

**AMR SEMINARS: LIST OF CASES
(GROUPING OF CASES PER ORGAN/SYSTEM)**

(* = Publication in Advances in Anatomic Pathologic –AMR Series).

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- Fibroepithelial tumor of the breast with digital fibroma-like inclusions in stromal component (AP Dei Tos). 16/2
- Large cell lymphoma from MALT-oma of the breast (H Molina-Hirsch). 20/10
- Spindle cell (metaplastic) carcinoma of the breast with focal neural differentiation (JZ SICKEL). 20/13
- Adenomyoepithelioma of the breast (IJ Bleiweiss). 21/2
- Granulocytic sarcoma of the breast (J Lamovec). 21/11
- Tubular adenosis with ductal carcinoma in situ (JKC Chan). 22/4
- IDC with neuroendocrine differentiation (endometrioid-like glandular....) (JZ SICKEL). 22/17
- Pseudoangiomatous hyperplasia of the mammary stroma (IJ Bleiweiss). 23/2
- Epithelioid angiosarcoma of the breast (H Dominguez-Malagon). 23/7
- B-cell malignant lymphoma of the breast mimicking carcinoma (V Eusebi). 23/8
- Follicular dendritic sarcoma of the breast (C Fisher). 23/9
- Myeloid metaplasia of the breast (J Lamovec). 23/10
- ?Nodular fasciitis, ?Fibromatosis, involving the breast (IJ Bleiweiss). 25/3
- Mucinous cystadenocarcinoma of the breast (CE Bacchi). 28/1
- Quiz case (2). "Epimyoeplithelial carcinoma plus a stromal sarcoma" of the breast (N Weidner). 28
- Adenoid cystic carcinoma of the breast, grade I (JZ SICKEL). 30/12
- Low grade (miofibro-)sarcoma plus tubular carcinoma (collision tumor) versus sarcomatoid carcinoma of the breast (IJ Bleiweiss). 31/3
- Matrix producing carcinoma (malignant mixed tumor) or epimyoeplithelial carcinoma of the (V Eusebi). 31/9
- Diabetic mastopathy (sclerosing lymphocytic lobulitis) (C Fisher)*. 31/10
- Low-grade breast tumor c/w adenoid cystic carcinoma (N Weidner). 32/17
- Microglandular adenosis of the breast (IJ Bleiweiss). 33/2
- Benign adenomyoepithelioma of the breast (D Ben Dor). 34/2
- Malignant phyllodes tumor associated with infiltrating lobular carcinoma of the breast (collision tumor) (J Lamovec). 35/13
- Myxoid liposarcoma, metastatic to the breast. (IJ Bleiweiss). 38/6
- Basal cell carcinoma of the nipple (IJ Bleiweiss). 42/5
- Florid papillomatosis (adenoma) of the nipple (M Fukunaga). 42/9
- ? Glycogen-rich (clear cell) carcinoma of the breast (PE Wakeley, Jr) (Follow-up in AMR Sem. #45: on Quiz case 3 from Semin. #41: ICC evidence for myoeplithelial, neuroendocrine or basaloid differentiation) (PE Wakeley, Jr).

Osteogenic sarcoma, probably radiation induced of the breast (IJ Bleiweiss). 44/4
Invasive adenosquamous carcinoma (low-grade metaplastic carcinoma). (IJ Bleiweiss). 46/4
Invasive “breast tumor resembling the tall cell variant of papillary carcinoma of thyroid”
(V Eusebi). 47/6

- Quiz case 1: Infiltrating ductal carcinoma of the breast with neuroendocrine features with charcoal pigment injected for intraoperative localization (J Lamovec). 47

Epithelioid schwannoma (A Gown). 49/11
In situ squamous cell carcinoma of the breast with myoepithelial cell differentiation
(V Eusebi). 51/7
Subcutaneous panniculitis-like T-cell lymphoma involving the breast (JA Strauchen). 51/16
Cellular fibroepithelial tumor with malignant stroma (? Adenosarcoma; ? atypical phylloides tumor) (G. Falconieri). 52/8
Follicular dendritic cell tumor primary in breast (V Eusebi). 53/9
Ectopic breast tissue – pubic site. (I Bleiweiss). (55/3)
Primary mucinous cystadenocarcinoma of the breast. (S Ramon y Cajal). 56/15
Anaplastic large cell lymphoma in the right breast adjacent to a breast implant. (G Berry). 56/4
Syringomatous adenoma of nipple (I Bleiweiss). 57/3

DIGESTIVE TRACT

- Penicillium marneffrei infection of the colon (JKC Chan). 4/4
- True histiocytic lymphoma/interdigitating reticulum cell sarcoma of the small intestine (CDM Fletcher). 5/5
- Measles appendicitis (J Goldstein). 7/7
- ? Possible "rhabdoid" variant of GIST of the stomach (LM Weiss). 7/18
- True histiocytic lymphoma of small intestine (M Miettinen). 8/11
- Glomus tumor of the stomach (IJ Bleiweiss). (9/2)
- Primary yolk sac carcinoma of the stomach (JZ Sickel). 9/16
- Granular cell epulis (M Hurt). 10/9
- Carcinoma of the anal ducts (M Miettinen). 15/10
- ?Hemangiopericytoma of the stomach (IJ Bleiweiss). 17/5
- Gastro-intestinal autonomic nerve cell tumor (GANT) (M Miettinen). 18/9
- Whipple's disease (J Lamovec). 19/11
- Gangliocytic paraganglioma (S Ramon y Cajal). 19/14
- Ectomesenchymal chondromyxoid tumor of the tongue (JKC Chan). 20/4
- Gastro-intestinal myogenic stromal tumor with prominent myxoid matrix (CA Moran). 20/11
- Angyostrongiloides Costarricensis of the appendix (H Molina-Hirsch). 21/13
- Intestinal endometriosis (C Goldenberg). 22/8
- Quiz-case (1): Metastasis to the bowel from large cell carcinoma (?lung) (J Goldstein). 23
- Inflammatory follicular dendritic cell tumor of liver ("inflammatory pseudotumor of liver") (JKC Chan). 24/3
- "Benign intramural glandulo-cystic proliferation" in the bowell (N Weidner). 24/16
- Quiz case (2). Bilharzioma of the rectum (K. Cooper). 24
- Bilharzioma of the rectum (histological glass slides (K Cooper). 25/4
- Enteropathy associated T-cell lymphoma (G Berry). 26/1
- Mesothelioma of the colon (AM Gown). 26/8
- Crohn's disease of the appendix vs idiopathic granulomatous appendicitis (PP de Saint Maur). 26/13
- Spindle cell carcinoma (carcinosarcoma) of the esophagus with prominent basaloid differentiation (AP Dei Tos). 27/6
- (Possible) colonic localization of Behcet's disease (PP de Saint Maur). 28/16
- Enteropathy-associated T-cell lymphoma (JZ Sickel). 28/18
- Colitis cystica profunda diffusa resulting of protracted ulcerative colitis (PP de Saint-Maur). 30/11
- Herpes proctitis in ulcerative colitis (K Cooper). 31/5
- Primary yolk sac tumor of the appendix versus poorly differentiated adenocarcinoma with yolk sac features (H Dominguez-Malagon). 31/8
- Quiz case (2). Pneumatosis cystoides intestinalis (M Bisceglia). 31
- Mucocele with myxoglobulosis of the appendix (JKC Chan). 32/4
- Benign schwannoma of digestive tract (PP de Saint-Maur). 32/13
- Ischemic colitis secondary to CMV vasculopathy (K Cooper). 33/4
- Pneumocystis carinii infection of the small intestine with CMV infection (BM Wenig). 35/19
- Quiz case (2). Duplicatio intestinalis (JZ Sickel). 35
- Phlegmonous enterocolitis due to E. coli (TV Colby). 37/2
- Mantle cell lymphoma, involving the intestine (LM Weiss). 37/19
- Colchicine effect in a hyperplastic polyp (E Montgomery). 38/17
- Multiple gastric intramucosal cysts and fundic gland polyps in Zollinger-Ellison's syndrome. (PW Allen). 39/1
- Oncocytic carcinoma of the stomach (o parietal carcinom of the stomach) (M Michal). 39/15
- Pseudoneoplastic hypeerplasia of the islet cells with perineurial spread of the pancreas most probably due to the obstruction of the ductus choledocus (M Michal). 39/16

Clear cell change in colorectal adenoma (O Dietze). 40/6
 Malignant glomus tumor of the stomach (M Miettinen). 40/14
 Enterocolic (lymphocytic) phlebitis (E Montgomery). 40/15
 Hepatobiliary cystadenocarcinoma with “ovarian-like stroma” (S Ramon y Cajal). 40/16
 Necrotizing enterocolitis due to *Clostridium septicum* (JA Strauchen). 41/17
 Parachordoma / myoepithelioma of the stomach (G Falconieri). 42/7
 Brown bowel syndrome (E Montgomery). 42/13
 Churg-Strauss disease of the gut (TV Colby). 43/3
 Duodenal gangliocytic paraganglioma (CDM Fletcher). 43/9
 Quiz Cases (1). India ink endoscopic tattooing (M Bisceglia). 44
 Giant cell tumor involving sigmoid colon, following excision of borderline mucinous ovarian tumor with sarcoma-like mural nodules (C Fisher). 45/8
 Abdominal angiostrongylosis due to *angiostrongylus Costaricensis* (JA Strauchen). 45/13
 True leiomyosarcoma of jejunum, high grade (M Miettinen). 47/14
 Inflammatory fibroid polyp of the small bowel (E Montgomery). 48/13
 Intestinal perineurioma with infiltrative features (C Bacchi) (49/2).
 Neurofibromatous involvement of ileum with ‘diffuse ganglioneuromatosis’ in a patient with NF-1 and retroperitoneal malignant peripheral nerve sheath tumor (C Fisher). 49/8
 Gastric schwannoma (M Miettinen). 49/14
 • Quiz case 1. (M Wick). 49
 Multifocal duodenal gangliocytic paraganglioma with extensive ganglioneuromatous differentiation with lymph node involvement (AL Folpe). 50/7
 Russel body gastritis (G Falconieri). 50/9
 Mucosal tear / “fractured colon” in collagenous colitis with perforation (E Montgomery). 50/14
 Glomus tumor of the stomach (I Bleiweiss). 51/3
 Rhabdomyomatous giant fibrovascular polyp of the esophagus (PE Wakely jr). 51/17
 Histiocytic sarcoma of the stomach (L Weiss). 51/18
 Gastrointestinal-type clear cell sarcoma (V Adsay). 52/1
 Intravascular large B-cell lymphoma involving an inflammatory fibroid polyp (A Folpe). 53/12
 Gastric schwannoma (D Spagnolo). 54/17
 Filiform polyposis of the colon (S Suster). 54/18
 Recurrent malignant GIST with diffuse rhabdoid morphology - jejunum. (K Cooper). 55/5
 Diversion colitis. (O Diete). 55/7
 Dendritic reticulum cell tumor (sarcoma) arising in Castleman disease - apparently extranodal tumor – small bowel . (M Miettinen). 55/18
 Atypical lipomatous tumor/inflammatory well differentiated liposarcoma - retroperitoneum. (J Strauchen). 55/19
 • Quiz case 1. Inflammatory myofibroblastic tumor of stomach (M Miettinen). 55
 Invasive poorly differentiated medullary-type carcinoma, arising in the ampulla. (V Adsay). 56/1
 Pyloric gland adenoma with high-grade dysplasia in a background of autoimmune metaplastic atrophic gastritis. (E Montgomery). 56/13
 Yttrium associated gastritis (O Ben-Itzhak) 58/3
 Colon with focal transmural ischemic necrosis following Kayexalate treatment for hyperkalemia (T Krausz). 58/13

LIVER

- Spindle cell tumor - ? Dendritic reticulum cell sarcoma of the liver (S Ramon y Cajal). 7/14
- Unclassifiable malignant neoplasm of the liver (LM Weiss). 8/18
- Hepatocellular carcinoma with neuroendocrine features (LM Weiss). 10/20
- Fetal-type hepatoblastoma vs adenoma (N Weidner). 11/18
- Chronic rejection of the liver (S Ramon y Cajal). 13/10
- Hepatic cysticercosis (JZ Sichel). 18/14
- Angiomyolipoma of the liver (K Cooper). 21/4
- Quiz-case (1): Mycobacterial avium infection in the liver (M Bisceglia). 20/18
- Liver in a "tropical splenomegaly syndrome" (CE Bacchi). 22/1
- Toxic acute necrosis in a liver with Caroli's disease (PP de Saint Maur). 22/16
- Intrahepatic cholangiocarcinoma (TV Colby). 23/4
- Undifferentiated (embryonal sarcoma) of the liver (M Miettinen). 24/10
- Bile duct cystadenoma vs metastatic adenocarcinoma (J Goldstein). 25/9
- Quiz-case 3: Liver ischemic necrosis secondary to medical embolization (M Bisceglia). 26
- Fibrolamellar (oncocytic) carcinoma of the liver with abundant cytoplasmic pale inclusions (H Dominguez-Malagon). 27/7
- Undifferentiated embryonal sarcoma of the liver (I Damjanov). 28/6
- Liver metastasis from acinar cell carcinoma of pancreatic origin (LM Weiss). 28/20
- Biliary adenofibroma (H Dominguez-Malagon). 29/7
- Epithelioid hemangioendothelioma of the liver (TV Colby). 30/3
- HELLP syndrome with pseudoangiosarcomatous features (J Forteza-Villa). 30/6
- Malignant neuroendocrine tumor in fibropolycystic disease of liver (J Goldstein). 30/7
- Infiltrating squamous cell carcinoma of the liver arisen in hepatic cyst of foregut type (AP Dei Tos). 33/6
- Metastatic renal cell carcinoma involving liver with associated peliosis hepatis (JZ Sichel). 39/17
- Lymphoplasmacytic lymphoma associated with peliosis hepatis (CE Bacchi). 40/1
- GIST of the liver, metastatic to the lymph nodes, with giant cell reaction (I Damjanov). 41/6
- Chronic lymphocytic leukemia and hepatocellular carcinoma (J Goldstein). 41/13
- PEC-oma of the liver (AM Gown). 42/10
- Hepatic "MALT" lymphoma (extranodal marginal-zone B cell lymphoma of mucosa-associated lymphoid tissue type) associated with primary sclerosing cholangitis (JA Strauchen). 47/15
- Metastatic primitive neuroectodermal tumor (resembling medulloepithelioma), arising in the setting of prior testicular germ cell tumor (AL Folpe). 48/9
- Epithelioid hemangioendothelioma with prominent intravascular dissemination (S Ramon y Cajal) 48/14
- Focal nodular hyperplasia of the liver with sarcoid-like granulomas (G Falconieri). 50/10*
- "Spontaneous" multiple adenomas" (spontaneous adenomatosis) of liver (M. Bisceglia). 52/5
- Bile duct adenoma with neuroendocrine proliferation. (D. Ben-Dor). 54/2
- Fatal systemic venous air embolism following endoscopic retrograde cholangiopancreatography (ERCP) (M Bisceglia). 54/5*
- Hepatocarcinoma with metastases to lymph nodes, pancreas, spleen, heart, intestinal mucous, scalp – Liver – with mucinous differentiation. (J Forteza Vila). 55/13

PANCREAS

Solid, cystic and papillary tumor of the pancreas (J Goldstein). 5/6

Cystic islet cell tumor of the pancreas (V Eusebi). 7/5

Ductal adenocarcinoma of heterotopic pancreas in pylorum (JJ Bleiweiss). 12/4

Giant cell tumor of the pancreas (CJ Manivel). 14/5

High grade sarcoma c/w malignant peripheral nerve sheath tumor vs a possible mucinous cystic neoplasm with associated sarcomatous stroma of the pancreas (BM Wening). 17/19

Pancreatoblastoma (JKC Chan). 22/5

Intraductal oncocytic papillary neoplasm of the pancreas (BM Wenig). 25/16

Benign lymphoepithelial cyst of the pancreas (LM Weiss). 26/18

Extrapancreatic solid-cystic tumor of the retroperitoneum (H Dominguez-Malagon). 35/7

Metastatic acinar cell carcinoma, microglandular/microcystic variety) of the pancreas (T Krausz). 38/14

Acinar cell cystadenoma of the pancreas (? acinar cystic transformation) (JKC Chan). 39/3

Quiz-Case (3). Pancreatoblastoma, in adult (N Weidner). 39

Invasive (?ductal) carcinoma of the pancreas, basaloid type (V Eusebi). 43/7

Intraductal and invasive oncocytic papillary-mucinous carcinoma of the pancreas (J Lamovec). 47/10

Benign lymphoepithelial cyst, head of pancreas (PW Allen). 53/1

True epithelial “mucoepidermoid” cyst arising within an intrapancreatic accessory spleen. (J Sickel). 54/15

Primary ovarian carcinoma, microcystic type (E Silva). 54/16

GYNECOLOGY (UTERUS, CERVIX, VAGINA & VULVA) & PREGNANCY

Primary neuroendocrine carcinoma of the uterus (S Suster). 1/1
Placental site trophoblastic tumor (GA Herrera). 1/9
EBV-associated B cell lymphoma of the placenta (GJ Berry). 4/15
Angiomyofibroblastoma of the vulva (CDM Fletcher). 7/6
Giant cell vasculitis involving left Fallopian tube (LA Moral). 7/12
Benign "triton" tumor of the vagina (V Eusebi). 8/5
Unusual glandular proliferation (metaplastic vs hyperplastic vs carcinoma) cervix (MJ Gaffey). 8/7
Lymphoepithelioma-like carcinoma of the uterine cervix (JZ Sickel). 8/16
Leiomyoma with perinodular hydropic degeneration (CDM Fletcher). 10/8
Various diagnoses: "Undifferentiated malignant tumor" of the uterus, probably metastatic, with epithelioid morphology (T Krausz). 11/8
Malignant mixed mullerian tumor of vagina (LA Moral). 11/11
Atypical polypoid adenomyoma of the uterus (M Bisceglia)*. 12/3
Endolymphatic stromal myosis & retroperitoneal metastasis having pseudoangiosarcomatous pattern of growth (J Lamovec). 12/12
Placental site trophoblastic tumor (JZ Sickel). 14/10
Endometrial mullerian adenosarcoma (LA Moral). 16/7
Leiomyoma with pregnancy associated changes vs leiomyosarcoma (T Krausz). 19/10
Low grade endometrial stromal sarcoma vs metastatic adenocarcinoma in the uterus (H Molina-Hirsch). 23/11
Invasive hydatidiform mole with associated malignant trophoblastic proliferation (J Sickel). 24/13
Giant adenomatoid tumor of the uterus (S Suster). 26/17
Metastatic low grade endometrial stromal sarcoma from the pelvis (TV Colby). 27/5
Ligneous cervicitis (SJ Schnitt). 28/17
?Spindle cell epithelioma of the vagina. ?Blastematos heterotopic Wilm's tumor (T Krausz). 29/11
Low-grade endometrial stromal sarcoma of the vagina (CE Bacchi). 32/2
Cotyledonoid dissecting leiomyoma of the uterus (JKC Chan). 32/3
Placental site trophoblastic tumor (M Michal). 34/16
Malignant melanoma of the vagina with ganglioneuroblastic differentiation (I Damjanov). 35/4
Dedifferentiated liposarcoma of the vulva (T Krausz). 36/12
Pseudoactinomycotic radiate granules in endocervical curettage (K Cooper). 37/3
Sex-cord tumor with annular tubules unassociated with Peutz-Jeghers' syndrome (M Michal). 37/12
Endometrial marginal-zone B cell lymphoma, extranodal (MALT-type) (JA Strauchen). 37/17
Malignant papillary mesothelioma presenting as an ovarian mass (primary ovarian malignant mesothelioma???) (H Dominguez-Malagon). 39/8
??Low grade carcinoma of unknown origin. ***F-Up in Sem. #45 : low grade endometrial stromal sarcoma (S Suster). 39/19
Malignant myoepithelioma of the vulva (M Fukunaga). 40/10
Acantholytic /pseudovascular squamous cell carcinoma (with myxoid stroma) of the vulva (CDM Fletcher). 41/11
Quiz case n. 1. Myoepithelioma of the vulva (M Bisceglia). 41
Subinvolution of the uteroplacental arteries [subinvolution of the placental site] (PE Wakeley, Jr). 41/20
Uterine adenomatoid tumor (S Ramon y Cajal). 42/14
Low grade endometrial stromal sarcoma with sex cord differentiation (AP Dei Tos). 45/5
Small cell neuroendocrine carcinoma of uterine cervix (JZ Sickel). 46/15

Low grade malignant Mullerian mixed tumor of the endometrium (O Dietze). 47/5
Dedifferentiated endometrioid adenocarcinoma of the uterus (EG Silva). 47/13
Ligneous vaginitis in association with adenosis (T Krausz). 48/11
Uterine leiomyoma with non-lymphomatous massive T-cell infiltrates secondary to treatment with GnRH agonist (D Ben Dor). 48/1
Perivascular epithelioid cell tumor (PEComa) of the uterus (M. Fukunaga). 50/11
Malignant ectomesenchymoma arising in a uterine MMMT (K Cooper). 51/4
Chronic histiocytic intervillitis (O Dietze). 51/6A
Poorly differentiated synovial sarcoma of the vagina (G Pelosi). 51/14
Papillary squamotransitional cell carcinoma of the uterine cervix (M Fukunaga). 52/9
Embryonal rhabdomyosarcoma of the uterine cervix (PE Wakely, Jr). 53/21
Mesonephric adenocarcinoma of the uterine cervix with mesonephric hyperplasia (M Fukunaga). 54/9
Cotyledonoid dissecting leiomyoma of the uterus (Sternberg tumor) (M Fukunaga). 58/12

OVARY & UTERINE SALPYNX

- Gonadoblastoma of the ovary (G Schibi-Brilliant). 1/5
Goblet cell carcinoid of the ovary (IJ Bleiweiss). 2/7
Metastatic lobular carcinoma of the breast to the ovary (LA Moral). 2/10
Keratin globules of the ovary (JKC Chan). 3/4
Large cell lymphoma with sclerosis of the ovary (GJ Berry). 5/1
Combined germ cell / sex-cord-epithelial tumor of the ovary (SJ Melnick). 5/9
Ovary infiltrated by malignant melanoma (IJ Bleiweiss). 6/2A
Papillary serous adenocarcinoma of ovary (J Goldstein). 6/7A
Granulosa cell tumor of ovary with florid mesothelial hyperplasia (PW Allen). 15/1
Hepatoid carcinoma of the ovary (J Goldstein). 18/7
Poorly differentiated angiosarcoma of the ovary (T Krausz). 22/10
Oxyphilic clear cell carcinoma of the ovary (C Bacchi). 25/2
Primary melanoma originated in cystic teratoma (H Molina-Hirsch). 27/12
Retrograde lymphatic spread of metastatic ovarian carcinoma from axillary lymph node metastasis (IJ Bleiweiss). 29/2
Adenoid-cystic carcinoma of the ovary (M Michal). 30/9
Ovarian, cystic monodermal teratoma (J Goldstein). 32/8
FATWO (Wolffian adnexal tumor) (M Michal). 32/10
Primitive neuroectodermal tumor of the ovary, arising in a teratoma (I Damjanov). 33/5
Well differentiated endometrioid carcinoma resembling FATWO (J Sichel). 33/15
Additional case to Seminar # 33 –case 15 (JZ Sichel). FATWO-like endometrioid primary carcinoma of the uterine salpynx (M Bisceglia)*. 35
Quiz-Case (2). Ovarian ependymoma (N Weidner). 39
Pregnancy luteoma with florid degenerative changes vs juvenile granulosa cell tumor arising independently adjacent to (collision) or pregnancy luteoma vs juvenile granulosa cell tumor with extensive luteinization (mimicking luteoma) (D Ben Dor). 40/2
Prolapse of the fallopian tube after hysterectomy associated with exuberant angiomyo-fibroblastic stromal response (M Michal). 47/11
Hepatoid carcinoma with serous component of the Fallopian tube (M Fukunaga). 48/10
Female adnexal tumor of probable Wolffian origin (FATWO), mesentery and retroperitoneum (PW Allen). 49/1
Adult Wilms' tumor, monophasic epithelial type, metastatic (PE Wakely Jr). 49/19
Metastatic pancreatic adenocarcinoma simulating a primary mucinous tumor of the ovary (J Sichel). 50/17
Well-differentiated Sertoli-Leydig cell tumor of the ovary (E Silva). 51/15
Primary ovarian fibrosarcoma (S Ramon y Cajal). 54/14
Microcystic stromal tumor of the ovary (CE Bacchi) 57/2
Ovarian fibroma with hyaline globules (M Michal) 57/14
Low-grade serous carcinoma of ovary (EG Silva). 57/16
Clear cell ovarian adenocarcinoma arising in association with a dermoid cyst with striking verrucous hyperplasia (J Sichel) 58/17

KIDNEY

- Metanephric adenoma of the kidney (JKC Chan). 2/9
- Sarcomatoid carcinoma vs angiosarcoma of the kidney (S Suster). 7/17
- Partially differentiated cystic nephroblastoma (SJ Melnick). 9/9
- Inflammatory pseudotumor of urinary bladder (J Goldstein). 13/7
- Mesoblastic nephroma plus multicystic nephroma in adult (M Bisceglia)*. 13/14
- Congenital mesoblastic nephroma (M Bisceglia). 14/2
- Sarcomatoid renal carcinoma (M Miettinen). 14/6
- Collecting duct carcinoma of kidney (N Weidner). 16/13
- Renal carcinoma and angiosarcoma ("collision tumor") (CDM Fletcher). 18/5
- Inflammatory pseudotumor of bladder (pseudosarcomatous fibromyxoid tumor) (N Weidner). 18/17
- Metanephric adenoma (JKC Chan). 20/5
- Solitary fibrous tumor of the kidney (LM Weiss). 24/17
- Inflammatory pseudotumor of the kidney (M Bisceglia). 26/2
- Retroperitoneal lymphangiomyoma versus (renal) angiomyolipoma without adipocytic component (M Bisceglia). 26/3
- Fat embolism in the lung and kidney (JKC Chan). 26/4
- Unusual renal cell carcinoma with tubulo-papillary features, unclassified (S Suster). 27/15
- Combined renal cell oncocytoma and angiomyolipoma (W Tsang). 27/17
- Quiz case (1). Chronic clofazimine therapy effect (TV Colby). 27
- Renal extranodal Rosai-Dorfman's disease (AP Dei Tos). 29/6
- Polypoid cystitis due to schistosoma hematobium (S Ramon y Cajal). 30/10
- Mixed epithelial-stromal tumor of the kidney (CE Bacchi)*. 34/1
- Papillary (chromophil) renal cell carcinoma (G Falconieri). 34/8
- Extragastrointestinal stromal tumor of the urinary bladder sierosa (M Miettinen). 34/15
- Benign renal angiomyoadenomatous tumor (M Michal). 34/17
- Spindle and cuboidal renal cell carcinoma (loopoma) (M Michal). 37/13
- Partially poorly differentiated renal cell carcinoma with small cell anaplastic (neuroendocrine) tumor (O Dietze). 38/9
- Pediatric renal neoplasm characterized by epithelioid morphology, basement membrane production, focal HMB-45 immunoreactivity, and t(6;11) (p21.1;q12) (DV Spagnolo). 38/19
- Mucinous tubular and spindle cell carcinoma of the kidney (LM Weiss). 41/21
- Unilateral renal cystic disease of nongenetic etiology (M Bisceglia)*. 42/4
- Inflammatory myofibroblastic tumor of the kidney (K Cooper). 43/4
- Renal cell carcinoma, chromophobe cell type, pigmented, associated (in collision) with angiomyolipoma (J Lamovec). 43/11
- Quiz case (1). Primary synovial sarcoma of the kidney of the kidney (H Dominguez Malagon). 45
- Juxtaglomerular cell tumor (E Montgomery). 46/13
- Renal oncocytosis (PE Wakely, Jr). 47/16
- Cellular type of congenital mesoblastic nephroma (I Bleiweiss). 49/4
- Medullary sponge kidney with small kidney (M Bisceglia) (50/4).
- Clear cell carcinoma of the kidney with sarcomatous areas of divergent differentiation (chondrosarcoma, rhabdomyosarcoma) (H Dominguez-Malagon). 50/6
- Mixed epithelial and stromal tumor of the kidney (CA Moran). 50/15
- Oncocytic papillary renal cell carcinoma (M Michal). 53/16
- Thyroid follicular carcinoma-like tumor of the kidney (or thyroid-like follicular variant of papillary carcinoma?) (O Ben-Itzhak). 52/3
- Malignant Glomus Tumor (Glomangiosarcoma) of the kidney. (V Adsay). 54/1
- Tubulocystic carcinoma of the kidney. (JKC Chan). (55/4)

Angiosarcoma of the kidney. (M Fukunaga). 56/9

De-differentiated chromophobe renal cell carcinoma with osteosarcomatous differentiation. (J Sickel). 56/16

Wilms' tumor with heterologous elements and diffuse anaplasia (I Damjanov). 57/5

Unclassified, non-pleomorphic renal sarcoma (possibly de novo malignant solitary fibrous tumor of kidney) (M Bisceglia 58/7

URINARY TRACT

Squamous cell carcinoma of bladder with schistosoma hematobium (V Eusebi). 15/6

Primitive choriocarcinoma of bladder (AP Dei Tos). 18/3

Transitional cell carcinoma of the bladder merging with a large cell anaplastic carcinoma component, an invasive micropapillary component and oat cell carcinoma (V Eusebi). 27/8

Osteosarcoma of the bladder (O Dietze). 30/4

Lymphoepithelioma-like carcinoma of the renal pelvis (M Fukunaga). 36/10

Carcinosarcoma of the urinary bladder metastatic to the clitoris (I Damjanov). 37/4

Radiation-induced pseudocarcinomatous proliferations of the urinary bladder (JKC Chan). 38/8

Adenocarcinoma of the bladder with well differentiated tubulo-villous and poorly differentiated signet ring cell areas, most probably of urachal origin (O Dietze). 42/6

Poorly differentiated transitional cell carcinoma with clear cell features (JZ Sichel). 42/15

Sarcomatoid urothelial carcinoma of the bladder with pseudoangiosarcomatous features (D Ben Dor). 44/1

Extramedullary hematopoiesis involving urinary bladder (JZ Sichel). 44/16

Low-grade sarcoma of the bladder, multinodular (I Damjanov). 51/5

MALE GENITAL SYSTEM

Prostatic chips infiltrated by poorly differentiated adenocarcinoma with signet ring cell differentiation (IJ Bleiweiss). 6/2B

Adenocarcinoma of the prostate plus "adenoid basal cell" carcinoma (S Ramon y Cajal). 10/15

Leydig cell tumor (malignant) with unusual myxoid change (JKC Chan). 11/3

Carcinosarcoma of the rete testis vs embryonal carcinoma with chondrosarcomatous elements (H Dominguez-Malagon). 12/8

Sclerosing adenosis of prostate (JKC Chan). 15/3

Sclerosing Sertoli tumor (LM Weiss). 16/14

Phyllodes tumor of prostate (C Fisher). 17/11

Malignant mesothelioma -paratesticular (J Goldstein). 22/9

Talerman's tumor of the testis (M Michal). 24/9

Sex cord stromal tumor of the testis with features of the adult type of granulosa cell tumor (M Michal). 26/10

Spenic-gonadal fusion (JZ Sickel). 26/14

Anaplastic variant of spermatocytic seminoma with a high grade sarcoma demonstrating myogenic differentiation (K Cooper). 27/3

Testicular tumor of the adrenogenital syndrome (M Michal). 28/14

?Phyllodes tumor of the prostate ? Low-grade soft tissue neoplasm ? Adenosarcoma of prostate (CDM Fletcher). 29/10

Quiz case (3). Malignant Sertoli cell tumor with focal spindle cell (sarcomatoid) features (S Suster). 29

Non-germ cell tumor arising in a germ cell tumor (G Falconieri). 32/7

Malignant adenomatoid tumor of the testis vs adenomatoid tumor (V Eusebi). 33/8

Syncytiotrophoblastic cell-rich seminoma (G Falconieri). 36/8

Brucella orchitis (M Bisceglia). 38/5

Coccidioidomycosis of the testes and epididymis (JZ Sickel). 40/17

Leydig cell tumor with adipocytic differentiation and spindle cell differentiation with extensive stromal myxoid/myxohyaline change (and ??osteoid) (DV Spagnolo). 42/16

Quiz Cases (3). Bothryoid or phyllodes prostatic adenocarcinoma (G Falconieri). 44

Malignant Sertoli cell tumor metastatic to the abdominal lymph nodes (I Damjanov). 45/4

(?Burnt out primary in the testis with) metastases (?yolk sac tumor plus teratoma with a neuroepithelioma component) in the retroperitoneum and metastatic chondrosarcoma to the heart (S Suster). (23).

Malignant Leydig cell tumor of the testis in a 1 year-old boy with isosexual pseudoprecocity (CE Bacchi). 47/2

Familial complete androgen insensitivity syndrome (Morris syndrome or testicular feminization syndrome) in 2 sisters (M Bisceglia). 48/3

Seminoma with associated hyperplasia and cystic dilatation of rete testis (JZ Sickel). 48/15

Solitary fibrous tumor of the prostate (H Dominguez-Malagon). 53/8

Sertoliform adenoma of the rete testis (A Gown). 53/14

Mature cystic teratoma with sarcomatous component (embryonal rhabdomyosarcoma) (met in a lymph node (L Weiss). 53/22

Scrotal lymphoedema (with smooth muscle hyperplasia). (CDM Fletcher). 55/11

Periprostatic gastro-intestinal stromal tumor (D Ben Dor). 58/2

LYMPH NODES, BONE MARROW, PERIPHERAL BLOOD

- Keratin globules in lymph node in a patient with squamous cell carcinoma (S Suster). 2/1
- Metastatic paanglioma in lymph nodes (IJ Bleiweiss). 5/2
- Follicular small cleaved cell lymphoma of the lymph node (N Cartagena). 5/3
- Diffuse large cell lymphoma of B-lineage, with prominent fibrillary matrix and rosettes, of lymph node (JKC Chan). 6/4
- Follicular dendritic reticulum cell tumor of the lymph node (CDM Fletcher). 6/6
- Monocytoid B cell lymphoma of the lymph node (LM Weiss). 6/18
- Overlap ALCL/HD of the lymph node (GJ Berry). 7/1
- Kawasaki's disease (GJ Berry). (9/1)
- Large B-cell lymphoma associated with unclassified sarcoma ("collision tumor") (GJ Berry). 10/1
- Ki-1 lymphoma vs lymphocytic depletion Hodgkin's disease (SJ Melnick). 10/11
- Kikuchi's disease (GJ Berry). 11/1
- Non-Hodgkin's B-cell lymphoma (monocytoid with large neoplastic B-cell) rich in non neoplastic reactive T-cells (J Forteza Villa). 11/7
- Leishmania lymphadenitis (JZ Sichel). 12/18
- Large cell anaplastic lymphoma secondary to chronic immunosuppression (JA Strauchen). 12/19
- Hairy cell leukemia in extralymphoid tissue (LM Weiss). 12/22
- Leprosy lymphadenitis (JA Strauchen). 13/11
- Toxoplasmosis of the brain in a HIV-patient (LA Moral). 14/7
- Monocytic sarcoma (JA Strauchen). 15/13
- Myelodysplastic syndrome with "red lips" eosinophil precursors (JKC Chan). 15/15
- ?Neoplastic malignant histiocytic process (J Goldstein). 16/5
- Castleman's disease with dendritic reticulum cell dysplasia (JZ Sichel). 16/10
- Hodgkin's disease with synus histiocytosis with massive lymphadenopathy (DV Spagnolo). 16/11
- ?Peripheral T-cell lymphoma with erythrophagocytic histiocytosis in bone marrow (M Bisceglia). 17/4
- Mycobacterial necrotizing lymphadenitis (K Cooper). 17/7
- Anaplastic large cell lymphoma CD30+ (J Lamovec). 17/13
- Gaucher disease, type I (S Ramon & Cajal). 17/17
- Polyvinil-pirrolidone granuloma of bone (JA Strauchen). 17/18
- Hodgkin's disease mixed cellularity with multi-nucleated giant cells of Warthin-Finkeldey type (CE Bacchi). 18/1
- Reticulum cell tumor with monoclonal gammopathy (M Michal). 18/8
- Inflammatory pseudotumor of the lymph-node (CA Moran). 18/12
- Histiocytosis X of lymph node "S-100 protein negative" (Langerhans' cell granulomatosis) (S Suster). 18/16
- Hodgkin's disease versus Hodgkin's disease-like Ki-1 positive ALC lymphoma (JA Strauchen). 19/15
- Malignant lymphoma with rosette formation (S Suster). 19/16
- Anaplastic large cell lymphoma with high content of reactive histiocytes (J Goldstein). 20/7
- Malignant mastocytosis with myeloproliferative syndrome (LM Weiss). 20/17
- Gamma heavy chain disease (JA Strauchen). 21/15
- Canine lymphoma (JA Strauchen). 23/13
- Castleman's disease (hyaline-vascular variant) with follicular dendritic cell stromal overgrowth (sarcoma) (M Michal). 24/8
- Quiz-case (1). Angiomyomatous hamartoma of the lymph node (M. Bisceglia). 24
- T-cell rich large B-cell lymphoma (JA Strauchen). 25/14
- Post-transplantation syndrome in lymph node (Castleman's multicentric disease plus Kaposi's sarcoma) related to KSHV (JZ Strauchen). 27/14
- Light chain disease associated with plasmacytoma (?lymph node) (JKC Chan). 28/5

Fatal Kikuchi's disease versus LES (J Forteza-Vila). 28/10
Quiz case (1). Blood test positive for a case of homozygous sickle cell anemia (M Bisceglia). 28
Quiz case (1). Congenital dyserythropoietic anemia, type II (M Bisceglia). 29
Atypical lymphoid infiltrate, consistent with an abnormal immune response (LM Weiss). 30/14
Anaplastic T-cell lymphoma (I Damjanov). 31/6
(AL-)Amyloid lymphadenopathy (J Lamovec). 31/13
Angiotropic B-cell lymphoma (JA Strauchen). 31/14
Agranular CD4+CD56+CD2- cutaneous lymphoma (DV Spagnolo). 32/14
Mastocytosis (JA Strauchen). 33/16
T-cell granular lymphocytic leukemia involving lymph node (DV Spagnolo). 34/19
Peripheral T-cell lymphoma unspecified (predominantly large cell) (J Forteza-Vila). 35/11
Extranodal dendritic reticulum cell sarcoma of the tonsil (GJ Berry). 36/3
Lymph node –involvement by angiomyolipoma (JKC Chan). 36/6
Aggressive systemic mastocytosis, myelodysplastic syndrome (chronic myelomonocytic leukaemia) (O Dietze). 36/7
Dendritic reticulum cell sarcoma, probably of nodal origin (M Miettinen). 36/14
Interdigitating reticulum cell sarcoma.???? (CA Moran). 37/14
Parvovirus B19 infection of bone marrow (JZ Sickel). 37/16
Langerhans' cell sarcoma (malignant histiocytosis X) (J Forteza-Vila). 39/12
ALK-negative anaplastic large cell lymphoma (LM Weiss). 39/21
Infectious mononucleosis (JA Strauchen). 39/18
Toxoplasmic lymphadenitis (M Bisceglia). 40/4
Aggressive NK-cell lymphoma with terminal hemophagocytic syndrome (DV Spagnolo). 40/18
Quiz case n. 3. Polymorphous hemangioendothelioma of the lymph node (PE Wakely, Jr) (Follow-up in AMR #45: low grade angiosarcoma). 41
Kaposi's sarcoma with unusual features of the iliac lymph node (C Fisher). 43/8
Intranodal palisaded myofibroblastoma (AL Folpe). 46/8
Hamazaki-Wesenberg bodies ("yellow-brown bodies") in granulomatous lymphadenitis (GJ Berry). 48/2
Lymph node – Kawasaki disease (JKC Chan). 48/4
Langerhans cell histiocytosis of lymph node. (52/2)
Mastocytosis in lymph node (CE Bacchi). 53/2
Sporadic lymphangioliomyomatosis involving lymph nodes (and lung) (M Bisceglia) 58/6

SPLEEN

Spleen with paraimmunoblastic variant of small lymphocytic lymphoma/leukemia (N Cartagena). 7/3

Littoral cell angioma of the spleen (JKC Chan). 7/4

Splenic large B-cell lymphoma with a red pulp distribution (M Miettinen). 9/10

Littoral cell angiosarcoma of the spleen (M Miettinen). 11/10

Littoral cell angioma of the spleen plus renal cell carcinoma plus angiomatous meningioma (M Bisceglia). 20/3

HHV-8 related Castleman's disease in lymphnode & spleen in a HIV+ patient (S Ramon y Cajal). 25/13

Primary malignant mesothelioma of the spleen (W Tsang). 25/15

Banti's syndrome (J Forteza-Vila). 26/7

Inflammatory myofibroblastic tumor of the spleen with necrotizing, suppurative granulomatous inflammation (DV Spagnolo). 30/13

Splenic lymphangioma. (CDM Fletcher). 39/11

Gamma-Gandy bodies in splenomegaly, probably secondary to an underlying liver disease (O Dietze). 51/6B

Splenic marginal zone lymphoma with progression to a diffuse B cell lymphoma with overexpression of MYC (J Forteza-Vila). 53/13

Gamma-delta lymphoma, perhaps an aggressive variant of hepatosplenic T-cell lymphoma - spleen. (L Weiss). 55/23

Florid marginal zone hyperplasia of the spleen mimicking splenic marginal zone lymphoma. (D Spagnolo). 56/17

PERITONEUM & ABDOMEN-NOS

Rhabdomyosarcoma (of the pelvis) (J Goldstein). 6/7B

Intra-abdominal desmoplastic small round cell tumor (M Miettinen). 6/11

Embryonal carcinoma of the abdomen (S Suster). 6/17

Gliomatosis peritonei (JZ Sickel). 10/17

Benign peritoneal micro- and macro-cystic mesothelioma, with focal mural mesothelial proliferation (J Lamovec). 13/9

Angiosarcoma of peritoneum (LM Weiss). 14/13

Malignant mesothelioma, "lymphohistiocytic" variant (T Krausz). 16/6

Recurrent abdominal mesenteric fibromatosis (S Suster). 16/12

Malignant mesothelioma, "sarcomatous" type, with prominent lymphoid reaction (TV Colby). 17/8

Florid mesothelial hyperplasia versus malignant mesothelioma (S Ramon & Cajal). 21/14

Hydatid cyst of the abdomen (K Cooper). 23/3

Lymphohistiocytoid malignant mesothelioma (JA Strauchen). 29/14

Malignant epithelioid neoplasm?? of the serosal surface of bowel (S Suster). 29/15

Primary abdominal monophasic synovial sarcoma (CDM Fletcher). 31/11

Undifferentiated malignant neoplasm of unknown origin of the abdomen (omentum) (BM Wenig). 33/19

Abdominal localized malignant mesothelioma of the cecum (TV Colby). 34/6

Extrapancreatic solid-cystic tumor (M Fukunaga). 34/10

Peritoneum – Decidualizes endometriosis with myxoid change. (JKC Chan). 39/2

Solitary fibrous tumor (IJ Bleiweiss). 40/5

Malignant mixed Mullerian tumor with heterologous (chondrosarcomatous) differentiation of the peritoneum (AP Dei Tos). 41/7

Malignant mesothelioma (epithelioid) presenting as an abdominal wall soft tissue mass (DV Spagnolo). 44/17

Inflammatory leiomyosarcoma in HIV positive male of the pelvis (C Fisher). 51/8

Presacral (retrorectal) dermoid cyst with Paget's disease in a patient with possible Currarino syndrome (C Fisher). 53/10

Epithelioid malignant mesothelioma, low nuclear grade, with prominent papillary pattern of peritoneum (T Krausz). 52/10

Deciduoid malignant mesothelioma (CDM Fletcher). 53/11

Sclerosing extramedullary hematopoietic tumor (SEMHT) associated with chronic idiopathic myelofibrosis - intraabdominal. (CE Bacchi). (55/2)

Leiomyomatosis peritonealis disseminata. (M Bisceglia). 56/5

Idiopathic sclerosing encapsulating peritonitis (abdominal cocoon). (J Forteza Vila). 57/11

SKIN & SUBCUTIS

- Gouty tophus of the skin (MA Hurt). 1/7
- Cutaneous myofibroma of the foot (N Cartagena, Jr). 2/2
- Papillary eccrine adenoma of the skin (TT Holland). 2/4
- Benign lymphangioendothelioma of the skin (MA Hurt). 2/12
- Acantholytic squamous cell carcinoma, pigmented, of the skin of nose (S Ramon y Cajal). 2/13
- Cutaneous sporotrichosis (TT Holland). 3/5
- Fibrous histiocytoma of the skin (giant dermatofibroma) (MA Hurt). 3/6
- Xanthogranuloma of the skin (J Lamovec). 3/7
- Metaplastic synovial cyst of the skin (MA Hurt). 5/7
- Metastatic adenocarcinoma of the umbilicus (MA Hurt). 6/8
- Plexiform fibrohistiocytic tumor of the abdominal skin (S Suster). 8/3
- Metastatic hidradenocarcinoma (N Cartagena). 9/3
- Cutaneous lymphadenoma (JKC Chan). 9/4
- Subcutaneous nodule on the arm composed of small round cells with round nuclei in a myxoid stroma – absent mitotic activity *no diagnosis* (S Suster). 9/17
- Malignant melanoma (interpreted as epithelioid angiosarcoma) (H Dominguez-Malagon). 10/6
- Granulomatous slack skin (N Cartagena). 12/5
- Scleroderma with atrophy of subcutaneous adipose tissue (T Krausz). 12/11
- Malignant glomus tumor (S Suster). 14/11
- Giant cutaneous trichilemmal horn (M Bisceglia). 17/2
- Subcutaneous phycomycosis (TV Colby). 21/3
- High grade neuroendocrine neoplasm vs metastatic amelanotic malignant melanoma in inguinal lymph node with neuroendocrine features (J Forteza-Vila). 22/7
- Hyaline-cell rich chondroid syringoma (D Spagnolo). 22/18
- Quiz-case (1): Verruga peruana (S Suster). 22
- "Deep" pseudorheumatoid nodule (granuloma annulare) (T Krausz). 25/10
- Quiz-case 1: CDS gr. I, metastatic to the skin of the nose (M Bisceglia). 26
- Quiz-case 2: Xanthoma of the skin (N Weidner). 26
- Prototheca zopfii infection of the skin (JKC Chan). 28/4
- Onchocerca volvulus infection of the skin (G Falconieri). 28/8
- Inguinal lymph node metastasis from aggressive papillary adenocarcinoma of sweat gland origin (M Miettinen). 28/15
- Solitary superficial angiomyxoma with epithelial components, subcutis, and scalp (PW Allen). 29/1.
- Necrotizing fasciitis due to group-A streptococcus (JKC Chan). 30/2
- Quiz case (1). Hyperplastic transplanted parathyroid in the forearm (M Bisceglia). 31
- Merkel cell carcinoma (J Forteza-Vila). 33/12
- Quiz case (1). Membranous fat necrosis (S Suster). 34
- Follow up case to Seminar # 28 –case 3 (M Bisceglia). Chester-Erdheim disease evolution in Langerhan's cell histiocytosis of the skin (M Bisceglia). 35
- Rosai-Dorfman disease of skin (extranodal: skin) (LM Weiss). 35/18
- Well-differentiated cutaneous angiosarcoma mimicking clinical rosacea (T Mentzel). 36/13
- Cutaneous and visceral Kaposi's sarcoma with cardiac tamponade (J Forteza Vila). 37/9
- Granulomatous slack skin (CE Bacchi). 38/1
- Cutaneous CD8+/TIA+ T-cell lymphoma (T Mentzel). 38/15
- Extraspinal myxopapillary ependymoma (AL Folpe). 40/
- Cellular neurothekeoma of the skin (H Dominguez-Malagon). 41/8
- Dermal hamartoma with follicular and (?) eccrine differentiation (S Suster). 41/19
- Histiocytoid variant of eccrine sweat gland carcinoma of the eyelid and orbit (BM Wenig). 41/22
- Quiz case n. 2. Cutaneous adult myofibroma (S Suster). 41

Merkel cell carcinoma of the scalp presenting as simultaneous metastatic lesion in the gums of the upper and lower jaws (D Ben-Dor). 42/2

Necrobiotic xanthogranuloma –skin-subcutis (I Damjanov). 43/5

Kaposi's sarcoma of the scrotum vs angiosarcoma in a HIV+ patient (T Krausz). 44/11

Bone metastases from cutaneous basal cell carcinoma (M Bisceglia). 44/3

Metastatic Merkel cell carcinoma with sarcomatoid component and glandular differentiation (TV Colby). 44/5

Metastasizing cellular dermatofibroma of the skin (CE Bacchi). 45/2

Low grade trichoblastic carcinosarcoma of the skin (M Michal). 45/12

Recurrent melanoma associated with (focal) osteoclast-like multinucleated giant cell reaction (G Falconieri). 46/7

Osteogenic melanoma of the foot (M Fukunaga). 46/9

Retiform hemagioendothelioma (Dabska), skin of left heel (PW Allen). 47/1

Progressive nodular histiocytoma (T Mentzel). 48/12

Oncocytic glomus tumour (CDM Fletcher). 49/9

Round-cell variant of low-grade perineurial sarcoma? (M Michal). 49/15

High grade undifferentiated adnexal carcinoma of the skin (D Ben Dor). 50/1

Malignant basomelanocytic tumor of the skin (G Elmberger). 50/8

Congenital neurocristic cutaneous hamartoma of the scalp (T Krausz). 50/12

Polimorphous sweat gland carcinoma of the skin (T Mentzel). 50/13

Indeterminate cell tumor / sarcoma; indeterminate cell histiocytosis; dendritic cell sarcoma, not otherwise specified – skin (D. Spagnolo). 50/18

Apocrine gland cyst with hemosiderotic dermatofibroma-like stroma of the skin and subcutis of the calf (PW Allen). 51/1

Lupus panniculitis (Lupus erythematosus profundus) (Thomas Mentzel). 52/11

Clear cell atypical fibroxanthoma of skin (O Dietze). 53/7

Congenital melanocytic tumor of the face, scalp and orbit. (O Ben-Itzhak). 54/3

Apocrine carcinoma of the skin with sebaceous (sebaceous-like) and mucinous differentiation - chest. (J Lamovec). 55/14

Adamantinoma, squamous pattern, left tibia. (P Wakely, Jr). 55/21

Mucinous carcinoma of the skin. (F Fedeli) 58/11

SOFT TISSUE (INCLUDING RETROPERITONEUM)

- Retroperitoneal malignant "triton" tumor (rhabdomyosarcoma plus malignant schwannoma) (M Huszar). 1/4
- Mesenchymal chondrosarcoma of soft tissue vs extraosseous osteosarcoma (J Lamovec). 2/6
- Soft tissue-large cell lymphoma with unusual myxoid stroma (JKC Chan). 2/8
- Myositis ossificans of the thigh (N Cartagena). 3/2
- Epithelioid angiosarcoma of deep soft tissue (CDM Fletcher). 4/5
- Chordoma-like primary soft tissue sarcoma (parachordoma) (M Miettinen). 4/9
- Variant of fibroma of tendon sheath with disturbing pleomorphism of the finger (J Lamovec). 5/8
- Rhabdomyosarcoma with mixed embryonal and alveolar features of the soft tissue (JZ Sickel). 5/14
- Retroperitoneal intra-abdominal desmoplastic small round cell tumor (LM Weiss). 5/16
- Epithelioid sarcoma of soft tissue (J Lamovec). 6/9
- Ossifying fibromyxoid tumor, malignant of the soft tissue –arm (M Miettinen). 7/11
- Subcutaneous myxopapillary ependymoma of the sacrococcygeal region (G Schibi-Brilliant). 7/15
- Infiltrating glomus tumor of soft tissue (CDM Fletcher). 8/6
- Retroperitoneal metastatic embryonal carcinoma with sarcomatous transformation (S Suster). 8/17
- Low grade myxofibrosarcoma (CDM Fletcher). 9/7
- Dedifferentiated liposarcoma (A Sara). 9/14
- ?Epithelioid leiomyosarcoma (L Weiss). 9/18
- Adult neuroblastoma, differentiating, ?primary retroperitoneal, with metastases to omentum & ovaries. Ganglioneuromatous differentiation in the metastasis to the retroperitoneal lymph node (J Lamovec). 10/10
- Sarcoma, NOS (S Suster).10/18
- Myofibroblastic sarcoma (?) (H Dominguez-Malagon). 11/4
- Low-grade Dabskoid angiosarcoma (CDM Fletcher). 11/6
- ?Unusual variant of non-small desmoplastic small round cell tumor (J Lamovec). 11/9
- Desmoplastic fibroma (S Ramon y Cajal). 11/13
- Inflammatory fibrosarcoma (SJ Melnick). 11/15
- Extraskeletal myxoid chondrosarcoma (JZ Sickel). 11/16
- Iuxta-articular myxoma (PW Allen). 12/1
- "Myofibroblastoma with fatty component" (CDM Fletcher). 12/10
- High-grade angiosarcoma of deep tissue (M Miettinen). 12/13
- Malignant mesenchymoma (A Sara). 12/17
- Hectopic hamartomatous thymoma (PW Allen). 13/1
- Undifferentiated malignant neoplasm (sarcoma, NOS ?) (CJ Goldenberg). 13/6
- Malignant mesenchymoma (PP de Saint Maur). 14/9
- Neuroepithelioma vs malignant paraganglioma (CJ Goldenberg). 15/8
- Mesenchymal chondrosarcoma (S Ramon y Cajal). 15/12
- Giant cell tumor of soft tissues (CDM Fletcher). 16/4
- Malignant mesenchymoma (PP de Saint Maur). 16/9
- Nuchal fibroma (PW Allen). 17/1
- Epithelioid angiosarcoma with alveolar pattern (H Dominguez-Malagon). 17/9
- Malignant spindle cell neoplasm (CJ Goldenberg). 17/12
- Ectopic hamartomatous thymoma with carcinoma (M Michal). 17/15
- Alveolar rhabdomyosarcoma (J Forteza-Vila). 18/6
- Perineal nodular induration of cyclist (atypical decubital fibroplasia and elastofibroma) (PP de Saint Maur). 18/13
- PNET vs metastatic neuroblastoma (D Spagnolo). 18/15

Atypical decubital fibroplasia (PW Allen). 19/1
Ossifying fibromyxoid tumor of soft parts (IJ Bleiweiss). 19/2
Myospherulosis (JKC Chan). 19/3
Leiomyosarcoma with areas of rhabdomyoblastic differentiation (V Eusebi). 19/7
Parachordoma (C Fisher). 19/8
Malignant ectomesenchymoma of soft tissues (CE Bacchi). 20/1
(Giant) plexiform xanthomatous tumor (M Michal). 20/8
Liposarcoma (?surgically induced) (PP de Saint Maur). 20/12
Low grade fibromyxoid sarcoma (PW Allen). 21/1
Ossifying fibromyxoid tumor with stromal cysts (C Fisher). 21/9
PNET vs rhabdoid tumor of the retroperitoneum (J Forteza-Vila). 21/10
Amyloid tumor of the iliacus muscle (CJ Manivel). 21/12
Malignant, undifferentiated large cell neoplasm, NOS (BM Wenig). 21/16
Pleomorphic hyalinizing angiectatic tumor (CDM Fletcher). 22/6
Retroperitoneal myolipoma (M Michal). 22/12
Myxoid liposarcoma with prominent lymphangioma-like cystic degeneration (S Suster). 22/19
Chondroid lipoma (N Weidner). 22/20
Inflammatory leiomyosarcoma (AP Dei Tos). 23/6
(?Burnt out primary in the testis with) metastases (?yolk sac tumor plus teratoma with a neuroepithelioma component) in the retroperitoneum and metastatic chondrosarcoma to the heart 23/14. (S Suster)
Desmoplastic fibroblastoma (PP de Saint Maur). 24/12
?Melanotic epithelioid schwannoma, ?malignant (S Suster). 24/15
Quiz case (3). Myofibrosarcoma low grade of bone with rhabdoid inclusions (AM Gown). 24
Periosteal lipoma (PW Allen). 25/1
Ossifying fibromyxoid tumor (G Falconieri). 26/5
Unclassified sarcoma, with intravenous growth pattern (M Miettinen). 26/11
Low-grade vascular proliferation with features of intraosseous hemangioma/epithelioid hemangioendothelioma (CA Moran). 26/12
Desmoplastic fibroblastoma or collagenous fibroma (DV Spagnolo). 26/15
Unclassified fibromatous tumor, probably benign: probably a myxoid variant of desmoplastic fibroma (DV Spagnolo). 26/16
Hyaline fibromatosis (PW Allen)*. 27/1
Lymphangiomatosis (C Fisher). 27/9
Sclerosing epithelioid fibrosarcoma vs malignant solitary fibrous tumor (J Lamovec). 27/11
Clear cell epithelioid smooth muscle tumor of low grade malignant potential (S Suster). 27/16
Recurrent superficial angiomyxoma vs lobular nerve sheath myxoma (J Goldstein). 28/11
Plexiform fibrohistiocytic tumor (AM Gown). 28/12
Hyalinizing spindle cell tumor with giant rosettes (HSTGR) (M Michal). 28/13
Pleomorphic hyalinizing angiectatic tumor of soft parts (DV Spagnolo). 28/19
Parachordoma (I Damjanov). 29/5
Desmoplastic fibroblastoma (PW Allen)*. 31/1
Dedifferentiated liposarcoma with neural-like whorling pattern (AP Dei Tos). 31/7
?Myoepithelioma of soft tissues (S Suster). 31/15
Low grade epithelioid MPNST versus high-grade extraskeletal myxoid chondrosarcoma (O Dietze). 32/6
?Low-grade fibrohistiocytic tumor (S Suster). 32/16
Quiz case (1). Atypical lipomatous tumor with spindle cell features vs variant of myxofibrosarcoma, vs other possibilities (O Dietze). 32
Infiltrating (and recurring) glomus tumor of the deep soft tissues misdiagnosed as synovial sarcoma (PW Allen). 33/1

Massive localized lymphoedema in morbid obesity (CDM Fletcher). 33/10
Clear cell myomelanocytic tumor of the falciform ligament (AL Folpe). 33/11
Epithelioid sarcoma of proximal type (J Lamovec). 33/13.
?Myxoid and spindle cell sarcoma, low-grade, consistent with extraskeletal myxoid chondrosarcoma (S Suster). 33/17
Epithelioid variant of pleomorphic liposarcoma, arising as one component of a dedifferentiated liposarcoma (AL Folpe). 34/9
Giant cell fibroblastoma of childhood or proliferative fasciitis and myositis of childhood versus pleomorphic myogenic sarcoma (J Goldstein). 34/11
?Variant of myxoid chondrosarcoma of soft tissue (T Krausz). 34/13
Lumbar nuchal-type fibroma in an adolescent boy with probable Gardner's syndrome (PP de Saint-Maur). 34/18
Low grade vs benign spindle cell "true" histiocytic proliferation?? "Fibrous histiocytoma" of soft tissue?? Missed-the-boat-oma??? (S Suster) 34/20
Hemosiderotic fibrohistiocytic lipomatous lesion of the foot – ankle (PW Allen). 35/1
Metastasizing granular cell tumor (V Eusebi). 35/8
Hemosiderotic fibrohistiocytic lipomatous tumor (C Fisher). 35/9
Angiomatoid malignant fibrous histiocytoma (J Goldblum). 35/12
Plexiform fibrohistiocytic tumor with regional lymph node metastases (JA Strauchen). 35/16
Hyalinizing mesenchymal neoplasms of undetermined malignant potential (S Suster). 35/17
Low-grade spindle cell sarcoma, NOS (S Suster). 35/20
Phosphaturic mesenchymal tumor, mixed connective tissue variant causing oncogenic osteomalacia (AL Folpe). 36/9
Undiagnosed soft tissue tumor, presumably benign, with features of desmoplastic fibroblastoma, solitary fibrous tumor, and pleomorphic hyalinizing angiectatic tumor (PW Allen). 37/1
Spindle cell hemangioma. (H Dominguez-Malagon). 37/5
Aneurysmal bone cyst of soft tissue (CDM Fletcher). 37/8
Atypical, solitary fibrous tumor (J Goldstein). 37/10
Retroperitoneal hemangioblastoma extending from spinal canal. (J Lamovec). 37/11
Epithelioid angiosarcoma. (S Ramon y Cajal). 37/15
Spindle cell sarcoma, NOS (S Suster). 37/18
Necrotizing granulomatous inflammation of soft tissue of unknown etiology (BM Wenig). 37/20
Myoepithelioma of soft tissue, probably of low grade malignancy (AL Folpe). 38/11
Epithelioid sarcoma, "proximal" type (AM Gown). 38/13
Retroperitoneal uterine-type leiomyoma (M Miettinen). 38/16
Low-grade spindle cell myofibroblastic proliferation (plus Follow-up: ...) (S Suster). 38/20
Inflammatory leiomyosarcoma of the abdomen (I Damjanov). 39/6
Lipoleiomyosarcoma (well differentiated liposarcoma with leiomyomatous differentiation) (J Goldstein). 39/13
Malignant solitary fibrous tumor (or inflammatory fibroblastic sarcoma) (PE Wakeley, Jr). 39/20
Atypical fibroproliferative disorder akin low grade myofibroblastic tumor (G Falconieri). 40/8
Lipomatous hemangiopericytoma vs peculiar variant of atypical lipomatous tumor (T Krausz). 40/12
Spindle cell rhabdomyosarcoma in an adult (T Mentzel). 40/13
Spindle cell / composite hemangioendothelioma (PW Allen). 41/1
Perivascular epithelioid cell tumor (PEComa) resembling clear cell myomelanocytic tumor (C Fisher). 41/10
Idiopathic retroperitoneal fibrosis (Ormond's disease) (K Cooper). 41/5
Lipoblastoma intramuscular (J Lamovec). 41/15
Myolipoma (T Krausz). 42/11

Undiagnosed and unclassified high-grade malignant neoplasm with polyphenotypism (DV Spagnolo). 42/17

?Lipofibromatosis, ?Lipoblastoma, retroperitoneum (PW Allen). 43/1

Inflammatory malignant fibrous histiocytoma of the pelvis (M Miettinen). 43/13

Pleomorphic high-grade sarcoma of the groin (S Suster). 43/15

Mesenchymal chondrosarcoma of the L5 vertebral body (PE Wakeley, Jr). 43/16

Small spindle and epithelioid cell sarcoma, NOS (G Falconieri). 44/7

“Early” pleomorphic hyalinizing angiectatic tumor of soft parts (AL Folpe). 44/8

Lipofibromatosis (finger) (E Montgomery). 44/13

Extraskelatal Ewing’s sarcoma /PNET (CDM Fletcher). 45/9

Aneurysmal type of solitary fibrous tumor / pericytoma-like fibroblastoma (J Lamovec). 45/11

Primary borderline mucinous tumor, right infrarenal retroperitoneum (PW Allen). 45/1

Retroperitoneal angiomyolipoma (T Krausz). (46/11)

Intravascular myopericytoma of soft tissue (T Mentzel). 46/12

Round cell liposarcoma with cord-like growth pattern (M Miettinen). 47/12

Phosphaturic mesenchymal tumor (K Cooper). 49/5

Acral myxoinflammatory fibroblastic sarcoma (inflammatory myxohyaline tumor) (I Damjanov). 49/12

Unclassified malignant epithelioid and spindle cell tumor with clear cell features and bizarre giant cells and prominent inflammatory and foam cell component (J Lamovec). 49/13

Lipoblastic nerve sheath tumor with signet-ring lipoblastic cells (S Suster). 49/18

Reactive fibrovascular proliferation, possibly engrafted on a vascular malformation of soft tissue of the neck (CDM Fletcher). 51/9

Amyloid tumor of soft tissue with metaplastic bone (M Miettinen). 51/13

Alveolar soft part sarcoma (I Bleiweiss). 53/3

Metastatic low grade endometrial stromal sarcoma to the retroperitoneum (K Cooper). 53/5

Liposarcoma of the thigh, mixed type. (T Mentzel). 54/11

Ectopic ependymoma of the groin (E Montgomery). 54/12

Injection site high grade angiosarcoma, subcutis, left buttock region, associated with hemosiderin and large calcified masses of old fat necrosis, presumably secondary to subcutaneous iron injections 20 years previously. (PW Allen). 55/1

Rosai-Dorfman disease of soft tissue – thigh. (I Damjanov). 55/6

Angiosarcoma arising in AV fistula previously used for dialysis in renal transplant recipient. (C Fisher). 55/10

Extranodal Rosai-Dorfman disease, left tibia. (P Wakely, Jr). (55/22)

Reticular perineurioma. (T Krausz). 56/10

Hybrid perineurioma and (ancient) schwannoma. (T Mentzel) 56/11

Inflammatory myxo-hyaline tumor, dermis and subcutis, left shoulder and back (P Allen) (57/1)

Epithelioid sarcoma, proximal type (K Cooper) (57/4)

Hibernoma, spindle cell variant (CDM Fletcher) (57/9)

Dedifferentiated liposarcoma (with one small focus closely resembling spindle cell lipoma) (A Folpe) (57/10)

Pleomorphic rhabdomyosarcoma (A Gown) (57/12)

Sclerosing perineurioma (M Miettinen) (57/15)

Adult type rhabdomyoma (P Wakely, Jr) (57/18)

Unusual spindle cell lesion with extensively hyalinized stroma, NOS (E Zambrano) (57/22)

Plexiform fibrohistiocytic tumor/cellular neurothekeoma (H Dominguez-Malagon) (57/23)

Dedifferentiated solitary fibrous tumor? Dedifferentiated peripheral nerve sheath tumor (perineurioma)? (H Dominguez-Malagon) (57/ 24)

?? Epithelioid vascular neoplasm ?? Primitive cartilaginous tumor ??Extraskelatal myxoid chondrosarcoma. (S Suster) (57/ 25)

(Analogized to a) Quiz-case: (V Adsay) (58/1).

Phosphaturic mesenchymal tumor, mixed connective tissue type (M Bisceglia) 58/5

Reticular schwannoma (T Mentzel) 58/14

Fibrous hamartoma of infancy (E Montgomery) 58/15

Soft tissue chondroma vs chondroid tumor of unknown malignant potential (S Ramon y Cajal)
58/16

Myospherulosis (J Sickel) 58/ Quiz Case-1

Quiz case 2: (S Suster)

PERIPHERAL NERVE

Epithelioid malignant schwannoma (S Suster). 12/20

Perineurioma (N Weidner). 12/21

Neuroblastoma-like neurilemmoma (A Nascimento). 17/16

Post-traumatic neuroma (H Molina-Kirsch). 18/10

Epithelioid malignant schwannoma (M Miettinen). 20/9

Cellular schwannoma with necrotizing granulomas (A Nascimento). 22/15

Malignant glandular Triton tumor with neuroendocrine differentiation (C Fisher). 25/8

Epithelioid psammomatous melanotic schwannoma (GJ Berry). 32/2

Peripheral nerve sheath tumor with neuromelanin (M Michal). 32/11

Neurofibroma with epithelioid features and granular cell differentiation (O Dietze). 34/7

Benign schwannoma with cellular (neuroblast-like component) (V Eusebi). 37/6

Dendritic neurofibroma with pseudorosettes (M Michal). 41/16

S-100 negative (then positive) schwannoma (S Suster). 41/18

Reticular perineurioma of soft tissues (T Mentzel). 42/12

Quiz Cases (4). Epithelioid variant of malignant peripheral nerve sheath tumor (vs melanoma with spindle cells, myxoid and balloon cell areas) (S Suster). 44

Myxoid schwannoma (K Cooper). 45/3

Spindle cell melanoma vs. epithelioid malignant peripheral nerve sheath tumor (AM Gown)
46/10

BONE & ARTICULAR SYSTEM

- Clear cell chondrosarcoma of femoral head (J Lamovec). 4/7
- Synovial sarcoma monophasic (S Suster). 4/14
- Periosteal chondrosarcoma, with myxoid features, grade 2, of femur (M Miettinen). 5/10
- Synovial sarcoma of the thigh (JZ Sickel). 6/16
- Chondroblastoma, probably recurrent (IJ Bleiweiss). 7/2
- Metastatic sarcomatoid carcinoma of right humerus, of probable renal origin (J Lamovec). 8/9
- Dedifferentiated chordoma (V Eusebi). 10/7
- TGC of tendon sheath, cellular variant (M Miettinen). 10/12
- Epithelioid monophasic synovialsarcoma (N Weidner). 10/19
- Synovial chondromatosis of temporo-mandibular joint (IJ Bleiweiss). 11/2
- Central chondrosarcoma, gr. III (H Molina-Kirsch). 16/8
- Secondary chondrosarcoma of digit (M Bisceglia)*. 17/3
- Extra-articular pigmented villo-nodular synovitis (?) (DV Spagnolo). 20/14
- ?Monophasic synovial sarcoma of the retroperitoneum (S Suster). 20/15
- Massive chondroid differentiation in fibrous dysplasia of bone (fibrocartilagineous dysplasia) vs fibrocartilaginous mesenchymoma of bone (N Weidner). 20/16
- Dedifferentiated chordoma (AP Dei Tos). 21/5
- Monophasic synovial-sarcoma (V Eusebi). 21/7
- Chondroblastoma of the acetabulum (S Ramon y Cajal). 23/12
- Cartilaginous hamartoma of chest wall (CDM Fletcher). 24/6
- Metastatic malignant mesothelioma to maxillary bone (V Eusebi). 29/8
- Synovial metaplasia in lipoma (M Michal). 30/8
- ?Monophasic synovial sarcoma with metaplastic cartilage (S Suster). 32/15
- Synovial sarcoma with prominent glandular component (C Fisher). 33/9
- Fibroosseous pseudotumor of the digits (LMWeiss). 33/18
- Lipofibromatous hamartoma of the median nerve and lipofibromatous hamartoma of the medial plantar nerve with macrodactyly (M Bisceglia). 34/4
- Malignant tumor, NOS, involving the bone (?metastasis ?extraskelatal myxoid chondrosarcoma) (CE Bacchi). 36/1
- Tumefactive soft tissue extension from longstanding Paget's disease simulating sarcoma (Paget's pseudosarcoma) (DV Spagnolo). 36/16
- Synovial (osteo-)chondromatosis (PP de Saint Maur). 38/18
- Myxoid biphasic synovial sarcoma with SYT-SSX2 fusion transcripts (C Fisher). 37/7
- Chondroblastoma of the sphenoid (V Eusebi). 39/9
- Hyperplastic callus in soft tissue at the site of the fractured surgically fixed femur associated with osteogenesis imperfecta (?type IV) (J Lamovec). 39/14
- Ochronotic arthropathy (M Fukunaga). 44/9
- ? Metastatic osteosarcoma (V Eusebi). 45/7
- Rosai-Dorfman's disease involving the patella (DV Spagnolo). 46/16
- Synovial sarcoma with squamous differentiation (C Fisher). 47/7
- Hydatid cyst (echinococcosis) of bone (O Ben-Itzhak). 49/3
- Perivascular epithelioid cell tumor (PEComa), malignant, probably metastatic (to bone) of unknown primary site (J Lamovec) (51/11)
- Metastatic glioblastoma to bone (J Lamovec). 53/15
- Extraskelatal osteosarcoma (M Miettinen). 53/18
- Primary epithelioid sarcoma of bone. (A Folpe). 55/12