minnesota (Fairview Ridges Hospital) - Immature teratoma
Mississippi (The University of Mississippi Medical Center) - Immature teratoma
Nebraska (Creighton University Medical Center) - Papillary thyroid carcinoma
North Carolina (Eastern Carolina Pathology) – Thyroglossal duct cyst
North Carolina, Clemmons – Immature teratoma
Ohio, (Summa Health Residents) – Congenital teratoma
Ohio, Toledo – Teratoma, immature
Ohio, Union Town – Congenital teratoma
Pennsylvania (Drexel University College of Medicine Residents) - Immature teratoma
Pennsylvania (Lehigh Valley Hospital) - Teratoma
Puerto Rico (University of Puerto Rico) - Immature teratoma
South Carolina (Medical University of South Carolina) -
Texas, Crystal Beach - Teratoma
Texas, Lubbock - Immature teratoma
Texas (Baylor Scott & White) – Immature teratoma
Washington (Sound Pathology Associates) - Teratoma
West Virginia (Greenbrier Valley Medical Center) - Teratoma
Australia (Royal Hobart Hospital) - Immature teratoma
Australia (Royal Prince Alfred Hospital) - Minimally invasive follicular carcinoma
India (Sri Siddartha Medical College) -
Ireland (Bon Secours Hospital) – Immature teratoma
Ireland (Kerry General Hospital) - Immature teratoma
Ireland (Mayo General Hospital) - Immature teratoma
Japan (Asahi General Hospital) - Mature teratoma
Japan (Lions Mansion) – Immature teratoma, anterior neck
Japan – Teratoma
Oman (Khoula Hospital) – Immature teratoma
Spain (CHIVI Hospital) - Immature teratoma

**Case 4 - Diagnosis:** Immature teratoma, thyroid

Case 4 - References:

Immature teratoma of the mediastinum arising in ectopic thyroid tissue: a case report.
Ranaldi R; Morichetti D, et al.

Congenital cervical immature teratoma arising in the left lobe of the thyroid gland.
APMIS 2007 Jan;115(1): p 75-9
Oka K; Okane M, et al.

Teratomas of the neck and mediastinum in children.
Pediart Surg Int 2006 Aug;22(8): p 627-34
Martino F; Avila LF, et al.

Malignant thyroid teratoma: report of an aggressive tumor in a 64-year-old man.
Endocr Pathol 2013 Sep;24(3): p 132-5
Vilallonga R; Zafon C, et al.
Intracranial teratomas in children: a clinicopathological study.  
Goyal N; Kakkar A, et al.

**Case No. 5, Accession No. 31968**  
May 2015

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CTTR, May 2015 “Minutes” (Subscription A)  
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Case 5 - Diagnosis: Lithium-associated diffuse thyroiditis and goiter

Case 5 - References:

Lithium-associated hypothyroidism and thyroid papillary carcinoma: a case report.  
Aksoy S; Kilickap S; Erman M

Spectrum of lithium induced thyroid abnormalities: a current perspective.  
Thyroid Res 2013;6(1): p3  
Kibirige D; Luzinda K; Sekitoleko R

Lithium-associated hyperthyroidism.  
Siyam FF; Deshmukh S; Garcia-Touza M

Incidence rate of symptomatic painless thyroiditis presenting with thyrotoxicosis in Denmark as evaluated by consecutive thyroid scintigraphies.  
Schwartz F; Bergmann N, et al.

Possible dangers of a "nutritional supplement" lithium orotate.  
Balon R

Case No. 6, Accession No. 31760

Bishop (Northern Inyo Hospital) - Papillary thyroid carcinoma  
Camarillo, Ca (St Johns Regional) - Papillary Carcinoma  
Fontana (Kaiser Foundation Hospital) - Papillary thyroid ca  
Glendale - Medullary carcinoma  
Lakewood – Papillary thyroid carcinoma  
Livermore – Papillary carcinoma, thyroid  
Loma Linda (LLU Residents) – Classical Papillary thyroid carcinoma  
Long Beach (Long Beach VA) – Papillary thyroid carcinoma  
Oakland (ACMC) – Papillary thyroid carcinoma (6)  
Palo Alto (VA Palo Alto) – Papillary thyroid carcinoma with lymphovascular space invasion  
San Francisco (San Francisco General Hospital) - Papillary thyroid carcinoma  
San Francisco (UCSF) - Papillary thyroid carcinoma, diffuse sclerosing variant  
Santa Barbara (Miramonte Laboratory) - Papillary carcinoma  
Woodland Hills (Kaiser Permanente) - Papillary thyroid carcinoma  
Arkansas, El Dorado (Associated Path Lab) – Papillary carcinoma  
Colorado, Fort Collins - Papillary thyroid carcinoma  
Delaware, Newark (AFMES) – Papillary thyroid carcinoma  
Florida (Munroe Hospital) – Papillary carinoma  
Florida (GastroEnterology Associates of Ocala) - Papillary Carcinoma  
Georgia, Atlanta - Dyshormonogenetic goiter  
Georgia (Wellstar Healthcare System) - PTC (4)  
Illinois (Heartland Regional Medical Center) - Papillary carcinoma  

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Iowa (Allen Memorial Hospital) - Papillary thyroid carcinoma
Kansas (Peterson Labs) - Papillary carcinoma / Papillary Thyroid Carcinoma
Louisiana (LSUHC) - Papillary thyroid carcinoma
Maryland (University of Maryland Medical System) - Classical papillary thyroid carcinoma
Minnesota (Fairview Ridges Hospital) - Papillary thyroid carcinoma
Mississippi (The University of Mississippi Medical Center) - Papillary carcinoma
Nebraska (Creighton University Medical Center) - Medullary carcinoma
North Carolina (Eastern Carolina Pathology) - Papillary thyroid carcinoma, tall cell variant
Ohio (Summa Health Residents) - Papillary thyroid carcinoma, classic variant
Ohio, Toledo - Papillary thyroid carcinoma
Ohio, Union Town - Papillary carcinoma, follicular variant
Pennsylvania (Drexel University College of Medicine Residents) - Papillary thyroid carcinoma
Puerto Rico (University of Puerto Rico) - Papillary thyroid carcinoma, classic type
Texas, Crystal Beach - Papillary carcinoma tall cell variety
Texas, Lubbock - Papillary carcinoma, tall cell variant
Texas (Baylor Scott & White) - Papillary thyroid carcinoma
Washington (Sound Pathology Associates) - Papillary thyroid carcinoma
West Virginia (Greenbrier Valley Medical Center) - Papillary carcinoma
Australia (Royal Hobart Hospital) - Papillary carcinoma
Australia (Royal Prince Alfred Hospital) - Medullary carcinoma
Ireland (Bon Secours Hospital) - Papillary carcinoma
Ireland (Kerry General Hospital) - Papillary carcinoma
Ireland (Mayo General Hospital) - Papillary carcinoma of thyroid gland
Japan (Asahi General Hospital) - Tall cell variant of papillary carcinoma
Japan (Lions Mansion) - Papillary carcinoma, thyroid
Japan - Follicular adenoma
Oman (Khoula Hospital) - Papillary carcinoma thyroid
Spain (CHIVI Hospital) - Papillary carcinoma

Case 6 - Diagnosis: Papillary carcinoma, classic variant, thyroid

Case 6 - References:

Is Hashimoto's thyroiditis a prognostic factor for thyroid papillary microcarcinoma?
Bircan HY; Koc B, et al.

Pathologic spectrum of lymphocytic infiltration and recurrence of papillary thyroid carcinoma.
Kim HG; Kim EK, et al.

Study of the histological profile of papillary thyroid carcinomas associated with Hashimo's thyroiditis.
Cordioli MI; Cury AN, et al.

The role of IgG4 (+) plasma cells in the association of Hashimoto's thyroiditis with papillary carcinoma.
APMIS 2014 Dec;122(12): p1259-65
Tasli F; Ozkok G, et al.

Hashimoto's thyroiditis as a risk factor of papillary thyroid cancer may improve cancer prognosis.
Lun Y; Wu X, et al.
Bishop (Northern Inyo Hospital) - Microfollicular adenoma with atypical features
Camarillo, Ca (St Johns Regional) - Follicular variant, papillary ca
Fontana (Kaiser Foundation Hospital) - Papillary carcinoma, follicular variant
Glendale - Anaplastic carcinoma
Lakewood - Follicular carcinoma with capsular and vascular invasion
Livermore - Follicular carcinoma, thyroid
Loma Linda (LLU Residents) - Follicular carcinoma
Long Beach (Long Beach VA) - Follicular carcinoma
Oakland (ACMC) - Follicular neoplasm. Favor follicular adenoma (6)
Palo Alto (VA Palo Alto) - Follicular adenoma
San Francisco (San Francisco General Hospital) - Follicular Carcinoma
San Francisco (UCSF) - Papillary thyroid carcinoma, follicular variant
Santa Barbara (Miramonte Laboratory) - Follicular carcinoma
Woodland Hills (Kaiser Permanente) - Follicular thyroid carcinoma
Arkansas, El Dorado (Associated Path Lab) - Minimally invasive follicular carcinoma
Colorado, Fort Collins - Follicular carcinoma
Delaware, Newark (AFMES) - Follicular variant of papillary thyroid carcinoma
Florida (Munroe Hospital) - Follicular variant of papillary carcinoma
Florida (GastroEnterology Associates of Ocala) - Follicular Carcinoma : Minimally invasive
Georgia (University of Maryland Medical System) - Follicular carcinoma with Hurthle cell features, suggestive of widely vascular invasive variant
Minnesota (Fairview Ridges Hospital) - Follicular carcinoma
Mississippi (The University of Mississippi Medical Center) - Follicular neoplasm
Nebraska (Creighton University Medical Center) - Anaplastic carcinoma
North Carolina (Eastern Carolina Pathology) - Follicular adenoma
Ohio, Union Town - Follicular carcinoma
Ohio, Toledo - Hurthle cell carcinoma, minimally invasive
Pennsylvania (Drexel University College of Medicine Residents) - Follicular carcinoma, minimally invasive
Puerto Rico (University of Puerto Rico) - Minimally invasive follicular carcinoma, r/o papillary carcinoma component
South Carolina (Medical University of South Carolina) - Texas, Crystal Beach - Microfollicular tumor with carcinoma focal
Texas, Lubbock - Papillary carcinoma, follicular variant
Texas (Baylor Scott & White) - Follicular carcinoma
Washington (Sound Pathology Associates) - Papillary carcinoma, follicular variant arising in follicular adenoma
West Virginia (Greenbrier Valley Medical Center) - Follicular carcinoma
Australia (Royal Hobart Hospital) - Follicular lesion - probable follicular adenoma
Australia (Royal Prince Alfred Hospital) - Anaplastic carcinoma
Ireland (Bon Secours Hospital) - Follicular variant papillary carcinoma
Ireland (Kerry General Hospital) - Minimally invasive follicular carcinoma
Japan (Asahi General Hospital) - Oncocytic adenoma
Japan (Lions Mansion) - Mixed medullary and follicular cell carcinoma, thyroid
Japan - Follicular adenoma
Oman (Khoula Hospital) - Oncocytic / Hurthle cell neoplasm
Spain (CHIVI Hospital) - Minimally invasive follicular carcinoma
Case 7 - Diagnosis: Minimally invasive (micro-invasive) follicular carcinoma, thyroid

Case 7 - References:

[Minimally invasive follicular thyroid carcinoma: Not always total thyroidectomy]  
Hermann M; Tonninger K, et al.

Childhood minimally invasive follicular carcinoma: clinical features and immunohistochemistry analysis.  
J Paediatr Child Health 2010 Apr;46(4): p166-70  
Zou CC; Zhao ZY; Liang L

A 3-D study of capsular invasion in follicular thyroid tumors. A novel approach to an old dilemma.  
Di Tommaso L; Tresoldi D; Naviligu CI; Destro A; Comi P; Morbiducci U; Roncalli M; Rizzo G

Molecular analysis of minimally invasive follicular carcinomas by gene profiling.  
Surgery 2005 Dec;138(6): p1042-8; discussion 1048-9  
Lubitz CC; Gallagher LA, et al.

Can minimally invasive follicular thyroid cancer be approached as a benign lesion?: a population-level analysis of survival among 1,200 patients.  
Goffredo P; Cheung K, et al.

Case No. 8, Accession No. 31732  
May 2015

Bishop (Northern Inyo Hospital) - Hurthle cell tumor/lesion  
Camarillo, Ca (St Johns Regional) – Hurthle cell tumor  
Fontana (Kaiser Foundation Hospital) - Oncocytic follicular adenoma  
Glendale - Immature teratoma  
Lakewood – Follicular adenoma with oncocytic changes  
Livermore – Hurthle cell adenoma  
Loma Linda (LLU Residents) – Oncocytic (Hurthle Cell) adenoma  
Long Beach (Long Beach VA) – Follicular adenoma with oncocytic features cannot exclude invasion  
Oakland (ACMC) – Hurthle Cell Adenoma (6)  
Palo Alto (VA Palo Alto) – Hurthle cell adenoma  
San Francisco (San Francisco General Hospital) - Hurthle cell carcinoma  
San Francisco (UCSF) - Follicular carcinoma  
Santa Barbara (Miramonte Laboratory) - Hurthle cell carcinoma  
Woodland Hills (Kaiser Permanente) - Oncocytoma  
Arkansas, El Dorado (Associated Path Lab) – Hurthle cell adenoma  
Colorado, Fort Collins - Hurthle cell adenoma  
Delaware, Newark (AFMES) – Follicular Carcinoma  
Florida (Munroe Hospital) – Minimally invasive Hurthle cell carcinoma  
Florida (GastroEnterology Associates of Ocala) - Hurthle cell neoplasm (favor low grade)  
Georgia, Atlanta - Hurthle cell neoplasm  
Georgia (Wellstar Healthcare System) - Hurthle cell adenoma (3) / Follicular adenoma  
Illinois (Heartland Regional Medical Center) - Encapsulated well differentiated follicular neoplasm, favor follicular adenoma  
Iowa (Allen Memorial Hospital) - Oncocytic carcinoma, angioinvasive  
Kansas (Peterson Labs) – Hurthle cell neoplasm (2)  
Louisiana (LSUHC) – Hurthle cell carcinoma  
Maryland (University of Maryland Medical System) - Hurthle cell adenoma
Minnesota (Fairview Ridges Hospital) – Hurthle cell carcinoma
Mississippi (The University of Mississippi Medical Center) – Hurthle cell neoplasm
Nebraska (Creighton University Medical Center) – Immature teratoma
North Carolina (Eastern Carolina Pathology) – Follicular carcinoma
North Carolina, Clemmons – Oxyphilic follicular neoplasm (no definite invasion)
Ohio, (Summa Health Residents) – Hurthle cell nodule
Ohio, Toledo – Hurthle cell adenoma
Ohio, Union Town – Follicular carcinoma
Pennsylvania (Drexel University College of Medicine Residents) – Hurthle cell neoplasm
Pennsylvania (Lehigh Valley Hospital) – Hurthle cell carcinoma
Puerto Rico (University of Puerto Rico) – Widely invasive follicular carcinoma, oncocytic variant
South Carolina (Medical University of South Carolina) –
Texas, Crystal Beach – Adenoma oncocytic
Texas, Lubbock – Oncocytic adenoma
Texas (Baylor Scott & White) – Hurthle cell carcinoma
Washington (Sound Pathology Associates) – Hurthle cell carcinoma
West Virginia (Greenbrier Valley Medical Center) – Hurthle cell tumor (Malignant ?)
Australia (Royal Hobart Hospital) – Minimally invasive follicular carcinoma
Australia (Royal Prince Alfred Hospital) – Immature teratoma
Ireland (Bon Secours Hospital) – Hurthle cell adenoma
Ireland (Kerry General Hospital) – Hurthle cell neoplasm
Ireland (Mayo General Hospital) – Hurthle cell adenoma
Japan (Asahi General Hospital) – Oncocytic variant of papillary carcinoma
Japan (Lions Mansion) – Hurthle cell tumor (follicular tumor, oncocytic variant), thyroid
Japan – Follicular adenoma
Oman (Khoula Hospital) – Oncocytic carcinoma
Spain (CHIVI Hospital) – Oncocytic follicular carcinoma

Case 8 - Diagnosis: Follicular “Hurthle cell” carcinoma, thyroid

Case 8 - References:

Does Hurthle cell carcinoma of the thyroid have a poorer prognosis than ordinary follicular thyroid carcinoma?
Ann Surg Oncol 2013 Sep;20(9): p2944-50
Sugino K; Kameyama K, et al.

Can abundant colloid exclude oncocytic (Hurthle cell) carcinoma in thyroid fine needle aspiration? Cytohistological correlation of 127 oncocytic (Hurthle cell) lesions.
Cytopathology 2013 Jun;24(3): p185-93
Yang GC; Schreiner AM; Sun W

Genomic dissection of Hurthle cell carcinoma reveals a unique class of thyroid malignancy.
J Clin Endocrinol Metab 2013 May;98(5): pE962-72
Ganly I; Ricarte Filho J; Eng S; Ghossein R; Morris LG; Liang Y; Socci N; Kannan K; Mo Q, et al.

Hurthle cell carcinoma: a population-level analysis of 3311 patients.
Cancer 2013 Feb 1;119(3): p504-11
Goffredo P; Roman SA; Sosa JA

Hurthle cell carcinoma: an update on survival over the last 35 years.
Surgery 2013 Dec;154(6): p1263-71; discussion 1271
Nagar S; Aschebrook-Kilfoy B, et al.

Hurthle cell carcinoma: a population-level analysis of 3311 patients.
Cancer 2013 Feb 1;119(3): p504-11
Goffredo P; Roman SA; Sosa JA
Patients with follicular and Hurthle cell microcarcinomas have compromised survival: a population level study of 22,738 patients.
Surgery 2013 Dec;154(6): p1246-53; discussion 1253-4
Kuo EJ; Roman SA; Sosa JA

Case No. 9, Accession No. 31967

Bishop (Northern Inyo Hospital) - Medullary carcinoma with amyloid
Camarillo, Ca (St Johns Regional) – Medullary ca
Fontana (Kaiser Foundation Hospital) - Medullary thyroid ca
Glendale - Benign thyroid nodule
Lakewood – Medullary thyroid carcinoma
Livermore – Medullary carcinoma (w/a/s)
Loma Linda (LLU Residents) – Medullary carcinoma
Long Beach (Long Beach VA) – Medullary carcinoma
Oakland (ACMC) – Medullary thyroid carcinoma (6)
Palo Alto (VA Palo Alto) – Medullary carcinoma
San Francisco (San Francisco General Hospital) - Medullary Carcinoma
San Francisco (UCSF) - Medullary carcinoma
Santa Barbara (Miramonte Laboratory) - Medullary carcinoma
Woodland Hills (Kaiser Permanente) - Medullary carcinoma with amyloid
Arkansas, El Dorado (Associated Path Lab). – Medullary carcinoma
Colorado, Fort Collins - Insular carcinoma
Delaware, Newark (AFMES) – Medullary Carcinoma
Florida (Munroe Hospital – Medullary carcinoma
Florida (GastroEnterology Associates of Ocala) - Medullary carcinoma
Georgia, Atlanta - Medullary thyroid carcinoma
Georgia (Wellstar Healthcare System) - Medullary thyroid carcinoma (4)
Illinois (Heartland Regional Medical Center) - Medullary carcinoma
Iowa (Allen Memorial Hospital) - Poorly differentiated thyroid carcinoma
Kansas (Peterson Labs) – Medullary carcinoma (2)
Louisiana (LSUHC) – Medullary carcinoma
Maryland (University of Maryland Medical System) - Medullary carcinoma
Minnesota (Fairview Ridges Hospital) - Medullary carcinoma of the thyroid
Mississippi (The University of Mississippi Medical Center) - Poorly differentiated carcinoma
Nebraska (Creighton University Medical Center) - Lithium induced multinodular goiter
North Carolina (Eastern Carolina Pathology). – Medullary thyroid carcinoma
North Carolina, Clemmons – Medullary thyroid carcinoma
Ohio, (Summa Health Residents) –Medullary thyroid carcinoma
Ohio, Toledo – Medullary thyroid carcinoma
Ohio, Union Town – Medullary carcinoma
Pennsylvania (Drexel University College of Medicine Residents) - Medullary carcinoma
Pennsylvania (Lehigh Valley Hospital) - Medullary carcinoma
Puerto Rico (University of Puerto Rico) – Medullary thyroid carcinoma
South Carolina (Medical University of South Carolina) -
Texas, Crystal Beach - Medullary carcinoma
Texas, Lubbock - Medullary carcinoma
Texas (Baylor Scott & White), – Medullary carcinoma
Washington (Sound Pathology Associates) – Medullary Carcinoma
West Virginia (Greenbrier Valley Medical Center) - Medullary carcinoma
Australia (Royal Hobart Hospital) - Medullary carcinoma
Australia (Royal Prince Alfred Hospital) - Lithium induced goiter
Ireland (Bon Secours Hospital) – Medullary carcinoma
Ireland (Kerry General Hospital) - Poorly differentiated /insular carcinoma
Ireland (Mayo General Hospital) - Medullary carcinoma
Medullary thyroid carcinoma in a patient with Hashimoto's thyroiditis diagnosed by calcitonin washout from a thyroid nodule.
Diagn Cytopathol 2013 Jul;41(7): p644-6
Mousa U; Gursoy A, et al.

Current update on medullary thyroid carcinoma.
AJR Am J Roentgenol 2013 Dec;201(6): pW867-76
Ganeshan D; Paulson E, et al.

Fine needle aspiration and medullary thyroid carcinoma: the risk of inadequate preoperative evaluation and initial surgery when relying upon FNAB cytology alone.
Endocr Prac 2013 Nov-Dec;19(6): p920-7
28 listed authors … too many to acknowledge. (Do not do this … DRC)

Mixed medullary-follicular carcinoma of the thyroid.
Case Rep Endocrinol 2013;2013:571692
Tohidi M; Pourbehi G, et al.

Advanced medullary thyroid cancer: pathophysiology and management.
Cancer Manag Res 2013;5:57-66
Ferreira CV; Siqueira DR, et al.

Case No. 10, Accession No. 31935

Bishop (Northern Inyo Hospital) - Anaplastic carcinoma
Camarillo, Ca (St Johns Regional) - Hodgkins of thyroid
Fontana (Kaiser Foundation Hospital) - Anaplastic thyroid ca
Glendale - Papillary carcinoma
Lakewood - Anaplastic thyroid carcinoma
Livermore – Poorly differentiated carcinoma, thyroid
Loma Linda (LLU Residents) – Anaplastic carcinoma
Long Beach (Long Beach VA) – Anaplastic carcinoma
Oakland (ACMC) – Anaplastic thyroid carcinoma (6)
Palo Alto (VA Palo Alto) – Anaplastic thyroid carcinoma
San Francisco (San Francisco General Hospital) - Anaplastic Carcinoma
San Francisco (UCSF) - Follicular dendritic cell tumor
Santa Barbara (Miramonte Laboratory) - Anaplastic carcinoma
Woodland Hills (Kaiser Permanente) - Undifferentiated (Anaplastic) Carcinoma vs diffuse large B-cell lymphoma
Arkansas, El Dorado (Associated Path Lab) – Undifferentiated carcinoma
Colorado, Fort Collins - Medullary carcinoma
Connecticut (Danbury Hospital) - Choriocarcinoma
Delaware, Newark (AFMES) – Anaplastic Carcinoma
Florida (Munroe Hospital – Undifferentiated carcinoma
Florida (GastroEnterology Associates of Ocala) - Poorly differentiated carcinoma (v sarcoma/lymphoma with immunostains)
Georgia, Atlanta - Anaplastic carcinoma; rule out lymphoma

CTTR, May 2015 “Minutes” (Subscription A)
Georgia (Wellstar Healthcare System) - Anaplastic thyroid carcinoma / PD Malignancy: Anaplastic carcinoma ect. / r/o melanoma, anaplastic carcinoma / Anaplastic Carcinoma
Illinois (Heartland Regional Medical Center) - Undifferentiated (anaplastic) carcinoma
Iowa (Allen Memorial Hospital) - Anaplastic thyroid carcinoma
Kansas (Peterson Labs) – Anaplastic carcinoma (2)
Louisiana (LSUHC) – Anaplastic carcinoma
Maryland (University of Maryland Medical System) - Anaplastic thyroid carcinoma
Minnesota (Fairview Ridges Hospital) - Anaplastic carcinoma
Mississippi (The University of Mississippi Medical Center) - Undifferentiated carcinoma
Nebraska (Creighton University Medical Center) - Papillary thyroid carcinoma
North Carolina (Eastern Carolina Pathology) – Anaplastic thyroid carcinoma
North Carolina, Clemmons – Anaplastic thyroid carcinoma
Ohio, (Summa Health Residents) – Anaplastic thyroid carcinoma
Ohio, Toledo – Anaplastic Carcinoma
Ohio, Union Town – Anaplastic carcinoma
Pennsylvania (Drexel University College of Medicine Residents) - Anaplastic carcinoma
Pennsylvania (Lehigh Valley Hospital) - Undifferentiated carcinoma
Puerto Rico (University of Puerto Rico) – Anaplastic thyroid carcinoma r/o pleomorphic lymphoma
Texas, Crystal Beach - Carcinoma poorly differentiated probably metastatic
Texas, Lubbock - Hodgkin lymphoma
Texas (Baylor Scott & White). – Anaplastic carcinoma
Washington (Sound Pathology Associates) - Anaplastic Carcinoma
West Virginia (Greenbrier Valley Medical Center) - Anaplastic Carcinoma
Australia (Royal Hobart Hospital) - Anaplastic carcinoma thyroid
Australia (Royal Prince Alfred Hospital) - Papillary carcinoma
Ireland (Bon Secours Hospital) – Undifferentiated (anaplastic) carcinoma
Ireland (Kerry General Hospital) - Undifferentiated neoplasm consistent with anaplastic ca
Ireland (Mayo General Hospital) - Anaplastic carcinoma vs High grade lymphoma
Japan (Asahi General Hospital) - Undifferentiated carcinoma
Japan (Lions Mansion) – Undifferentiated (anaplastic) carcinoma, thyroid
Japan – Follicular carcinoma
Oman (Khoula Hospital) – Anaplastic carcinoma
Spain (CHIIV Hospital) - Anaplastic Carcinoma

**Case 10 - Diagnosis**: Undifferentiated (anaplastic) carcinoma, thyroid

**Case 10 - References**: 

Anaplastic thyroid cancer.  
Oral Oncol 2013 Jul;49(7): p702-6  
O'Neill JP; Shaha AR

New targeted therapies and other advances in the management of anaplastic thyroid cancer.  
Curr Opin Oncol 2013 Jan;25(1): p44-9  
Deshpande HA; Roman S; Sosa JA

Undifferentiated (anaplastic) thyroid carcinoma and iodine intake in Salta, Argentina.  
Endocr Pathol 2013 Sep;24(3): p125-31  
Harach HR; Galindez M, et al.

Sites of metastases of anaplastic thyroid carcinoma: autopsy findings in 45 cases from a single institution.  
Thyroid 2013 Jun;23(6): p709-13  
Bacic N; Gazic B

PAX8 is expressed in anaplastic thyroid carcinoma diagnosed by fine-needle aspiration: a study of three cases with histological correlates.
Bellevicine C; Iaccarino A, et al.

Insular thyroid carcinoma: a retrospective clinicopathologic study.
Hod R; Bachar G, et al.