

HEMATOLOGY SLIDE SETS (17 sets, each with subsets A and B)

Updated 6/12/2025

LEGENDS:

PS: PERIPHERAL BLOOD SMEAR

LN: LYMPH NODE

AS: ASPIRATE

CL: CLOT SECTION

TP: TOUCH PREP

BX: BIOPSY

CSF: SPINAL FLUID

PL: PLEURAL FLUID

PR: PERITONEAL FLUID

AC: ASCITES FLUID

JF: JOINT FLUID

BAL: BROCHIAL ALVEOLAR LAVAGE

↓ : THE SAME CASE AS ABOVE

~~XXX~~ (CROSSED OVER): MISSING SLIDE

No slide: NO ASSIGNED SLIDE

+++++

SET 1A

1 BURKITT LYMPHOMA (AS)

2 ↓ (BX)

3 MANY RENAL EPITHELIAL CELLS (URINE)

4 DLBCL (ALVEOLAR MASS)

5 CLL (PS)

6 AML, 60 y/o M (PS)

7 PROSTATE CA (BX)

8 MULTIPLE MYELOMA, S/P CHEMO (AS)

9 ↓ (CL)

10 MICROANGIOPAHIC HEMOLYSIS, TOTAL ARTIFICIAL HEART (PS)

11 LEUKOCYTOSIS, 2 Y/O WITH RDS (PS)

12 BURN, 23 y/o M (PS)

13 LIVER & RENAL FAILURE, 28 y/o F (PS)

14 CLL, 86 y/o F (PS)

15 HCL, 70 y/o M (PS)

16 ↓

17 REFRACTORY ANEMIA (PS)

18 ↓ (PS)

19 ↓ (AS)

20 ↓ (BX)

21 PLASMABLASTIC MYELOMA (TP)

22 ↓ (CL)

23 ↓ (BX)

24 PROSTATE CA MET (TP)

25 ↓ (BX)
 26 SEMEN, NORMAL
 27 MIXED CELL LYMPHOMA (LN)
 28 AML-M2, 68 y/o M (PS)
 29 ↓ (AS)
 30 CHL, MANY HRS CELLS (BX)
 31 ET, 66 y/o F (PS)
 32 ↓ (AS)
 33 ↓ (AS)
 34 ↓ (BX)
 35 DIC SECONDARY TO BURN (PS)
 36 P. FALCIPARUM (PS)
 37 ↓ (PS)
 38 ↓ (PS)
 39 P. VIVAX (PS)
 40 HIV-LYMPHADENOPATHY, PARACORTICAL HYPERPLASIA (LN)
 41 DIC IN SICKLE CELL DISEASE (PS)
 42 BENIGN LYMPHOID AGGREGATE (BX)
 43 TRYPANOSOME (PS)
 44 ↓ (PS)
 45 ↓ (PS)
 46 ↓ (PS)
 47 Hgb E DISEASE (PS)
 48 LYMPHOID AGGREGATE IN SLE (BX)
 49 GRANULOMA, AID PATIENT (BX)
 50 INFECTIOUS MONO (PS)

+++++

SET 1B

51 MELANOMA MET (CSF)
 52 IRON GRANULES (PR)
 53 YEASTS (CSF)
 54 PLASMA CELL LEUKEMIA (PS)
 55 PLASMABLASTIC MYELOMA (AS)
 56 ↓ (BX)
 57 MULTIPLE MYELOMA (AS)
 58 ↓ (BX)
 59 DLBCL, AIDS PATIENT (LN)
 60 HISTOPLASMOSIS (PS)
 61 ↓ (PS)
 62 ↓ (PS)
 63 ↓ (PS)
 64 ↓ (PS)
 65 NORMAL BLOOD SMEAR, AN (PS)
 66 ET (AS)
 67 DLBCL, CD10-POS, cMYC-NEG (PL)

- 68 PERNICIOUS ANEMIA (AS)
- 69 ↓ (BX)
- 70 AML-M4e (AS)
- 71 ALL RELAPSE, 36 Y/O M (CSF)
- 72 TTP (PS)
- 73 DLBCL, WITH CYTOPLASMIC VACUOLES (TP)
- 74 FL (GR 1/3), WITH SUBTLE DISTRIBUTION (BX)
- 75 CLL / SLL (PS)
- 76 ↓ (AS)
- 77 DLBCL, 7% OF WBC (PS)
- 78 CML (PS)
- 79 ↓ (AS)
- 80 ↓ (BX)
- 81 McCUNE AIBRIGHT SYND (AS)
- 82 ↓ (BX)
- 83 AML, 3 Y/O M (PS)
- 84 MSU CRYSTALS IN GOUT (JOINT)
- 85 DIPLOCOCCI, GRAM-NEG (CSF)
- 86 YEASTS (PR)
- 87 T CELL LYMPHOMA, NOS (PS)
- 88 ↓ (AS)
- 89 ↓ (AS)
- 90 ↓ (BX)
- 91 SEVERE LEUKEMOID REACTION (PS)
- 92 SICKLE CELL CRISIS (PS)
- 93 PRIMARY MYELOFIBROSIS (BX)
- 94 PMNS & TOXIC GRANULATIONS (PS)
- 95 CRYPTO (CSF)
- 96 MIXED PHENOTYPE LEUKEMIA, AML/ALL (PS)
- 97 ↓ (AS)
- 98 ↓ (BX)
- 99 B-ALL, WITH SUBTLE MORPHOLOGY, 4 Y/O F (PS)
- 100 ↓ (PS)

+++++

SET 2A

- 1 PANCYTOPENIA 2° TO HYPERSPLENISM (PS)
- 2 CLL, WBC = 30, 85 y/o M, POS FLOW (PS)
- 3 AML-M3, MICROGRAN, WBC= 130, 18 Y/O M (PS)
- 4 ↓ (1:2 DILUTION) (PS)
- 5 AML-M3, MICROGRAN, WBC= 30, 30 Y/O F (PS),
- 6 ↓ (PS)
- 7 ↓ (PS)
- 8 ↓ (PS)
- 9 ALL, B-CELL PRECURSOR (PS),
- 10 ↓(TP)

11 ↓(BX)
 12 BUDDING YEASTS, GMS (CL)
 13 CRENATED CELLS IN UREMIA (C\PS)
 14 RAEB-T (PS)
 15 ↓ (AS)
 16 ↓ (BX)
 17 INFECTIOUS MONONUCLEOSIS (PS)
 18 LEUKEMOID REACTION, NEW BORN (PS)
 19 GRAY PLATELET SYNDROME (PS)
 20 ↓ (PS)
 21 ↓ (PS)
 22 TCRHR-LARGE B Cell LYMPHOMA (LN)
 23 BREAST CA MET (TP)
 24 ↓(CL)
 25 ↓(BX)
 26 SMALL CELL CA (LUNG) MET (bx)
 27 ITP (PS)
 28 ↓(AS)
 29 ↓(BX)
 30 SIGNET-RING MACROPHAGES (AC)
 31 SMALL CELL CA (BREAST) MET (BX)
 32 WALDENSTROM (AS)
 33 GRAY-ZONE DLBCL/BURKITT (AS)
 34 REACTIVE MESOTHELIAL CELLS (AC)
 35 ↓(AC)
 36 CML IN ACCELERATED PHASE (BX)
 37 COLD AGGLUTININ (PS)
 38 MYELOFIBROSIS VS. ATYP CML (bx)
 39 SCCL (BX)
 40 ↓(BX)
 41 LARGE Cell LYMPHOMA (BX)
 42 ↓(PS)
 43 AIHA, 5 y/o F (PS)
 44 PLASMA CELL LEUKEMIA (PS)
 45 MIXED PLASMODIUM (FAULC + VIVAX) (PS)
 46 P. VIVAX (PS)
 47 LARGE Cell LYMPHOMA (CSF)
 48 LYMPHOCYTOSIS, AIDS PT (CSF)
 49 AFB, QC
 50 GMS, QC
 ++++++

SET 2B

51 GRANULOMA & APLASTIC ANEMIA (BX)
 52 HODGKIN LYMPHOMA, NS (BX)
 53 AML, M4 (PS)

54 ↓(AS)
55 ↓(BX)
56 ↓(BX)
57 AML, M4 (PS)
58 AML, M3 (AS)
59 ↓(AS)
60 ↓(TP)
61 SLL (BX)
62 REFRACTORY ANEMIA (AS)
63 KI-1 LYMPHOMA (BX) [KI-1 : CD30]
64 CLL (PS)
65 PLASMAELASTIC MYELOMA (TP)
66 BURKITT LYMPHOMA (AC)
67 ↓(AS)
68 ↓(AS)
69 ↓(AS)
70 ↓(AS)
71 ↓(BX)
72 ↓(BX)
73 ↓OIL RED O (CONTROL)
74 ↓OIL RED O
75 ↓OIL RED O
76 SCCL, PARATRABECULAR (BX)
77 MANTLE CELL LYMPHOMA (AS)
78 AML, FLT3(+)/NPM1(+) , FISHMOUTH BLASTS (PS)
79 MANTLE CELL LYMPHOMA (BX)
80 BURKITT LYMPHOMA (TP)
81 ↓(BX)
82 PYROPOIKILOCYTOSIS (PS)
83 P. FALCIPARUM, THIN SMEAR (PS)
84 ↓ , THICK SMEAR (PS)
85 ITP (PS)
86 ↓ (BX)
87 ALL IN A 14 y/o M (PS)
88 RED CELL APLASIA, 66 y/o F, Hgb=3 (PS)
89 AML-M2 (PS)
90 ↓(AS)
91 ↓(BX)
92 Hgb SC DISEASE, C CRYSTALS (PS)
93 APLASTIC ANEMIA (BX)
94 B CELL LYMPHOMA IN PLEURAL FLUID (PL)
95 OVARIAN CA (PR)
96 CLL IN PLEURAL FLUID (PL)
97 HEMOSIDERIN-LADEN MACROPHAGES (PL)
98 GRANULOMA, MILIARY TB (BX)
99 SEVERE LEUKEMOID REACTION (PS)

100 RAEB WITH ALIP (BX)

+++++

SET 3A

- 1 SEVERE IRON DEFICIENCY (AS)
- 2 ↓(BX)
- 3 AML, M4e (PS)
- 4 ↓(AS)
- 5 CML IN PLACENTA, 32F , DELIVERED (PLACENTA)
- 6 LG LYMPHOPROLIFERATIVE DIS (PS)
- 7 ↓ (AS)
- 8 ↓ (BX)
- 9 SEVERE THROMBOCYTOSIS, PLT= 1,300 (PS)
- 10 SEVERE LEUKEMOID RXN, MIMICKING CML (PS)
- 11 LARGE CELL LYMPHOMA (AS)
- 12 ↓(TP)
- 13 ↓(BX)
- 14 EARLY MYELOPROLIFERATIVE DISORDER (PS)
- 15 ↓ (BX)
- 16 GRANULOCYTIC SARCOMA (PL)
- 17 ↓(MEDIAS. MASS) (AS)
- 18 BREAST CA MET (PL)
- 19 NUPOGEN TX (PS)
- 20 PLASMA BLASTIC MYELOMA, S/P CHEMO (AS)
- 21 ↓(BX)
- 22 P. VIVAX , HEPATIC RESIDUAL (PS)
- 23 RENAL OSTEODYSTROPHY IN LUPUS NEPHRITIS (BX)
- 24 HODGKIN LYMPHOMA, MIXED CELLULARITY (AS)
- 25 ↓ (CL)
- 26 ↓ (BX)
- 27 ELONGATED RBCS MIMICKING SICKLE CELLS (PS)
- 28 POORLY DIFF. CA, METASTASIS (CL)
- 29 ↓(BX)
- 30 APL, HYPERGRANULAR, 40 y/o M (PS)
- 31 SCCL WITH PARATRABECULAR DIST. (BX)
- 32 IDIOPATHIC HYPEREOSINOPHILIC SYND (CL)
- 33 ↓(BX)
- 34 ADENOCARCINOMA MET, 1° UNKNOWN (CL)
- 35 ↓(BX)
- 36 GRANULOCYTIC HYPERPLASIA (AS)
- 37 ↓(BX)
- 38 REACTIVE BONE MARROW, AIDS (BX)
- 39 DLBCL, ANAPLASTIC VARIANT (CD30 POS) (LN)
- 40 CMML, MYELOPROLIF SUBTYPE (AS)
- 41 ↓ (TP)
- 42 ↓ (CL)

- 43 ↓ (BX)
- 44 HEREDITARY ELLIPTOCYTOSIS (PS)
- 45 THALASSEMIA (PS)
- 46 ACUTE LEUKEMIA VS RAEB-T (PS)
- 47 ↓(TP)
- 48 ↓(BX)
- 49 AML-M4, WBC= 220K (PS)
- 50 AML- M2, WITH AUER RODS (PS)
- +++++

SET 3B

- 51. AML-M2, WITH AUER RODS (PS)
- 52. MALT LYMPHOMA, 69 y/o F (L CONJUNCTIVA)
- 53. PLASMA CELL LEUKEMIA (PS)
- 54. Rh INCOMPATIBILITY IN NEW BORN (PS)
- 55. ESSENTIAL THROMBOCYTOTHESIA (PS)
- 56. ↓(AS)
- 57. ↓(BX)
- 58. MYELOPROLIFERATIVE WITH PNEUMONIA, ON HYDREA (PS)
- 59. MENINGITIS, PARTIALLY TREATED (CSF)
- 60. ESSENTIAL THROMBOCYTHEMIA, PLT=1.7 M (AS)
- 61. HELLP SYND (PS)
- 62. WARM AUTO AB IN SLE (MICROSPHEROCYTES) (PS)
- 63. RODS (GRAM NEG RODS BY MICRO STAINS) (PL)
- 64. B12 DEFICIENCY (PS)
- 65. ↓ (AS)
- 66. ↓, IRON STAIN (CL)
- 67. ↓ (BX)
- 68. P. VERA (PS)
- 69. SEPSIS WITH RODS (PS-BUFFY COAT)
- 70. STRONGYLOIDES, GMS STAIN (PL)
- 71. BREAST CA MET. (PL)
- 72. ADENOCARCINOMA - LUNG (PL)
- 73. RAEB-T (PS)
- 74. REACTIVE MESOTHELIAL CELLS (PR)
- 75. LGL (PS)
- 76. CLL/PLL (PS)
- 77. STREP PNEUMONIA (CSF)
- 78. SEVERE LEUKEMOID REACTION (PS)
- 79. VIRAL MENINGITIS, PEDIATRIC PT (CSF)
- 80. URIC ACID CRYSTALS, WRIGHT STAIN (KNEE FLUID)
- 81. ↓, CYTOSPIN (KNEE FLUID)
- 82. REACTIVE LYMPHOCYTES, T CELLS BY FLOW (PL)
- 83. B. PERTUSSIS, 15 W/O , WBC= 5.6 (PS)
- 84. MALIGNANT HTN (PS)
- 85. AML- M6 (AS)

86. ↓(AS)
87. ↓(BX)
88. CARCINOMA IN BM (TP)
89. ↓(BX)
90. ↓(PS)
91. ACUTE LEUKEMIA (PS)
92. REACTIVE (ATYP) LYMPH, PEDI PT (PS)
93. PLASMA CELL LEUKEMIA (PS)
94. HISTOPLASMA IN BM (AS)
95. REFRACTORY ANEMIA, ABNL CYTOGENETICS, 64 y/o F (AS)
96. REACTIVE MONOCYTOSIS (VS CMML) (PS)
97. ↓ (AS)
98. ACUTE LEUKEMIA, 40 y/o M (PS)
99. NORMAL BLOOD SMEAR (PS)
100. CLL, MIMICKING HCL, A FEW SMUDGE CELLS, 58 y/o F (PS)

+++++

SET 4A

- 1 ADENOCARCINOMA METASTASIS (TP)
- 2 ↓ (BX)
- 3 GRANULOCYTIC SARCOMA (PS)
- 4 ↓ (BX)
- 5 CLL WITH WARM AUTO AB (PS)
- 6 HODGKIN LYMPHOMA-NS, METASTASIS (BX)
- 7 LARGE B-CELL LYMPHOMA (PL)
- 8 RAEB (BLAST 9%) (AS)
- 10 LARGE B-CELL LYMPHOMA, (CSF)
- 11 ↓ (TRANSFORMED FROM FL) (CSF)
- 12 P. FALCIPARUM (PS)
- 13 SEVERE LEUKEMOID RXN, SEPSIS (PS)
- 14 NUPOGEN TREATMENT (PS)
- 15 CA METASTASIS (MUCIN+, KERATIN+) (BX)
- 16 MULTINUCLEATED GIANT CELLS (PL)
- 17 FOLLICULAR LARGE CELL LYMPHOMA (BX)
- 18 ACUTE LEUKEMIA, ADULT, WBC=87 (PS)
- 19 REACTIVE MESOTHELIAL CELLS (PR)
- 20 SEVERE LEUKEMOID REACTION (PS)
- 21 PLASMABLASTIC MYELOMA (AS)
- 22 ↓ (CL)
- 23 ↓ (BX)
- 24 BREAST ADENOCARCINOMA METASTASIS (TP)
- 25 ↓ (BX)
- 26 HIGH-GRADE LYMPHOMA, AIDS (BX)
- 27 B12 DEFICIENCY (PS)
- 28 SEVERE LEUKEMOID REACTION (PS)
- 29 GELATINOUS TRANSFORMATION (BX)

30 BILINEAL ACUTE LEUKEMIA (AML, T-ALL) (PS)
 31 ↓ (AS)
 32 ↓ (BX)
 33 B12 DEFICIENCY WITH LOW NORMOBLASTS (AS)
 34 HISTOPLASMA, GMS STAIN (BX)
 35 CANDIDA PARAPSILOSIS (PS)
 36 ALL, 4 Y/O FEMALE (PS)
 37 COCCI IN CSF (CSF)
 38 H-J BODIES, PAPPENHEIMER BODIES (PS)
 39 DOHLE BODIES (PS)
 40 SQUAMOUS CELL CA, LUNG (PL)
 41 CML, S/P CHEMO, OSTEOMYELOSCLEROSIS (PS)
 42 ↓ (BX)
 43 VIRAL MENINGITIS, 64 Y/O F (CSF)
 44 ↓ (CSF)
 45 BACCILI (BACTEROID FRAGILIS) (PL)
 46 CLL/SLL, 68 Y/O M WITH COLONIC CA (PS)
 47 ↓ (BX)
 48 P. VIVAX, 17 Y/O F (PS)
 49 P. FALCIPARUM, THIN SMEAR (PS)
 50 ↓ , THICK SMEAR (PS)

+++++

SET 4B

51 HISTO PLASMA, RARE (PR)
 52 P. FALCIPARUM GAMETOCYTE, S/P TX (PS)
 53 INTRACELLULAR GRAM NEG RODS (PS)
 54 AML-M2, 11 Y/O M & NECK MASS (PS)
 55 MYELOFIBROSIS (PS)
 56 ↓ (BX)
 57 FETAL TWIN TRANSFUSION (A->B), TWIN A (PS)
 58 ↓ TWIN B (PS)
 59 HDN, 1 D/O (A POS), MOTHER O POS (PS)
 60 COLD AGGLUTININ & WARM AUTO, 6 y/o, PREWARM (PS)
 61 ↓, POSTWARM (PS)
 62 ATYP LYMPHOID AGGREGATE (BX)
 63 ALL, 5 Y/O F (PS)
 64 ↓ (AS)
 65 CML, 36 Y/O F, 7 WK PREGNANT (PS)
 66 TRANSIENT MYELOPROLIF, 1 d/o F, 4% Blasts (PS)
 67 REACTIVE THROMBOCYTOSIS, 3 Y/O M, PLT=2.5k (PS)
 68 P. VIVAX, 48 Y/O M, LIVING FOR 18 YRS IN US (PS)
 69 TRANSIENT MYELOPROLIF (SAME PT AS IN #4.66), 1 M/O (PS)
 70 BREAST ADENOCARCINOMA (TP)
 71 ↓ (BX)
 72 HEMATIN CRYSTAL (PL)

- 73 RENAL OSTEODYSTROPHY IN MYELOMA (BX)
- 74 HODGKIN LYMPHOMA IN BM (BX)
- 75 IgA MYELOMA (AS)
- 76 REACTIVE LEUKOCYTOSIS, WBC =70, NEWBORN (PS)
- 77 PARVO VIRUS B-19 (AS)
- 78 PSEUDO GOUT [CALCIUM PYROPHOSPHATE] (JF)
- 79 ↓(JF)
- 80 ↓, UNSTAINED (JF)
- 81 AML- M4 (PS)
- 82 ↓ (AS)
- 83 LEUKEMOID RXN & MACROCYTIC ANEMIA (PS)
- 84 WARM AUTO WITH RETICULOCYTOSIS (PS)
- 85 ↓, RETIC STAIN (PS)
- 86 ↓ (AS)
- 87 WARM & COLD AUTOANTIBODIES (PS)
- 88 ↓, PREWARM (PS)
- 89 RBC RESEMBLING SICKLE CELLS (PS)
- 90 PLASMACYTOSIS IN HIV, NAKED MEG (AS)
- 91 PLASMA Cell MYELOMA, IgA (PS)
- 92 ↓(AS)
- 93 CMML, S/P CHEMO, LOW PLT & WBC (PS)
- 94 CML, 36 Y/O F, 5 MONTH PREGNANT (PS)
- 95 HEREDITARY SPHEROCYTOSIS (PS)
- 96 ↓, POST TRANSFUSION (PS)
- 97 P. VIVAX, 20 Y/O F, 6 MONTH PREG (PS)
- 98 RAEBT (20% BLAST) (PS)
- 99 ↓ (AS)
- 100 ↓, HYPOCELLULAR BX (BX)

+++++

SET 5A

- 1 SEVERE IRON DEF, HYPERCELLULAR BM (BX)
- 2 ATYP LYMPHOID AGGREGATE, HIV (+) (BX)
- 3 FOLLICULAR LYMPHOMA, MIXED (BX)
- 4 ~~LEUKEMOID RXN, WBC=78 (PS)~~
- 5 TOXIC GRANULATIONS, WBC=45 (PS)
- 6 AML- M5b , WBC=16, 53% MONO (PS)
- 7 ↓, 40% MONOBLASTS (AS)
- 8 MYELOMA, IgG-K and FREE LAMBDA (TP)
- 9 CLL, WBC=30, 60%L, 71 Y/O M (PS)
- 10 TOXIC GRANULATIONS, WBC=30 (PS)
- 11 LYMPHOBLASTIC B CELL LEUKEMIA (PS)
- 12 ↓ (AS)
- 13 ↓ (AS)
- 14 ↓ (AS)
- 15 ↓ (BX)

16 IRON & B12/FOLATE DEFICIENCY (PS)
 17 PLASMODIUM VIVAX (PS)
 18 ↓ (PS)
 19 ALL, 14 M/O M, WBC =76, PLT= 250 (PS)
 20 MESOTHELIAL HYPERPLASIA VS. MESOTHELIOMA (PL)
 21 AML-M3 (HYPO GR), 25 Y/O F (PS)
 22 SICKLE CELLS (PS)
 23 AML- M3 (HYPO GR) , 32 Y/O M (PS)
 24 ↓(PS)
 25 CLL, 69 Y/O M, WBC= 27, L56% (PS)
 26 HODGKIN LYMPHOMA, NS, 26 y/o M (BX)
 27 RBCS RESEMBLING SICKLE CELLS (PS)
 28 CLL WITH WARM AUTO (PS)
 29 ALL, WBC=339 (PS)
 30 AML-M2 , WITH FIBROSIS, 67 Y/O F (AS)
 31 ↓ (BX)
 32 MANTLE CELL LYMPHOMA, LEUKEMIC PHASE (PS)
 33 AML-M1, THERAPY RELATED, 67 Y/O F (PS)
 34 PRIMARY CUTANEOUS ALCL (SKIN BX)
 35 HIGH MCV DUE TO 11% RETIC, NEWBORN (PS)
 36 PENCIL RBCS MIMICKING SICKLE CELLS (PS)
 37 CONGO RED STAIN, POS CONTROL
 38 REACTIVE MESOTHELIAL CELLS (PR)
 39 LYMPHOCYTOSIS, BENIGN 59 Y/O F (PS)
 40 HISTOPLASMA, 42 Y/O F, HIV(+) (PS)
 41 LEUKEMIC PHASE OF SLL, 44 y/o M (PS)
 42 ITP WITH FIBROID BLEEDING, 45 Y/O F (PS)
 43 ↓(AS)
 44 ↓(BX)
 45 ~~NUPOGEN, WBC=103, 41 Y/O F (PS)~~
 46 LEUKEMOID RXN, NEWBORN, WBC=68 (PS)
 47 ACUTE NK CELL LEUKEMIA (PS)
 48 ↓ (AS)
 49 DIC WITH NRBC=448, 1 D/O F (PS)
 50 CLL, 85 Y/O M, WBC= 150 (PS)
 ++++++

SET 5B

51 AML-M5b, 57 Y/O F (PS)
 52 ↓(AS)
 53 ↓(BX)
 54 CML, ACC PHASE (BLAST 16%), 66 Y/O M (PS)
 55 ↓(AS)
 56 ↓(BX)
 57 BREAST CA (INTRADUCTAL), 68 Y/O F (PR)
 58 ↓(PR)

59 GELATINOUS TRANSFORMATION, 42 Y/O F, SLE (BX)
 60 SLL, LEUKEMIC PHASE, 44 Y/O M (PS)
 61 ↓(PS)
 62 ↓(TP)
 63 ↓(BX)
 64 LEUKEMOID RXN, WBC= 73, 21 D/O M (PS)
 65 HISTOPLASMA (RARE), 43 Y/O M, AIDS (PS)
 66 ↓, BUFFY COAT (PS)
 67 CLL, 39 Y/O F (PS)
 68 ATYP LYMPH, 5 Y/O F , VIRAL INFECTION (PS)
 69 P. FALCIPARUM, 6 Y/O F, 10% LOAD (PS)
 70 ↓, POST REC EXCHANGE, 2% LOAD (PS)
 71 ↓, 2ND POST REC EXCHANGE, 1% LOAD (PS)
 72 AMYLOIDOSIS, POS SPEP, NO MYELOMA (BX)
 73 ABO-HDN, T. BILI=5.5 (PS)
 74 HEMOSIDERIN, 2 D/O F (CSF)
 75 SICKLE CELL DISEASE, 46 Y/O M, NO HISTORY OF CRISIS (PS)
 76 SMALL GRANULOMA, HIV-POS PT (BX)
 77 LYMPHOBLASTIC LYMPHOMA (T-CELL) (PS)
 78 ↓(AS)
 79 CML IN BLAST CRISIS, B-CELL LYMPHOBLASTS (PS)
 80 ↓ (PS)
 81 ↓, NECROSIS (AS)
 82 ↓ (TP)
 83 ↓, BLASTS, NECROSIS (BX)
 84 REACTIVE LYMPHOCYTOSIS, 7 M/O F (PS)
 85 ASEPTIC NECROSIS OF BM, 46 Y/O M, Hgb SS DISEASE (PS)
 86 ↓(BX)
 87 CRYPTO, 52 y/o M (CSF)
 88 BREAST DUCTAL CA, 50 Y/O F (PL).
 89 CRYPTOCOCCI, 37 Y/O M, HIV POS (CSF)
 90 FOAMY MACROPHAGES, 55 Y/O M (PR)
 91 MULTIPLE MYELOMA, 39 Y/O F (AS)
 92 IRON AND B12/FOLATE DEFICENCY, 34 Y/O M, ALCOHOLIC, BLEEDING (PS)
 93 ↓ (ASP)
 94 HEINZ BODIES, POS CONTROL (PS)
 95 INTRACELLULAR COCCI (PR)
 96 NEUROBLASTOMA, 4 Y/O M (AS)
 97 PAPPENHEIMER BODIES, S/P SPLENECTOMY (PS)
 98 PTLD, POLYMORPHIC, 10 Y/O F (PS)
 99 ↓(BX)
 100 ↓(LN)

+++++

SET 6A

- 1 LEUKEMOID REACTION (PS)
- 2 ALL (PRE-B) (PS)
- 3 ↓(AS)
- 4 ↓(BX)
- 5 ALL (B-CELL PRECURSOR) (AS)
- 6 ↓ (BX)
- 7 BLAST CELLS (PS)
- 8 ↓(PL)
- 9 GRANULOMA (CL)
- 10 ↓(BX)
- 11 ↓(BX)
- 12 LYMPHOMA (BX)
- 13 MULTIPLE MYELOMA (BX)
- 14 AML-M2 (PS)
- 15 ↓(AS)
- ~~16 ↓(BX)~~
- 17 ↓ MPO CYTOCHEMICAL STAIN
- 18 EOSINOPHILIA (PL)
- 19 CLL, WBC =400 (PS)
- 20 GRANULOMA, AFB-POS (BX)
- 21 ↓ (CL)
- 22 P. FALCIPARUM (PS)
- 23 MYELOMA & PC LEUKEMIA (PS)
- 24 ↓ (AS)
- 25 PHAGOCYTOSIS (RBC, PMN) (PL)
- 26 MARGINAL ZONE LYMPHOMA (BX)
- 27 T CELL LYMPHOBLASTIC LYMPHOMA (PS)
- 28 P. VIVAX, 17 Y/O F (PS)
- 29 INTRACELLULAR COCCI, CLUSTER (CSF)
- 30 SMALL CELL CA (PL)
- 31 REACTIVE MONOCYTOSIS (PS)
- 32 SEPSIS, PREMATURITY, 2 W/O F (PS)
- 33 MALT, 63 y/o F WITH SJOGREN (PAROTID GLAND)
- 34 ↓ (PAROTID GLAND)
- 35 HEMOPHAGOCYTOSIS, 14 Y/O M, PANCYTOPENIA (AS)
- 36 SMUDGE CELLS, T-CELL PTLD, 10 Y/O F (PS)
- 37 ↓, WITH ALBUMIN (PS)
- 38 AML-M5, WBC= 343, 33 Y/O F (PS)
- 39 GI BLEED, HEPATORENAL FAILURE, 57 Y/O M (PS)
- 40 TTP, 53 Y/O M, PLT =20, LDH= 2,400 (PS)
- 41 PERITONITIS, PANCREATITIS, 40 Y/O F (PR)
- 42 AML-M3, MICROGRAN (ATYP), 81 Y/O F (PS)
- 43 AML-M2, 47 Y/O F, WBC= 18, BLAST 60% (PS)
- 44 HIV, 47 Y/O M, PANCYTOPENIA (PS)

- 45 ↓ LEFT SHIFT (AS)
- 46 REACTIVE THROMBOCYTOSIS, PLT= 1.3K, 57 Y/O F (PS)
- 47 BRAIN TISSUE, NEONATE (CSF)
- 48 CHOROID PLEXUS, NEONATE (CSF)
- 49 CLL, 18% PROLYMPHOCYTES (PS)
- 50 LARGE DÖHLE BODIES, SEPSIS (PS)

+++++

SET 6B

- 51 SEVERE LEUKEMOID RXN & BLASTS, 1 M/O (PS)
- 52 SUSPICIOUS FOR MALIGNANCY (PL)
- 53 ↓ (PL)
- 54 PLASMA CELL LEUKEMIA, 60% PC (PS)
- 55 LARGE B CELL LYMPHOMA (CSF)
- 56 AML-M7 (PS)
- 57 ADENOCA, 52 Y/O F (PR)
- 58 NUPOGEN, WBC= 63 (PS)
- 59 PRECURSOR B-ALL, 19 Y/O F (PS)
- 60 ↓ (AS)
- 61 INTRACELLULAR BACILLI (PS)
- 62 LGL, 60% LYMPH (PS)
- 63 AML-M5 ,WITH BURKITT-LIKE CELLS (AS)
- 64 AML-M3, 26 Y/O F, WBC =3.9 (PS)
- 65 CMML, 91 Y/O F, WBC =102 (PS)
- 66 ATYP CML (PS)
- 67 ↓ (PS)
- 68 ↓ (AS)
- 69 ↓ (CL)
- 70 ↓ (BX)
- 71 LEUKEMOID RXN & BLASTS, 1 D/O PREMIE (PS)
- 72 VILLOUS LYMPHOCYTES (BENIGN) (PS)
- 73 ALL, WBC=90, 1 Y/O F (PS)
- 74 BLASTS, MULTIPLE TRAUMA, 37 Y/O M (PS)
- 75 NUPOGEN, BLASTS= 10%, 69 Y/O M (AS)
- 76 NRBCS, CA MET, 52 Y/O M (PS)
- 77 CLL, PSEUDO FOLLICLES (BX)
- 78 MESOTHELIAL CELLS MIMICKING MALIGNANCY (PR)
- 79 ↓, DILUTION (PR)
- 80 ↓, DILUTION (PR)
- 81 FOLLICULAR HYPERPLASIA (LN)
- 82 CRYPTO, 56 Y/O F, HIV(+) (BX)
- 83 DIFFUSE LARGE B-CELL LYMPHOMA, 59 Y/O M (LN)
- 84 ↓ (TP)
- 85 CLL, HIV-POS PT, BEFORE ALBUMIN (PS)
- 86 ↓, WITH ALBUMIN (PS)
- 87 P. FALCIPARUM, 17% LOAD (PS)

88 ↓, 6 DAYS POST TX, GAMETOCYTES APPEARED (PS)

89 HL-LYMPHOCYTE RICH, 8 Y/O M (LN)

90 HAIRY-CELL LEUKEMIA, 47 Y/O M (AS)

91 ↓(BX)

92 TTP, 27 Y/O M, PLT=7, LDH=4,000 (PS)

93 LYMPHOBLASTS, 3 M/O, PREMIE & INFECTION (PS)

94 RENAL PT & HEMOLYSIS, ON EPO (AS)

95 ↓(BX)

96 URIC ACID CRYSTALS & CPPD (FEW) CRYSTALS (JF)

97 SEVERE B12 DEFICIENCY (AS)

98 ↓(BX)

99 no slide

100 no slide

+++++

SET 7A

1 CLL, 70 y/o M, S/P CHEMO, NO RESIDUAL CLL; BENIGN LYMPHOID AGGR (BX)

2 HCL, S/P 2CDA, 47 Y/O M (PS)

3 SMALL CELL CA (LUNG), 45 y/o M (BX)

4 Hgb F 1%, WBC= 30 (PS)

5 AML-M4, INV(16), 20 y/o M, S/P CHEMO x2 DAYS (PS)

6 ↓(PS)

7 ↓(AS)

8 ↓(BX)

9 PROSTATE CA, 77 Y/O M (BX)

10 DIFFUSE LARGE B-CELL LYMPHOMA (LN)

11 ↓(CSF)

12 ↓(PR)

13 ACUTE LEUKEMIA, 49 y/o F WITH LEG PAIN (PS)

14 SEVERE B12 DEF, 62 Y/O F (PS)

15 CHRONIC RENAL FAILURE: MICRO HYPO ANEMIA, HYPERSEG PMNS (PS)

16 ALL, PRECURSOR-B, 47 Y/O F (PS)

17 ↓(AS)

18 ↓(TP)

19 ↓(CL)

20 ↓(BX)

21 TTP, 32 Y/O M, PLT=24 (PS)

22 ~~HEREDITARY SPHEROCYTOSIS, 7 Y/O F (PS)~~

23 ↓(PS)

24 SLL/PLASMA CELL DYSCRASIA (PS)

25 ↓(AS)

26 ↓(BX)

27 ITP, 52 Y/O F, S/P TX FOR 3 DAYS (PS)

28 ↓(BX)

29 HEMATIN CRYSTALS, 64 Y/O M, SAH (CSF)

30 CRYTO, 37 Y/O M, HIV-POS (CSF)

31 PLATELET CLUMPS WITH PSEUDOTHROMBOCYTOPENIA (EDTA) (PS)
 32 APL, MICROGRAN, 28 Y/O M, WBC= 21 (PS)
 33 ↓(PS)
 34 CLL, 87 Y/O M, WBC= 22, 63%L (PS)
 35 ABO-HDN, 3 D/O F, POS DAT (PS)
 36 HS (PS)
 37 CLL, WBC= 83, PROLYMPH 9%, 75 y/o M (PS)
 38 ↓, WITH ALBUMIN (PS)
 39 AML-M2, 38 y/o F, WBC =15.9 (PS)
 40 ↓ (AS)
 41 ↓ (BX)
 42 BURKITT LYMPHOMA, 45 y/o M, HIV-POS (PS)
 43 ↓(AS)
 44 ↓(BX)
 45 PYRUVATE KINASE DEF, 2 Y/O M (PS)
 46 BREAST CA, 61 Y/O F (PL)
 47 PLASMA CELL MYELOMA, 34 Y/O M (PS)
 48 ↓(PS)
 49 CANDIDA ALBICAN (CSF)
 50 ~~no slide~~

+++++

SET 7B

51 GRANULOCYTIC HYPOPLASIA, 49 y/o F , MEDICINE EFFECT (AS)
 52 ↓ (BX)
 53 MDS VS. AML INDUCED BY CHEMO, 52 y/o F (PS)
 54 ATYP LYMPHOID AGGREGATE, 43 y/o F with SLE (BX)
 55 P. VIVAX, 56 y/o M, AFTER HONDURAS VISIT (PS)
 56 SC DISEASE, 52 y/o F (PS)
 57 CANDIDA GLABRATA, 43 y/o M (PS)
 58 SICKLE CELL DISEASE & B12 / FOLATE DEFICIENCY, 38 y/o M (PS)
 59 ↓ (PS)
 60 HISTIOCYTES & RARE SQUAMES IN BAL (BAL)
 61 SC DISEASE, 19 Y/O F (PS)
 62 C. ALBICAN (PSEUDO HYPHAE) (CSF)
 63 ITP WITH IRON DEF, 2 Y/O M (PS)
 64 MDS WITH MULTIPLE CHROMOSAL ABNORMALITIES, 65 y/o M (AS)
 65 ↓ (TP)
 66 DIFFUSE LARGE B-CELL LYMPHOVA, 50 y/o M (BRAIN BX)
 67 AML-M6, 75 Y/O F (AS)
 68 ↓ (TP)
 69 AML-M5, 55 Y/O M (PS)
 70 ↓ (AS)
 71 ↓ (BX)
 72 PLT SATELLITOSIS, 49 Y/O F (PS)
 73 GRANULOMA, 54 Y/O F WITH SARCOIDOSIS (BX)

74 DLBCL, NEG B CELL MARKERS, 79 Y/O F (PL)
 75 ↓(PL)
 76 ↓(PL)
 77 DLBCL (T-CELL RICH), 46 y/o M (BX)
 78 MANTLE Cell LYMPHOMA (PS)
 79 ALL, WBC= 108, 19 Y/O M (PS)
 80 SLL (LN)
 81 DLBCL (LN)
 82 CPPD CRYSTALS (JF)
 83 SARCOIDOSIS, 48 Y/O F (BX)
 84 P. FALCIPARUM, 9% LOAD, 26 Y/O M (PS)
 85 SICKLE CELL DISEASE, S/P EXCHANGE, 26%S, 28 y/o M (PS)
 86 PCP (BAL)
 87 HELLP SYND, 18 y/o F, 21 WK GESTATION (PS)
 88 MDS (REFRACTORY ANEMIA), +8, +2, 85 Y/O F (AS)
 89 ↓ (BX)
 90 RDS, IMMATURITY (26 WK GEST), 2 D/O M (PS)
 91 MAY-HEGGLIN, 28 Y/O F, MOTHER, PLT=261 (PS)
 92 ↓, TWIN GIRL 1, PLT=90 (PS)
 93 ↓, TWIN GIRL 1, PLT=90 (PS)
 94 ↓, TWIN GIRL 2, PLT=82 (PS)
 95 FETAL RED CELLS =5% (PS) (K-H test)
 96 HJ-LIKE BODIES IN PMNS, 5 Y/O M, S/P OLT (PS)
 97 ~~PAPPENHEIMER + HJ BODIES, 48 y/o F, SSD (PS)~~
 98 BANANA-SHAPED GAMETOCYTES, 20 y/o M WITH P. FALCIPARUM, S/P TX (PS)
 99 ↓ (PS)
 100 no slide

+++++

SET 8A

1 WALDENSTRÖM MACROGLOBULINEMIA/LPL, 59 y/o M (PS)
 2 ↓ (AS)
 3 ↓ (BX)
 4 AMYLOIDOSIS, 55 Y/O F with MYELOMA (CL)
 5 ↓ (BX)
 6 ACUTE ITP, 27 Y/O F WITH SLE (PS)
 7 ANEMIA OF CHRONIC DISEASE, NORMOCHROMIC NORMOCYTIC (PS)
 8 IRON DEFICIENCY ANEMIA (PS)
 9 FULMINANT DIC, 41 y/o M WITH AIDS (PS)
 10 DIC IN 28 Y/O F & SCD, SEPSIS (PS)
 11 TRANSIENT MPD, 2 D/O BOY WITH RES DISTRESS (PS)
 12 WARM AUTO (DRUG-INDUCED), COLD AGGLUTININ (PS)
 13 HAIRY CELL LEUKEMIA, 48 y/o F (PS)
 14 ↓ (BX)
 15 OVARIAN CA, 78 y/o F (PR)
 16 CLL, PLEURAL EFFUSION (PL)

- 17 SEVERE REACTIVE THROMBOCYTOSIS, 21 y/o M (PS)
- 18 SEVERE LEUKEMOID RXN, 16 y/o M (PS)
- 19 URIC ACID CRYSTALS (GOUT) (JF)
- 20 IRON DEFICIENCY ANEMIA, 50 y/o M (PS)
- 21 MSU (GOUT) CRYSTALS, WRIGHT STAIN (JF)
- 22 ↓ UNSTAINED (JF)
- 23 LUNG CA, 80 y/o F, CK7-pos, TTF1-neg (PL)
- 24 GR(+) COCCI, INTRACELLULAR (PS)
- 25 AMYLOIDOSIS, 71 y/o M WITH MYELOMA (TONGUE)
- 26 BURKITT LYMPHOMA, 2 y/o F (R-NASAL ORBITAL MASS)
- 27 HL-NS, 28 y/o F (CERV LN)
- 28 PTCL, 60 y/o M, (AXIL LN)
- 29 PTCL, 64 y/o M (CERV LN)
- 30 SEVERE LEUKEMOID RXN, 1 d/o F, WBC =94 (PS)
- 31 ↓ WBC=62 (PS)
- 32 HJ-LIKE BODIES, 56 y/o M WITH SEPSIS (PS)
- 33 AML, S/P CHEMO, MYELOFIBROSIS, MASTOCYTOSIS (BX)
- 34 HCL 47 y/o M (PS)
- 35 ↓ (PS)
- 36 ↓ (AS)
- 37 ↓ (BX)
- 38 DLBCL, 34 y/o F (KIDNEY MASS)
- 39 ↓ (PANCREAS MASS)
- 40 DLBCL (25%) & FL Gr 2/3 (75%), 57 y/o M (LN)
- 41 X-LINKED THROMBOCYTOLENTIA, 22 y/o M (PS)
- 42 ↓ (PS)
- 43 ↓ (TP)
- 44 ↓ (BX)
- 45 ACANTHOCYTES, 42 y/o WITH LIVER CIRRHOSIS (PS)
- 46 CLL, WBC=93, 75 y/o M (PS)
- 47 HJ + PAPPENHEIMER BODIES, SIDEROBLASTIC ANEMIA, S/P SPLENECTOMY (PS)
- 48 HJ-LIKE BODIES, HIV(+), 22 y/o M (PS)
- 49 MOTT CELLS, 98 y/o F (PS)
- 50 PLASMACYTOMA, 74 y/o F (VETEBRAL BX)

+++++

SET 8B

- 51 HJ BODIES, 32 y/o F WITH TTP, S/P SPLENECTOMY (PS)
- 52 FETAL HGB= 2.2% (PS)
- 53 THYMOMA, 57 y/o M (MEDIAS. MASS)
- 54 AML-M2, 56 y/o M (PS)
- 55 ↓ (AS)
- 56 ↓ (BX)
- 57 AML-M5a, 5 w/o F (PS)
- 58 ↓ (AS)
- 59 ↓ (AS)

60 CLL, ATYP MORPHOLOGY (PS)
 61 SEVERE LEUKEMOID RXN WITH BLASTS, PREMIE (PS)
 62 CRYPTO MENINGITIS, HIV PT (CSF)
 63 CLL, WBC=20, 80% LYMPH, 56 Y/O F (PS)
 64 HELLP SYNDROME, 35 Y/O F (PS)
 65 ADENOCA 69 y/o M (PL)
 66 ↓ (PL)
 67 MONONUCLEOSIS, WBC=34, 1 Y/O M (PS)
 68 WARM AUTO 37 Y/O F (PS)
 69 PTCL, HIV(+), 41 y/o F (BX)
 70 APL (HYPERGRAN) 31 Y/O M (AS)
 71 PRECURSOR-B ALL, 3 Y/O M (AS)
 72 LANGERHANS CELL HISTIOCYTOSIS, 11 m/o (C6 VERTEBRA)
 73 PLASMACYTOMA, 77 y/o F (T7 VERTEBRA)
 74 ↓, IHC CD56 (T7 VERTEBRA)
 75 ↓, IHC CD56 POS CONTROL (T7 VERTEBRA)
 76 PRECURSOR T ALL, 9 y/o F (PS)
 77 POS HEINEZ BODIES, 50 y/o M (PS)
 78 PRECURSOR B ALL, 16 y/o F (PS)
 79 CML IN ACCELERATED PHASE, 12% BLASTS, 33 y/o M (PS)
 80 ↓ (AS)
 81 DLBCL WITH PLASMABLASTIC DIFF, 35 y/o M (MEDIAS T MASS)
 82 HEMOPHAGOCYTOSIS, 14 Y/O F WITH SLE, EBV(-), PANCYTOPENIA (AS)
 83 PRECURSOR B ALL, 48 Y/O F, PANCYTOPENIA (PS)
 84 ↓ DRY TAP (TP)
 85 ↓ RETICULIN FIBROSIS (BX)
 86 HEREDITARY ELLIPTOCYTOSIS, 43 y/o F (PS)
 87 HEMOLYTIC ANEMIA IN SLE, 25 y/o F, DAT-POS (PS)
 88 PENICILLIUM, PEDI PT (AS)
 89 CIMF, 48 Y/O F (PS)
 90 MSU CRYSTALS, NUMEROUS (JF)
 91 CML-BP (PRECURSOR B CELL), 33 Y/O M (PS)
 92 ↓ (AS)
 93 DLBCL, 50 Y/O F (OVARIAN MASS)
 94 WARM AUTO ANTIBODY, POS DAT (IgG, C3), 61 y/o M (PS)
 95 ACANTHOCYTES, 29 Y/O F, LIVER FAILURE (PS)
 96 DLBCL (BX)
 97 THALASSEMIA, NORMAL IRON PANEL (PS)
 98 T-CELL PLL, WBC=12, 48 y/o F (PS)
 99 HEREDITARY SPHEROCYTOSIS, 2 y/o F (PS)
 100 PRECURSOR B LYMPHOBLASTIC LEUKEMIA, 2 y/o M (PS)

+++++

SET 9A

1 MANTLE CELL LYMPHOMA/FL, GR1 (SPLN)
 2 FOLLICULAR LYMPHOMA, Gr1 (LN)

- 3 PRECURSOR T LYMPHOBLASTIC LYMPHOMA (LN)
- 4 FOLLICULAR LYMPHOMA, Gr 3 (LN)
- 5 MEDIASTINAL LARGE B-CELL LYMPHOMA (ANT MEDIAS)
- 6 PTCL, LYMPHOEPITHELIOID CELL VAR (LN)
- 7 HL, MIXED CELLULARITY, ↑ HISTIOCYTES (LN)
- 8 MYCOSIS FUNGOIDES (LN, SKIN)
- 9 ↓ (LN)
- 10 ↓ (SPLN, LN)
- 11 DERMATOPATHIC LYMPHADENOPATHY (LN)
- 12 MALT LYMPHOMA, IPSID (LN, INTEST)
- 13 ANGIOIMMUNOBLASTIC T CELL LYMPHOMA (LN)
- 14 LYMPHOPLASMACYTIC LYMPHOMA (SPLN)
- 15 HL, LYMPHOCYTE-DEPLETED (LN)
- 16 HIV-ASSOCIATED FOLLICULAR INVOLUTION WITH KAPOPSI SARCOMA (LN)
- 17 HL, NLP (LN)
- 18 ↓ (LN)
- 19 HL, LYMPHOCYTE-DEPLETED (LN)
- 20 PRECURSOR B LYMPHOBLASTIC LEUKEMIA (PAROTID MASS)
- 21 HL (BX)
- 22 MALT LYMPHOMA (SKIN)
- 23 ↓ (LUNG)
- 24 ↓ (ORBIT)
- 25 ↓ (COLON)
- 26 ↓ (STOMACH)
- 27 FOLLICULAR LYMPHOMA, GR 1 (LUNG)
- 28 ALCL (PRE SACRAL MASS)
- 29 THYMOMA (THYMUS)
- 30 THYMIC HYPERPLASIA (IN MYASTHENIA GRAVIS PT) (THYMUS)
- 31 MYELOID SARCOMA (CERV LN)
- 32 LANGERHANS CELL HISTIOCYTOSIS (LN)
- 33 CEROID HISTIOCYTOSIS (SPLN)
- 34 GAUCHER'S DISEASE (SPLN)
- 35 HL, MIXED CELLULARITY (LN)
- 36 HL, LYMPHOCYTE-DEPLETED (LN)
- 37 HL, NS (SPLN)
- 38 HL (LIVER)
- 39 KIKUCHI'S DISEASE (LN)
- 40 PTCL (LN)
- 41 ROSAI-DORFMAN DIS (SHML) (LN)
- 42 ANGIOIMMUNOBLASTIC T CELL LYMPHOMA (LN)
- 43 CASTLEMAN DISEASE, HYALINE VASCULAR VAR (LN)
- 44 CASTLEMAN DISEASE, PLASMA Cell VAR (LN)
- 45 VIRAL LYMPHADENITIS, INF. MONO (LN)
- 46 VIRAL LYMPHADENITIS, HERPES ZOSTER (LN)
- 47 TOXOPLASMA LYMPHADENITIS (LN)
- 48 MARGINAL ZONE B CELL LYMPHOMA (LN)

49 AML ASSOCIATED WITH DEL 5q (BX)

50 CLL (SPLN, LN)

+++++

SET 9B

51 HISTIOCYTIC SARCOMA (LN)

52 SINUS HISTIOCYTOSIS WITH HEMOPHAGOCYTOSIS (LN)

53 ALCL (LN)

54 PLL (SPLN)

55 PLL (LN)

56 ALCL (LN)

57 HCL (SPLN)

58 ↓ (BX, LN)

59 DLBCL (LN)

60 ESSENTIAL THROMBOCYTHEMIA (BX)

61 CIMF IN TRANSITION TO BLAST PHASE (LN)

62 PTCL (LN)

63 BURKITT LYMPHOMA (BREAST BX)

64 INFLAMMATORY PSEUDOTUMOR (LN)

65 SYSTEMIC MAST CELL DISEASE (LN, SPLN, BX)

66 SEVERE GASTRITIS WITH LYMPHOEPITHELIAL LESIONS, 33 y/o M (GASTRIC BX)

67 DLBCL, 53 y/o M (TESTICULAR MASS)

68 WARM & COLD AUTO ABS (MIXED), 47 y/o F, HIV POS (PS)

69 MANTLE CELL LYMPHOMA, 65 y/o M (AXIL. LN)

70 ↓ (AXIL. LN)

71 ~~HEPATOSPLENIC T-CELL LYMPHOMA, 33 y/o M (LIVER BX)~~

72 PLASMABLASTIC MYELOMA (PL)

73 PYROPOIKILOCYTOSIS, 7 d/o F (PS)

74 AML-MO, (+) CD13, CD34, CD117; (-) MPO, CD33; 72 y/o F (AS)

75 RAEB-2, 14% BLASTS, 41 y/o F (AS)

76 B-CELL PLL, WBC=146, 100 Y/O F (PS)

77 NEULASTA EFFECT, WBC= 79 WITH BLASTS, 56 y/o M (PS)

78 SLE, PANCYTOPENIA, (+) DAT, 13 y/o F (PS)

79 P. VERA, HCT= 64, 40 y/o F (PS)

80 FOLLICULAR LYMPHOMA, 64 y/o M (CSF)

81 LYMPHOMATOID PAPILOSIS, 64 y/o M (SKIN)

82 RARS (IRON STAIN ON CL)

83 HL-MIXED CELLULARITY (LN)

84 ↓ (LN)

85 WHITE PULP HYPERPLASIA (SPL)

86 NRBCs IN PREMIE TWIN (PS)

87 REACTIVE MONOCYTOSIS, WBC= 62, MONO 40%, 81 y/o F (PS)

88 LYMPHOCYTOSIS MIMICKING CLL, 3 y/o M, DROWNED PATIENT (PS)

89 HJ-LIKE BODIES, 43 Y/O M HIV (+) (PS)

90 PK DEFICIENCY, REFRACTORY TO SPLENECTOMY, 29 y/o M (PS)

- 91 ↓ (RETIC STAIN)
- 92 Hgb SS, ON CHRONIC TRANSFUSION, RARE SICKLE CELLS, Hgb S =2% (PS)
- 93 FETAL-MATERNAL HEMORRHAGE (4.7%), 25 y/o F (K-B TEST)
- 94 T-PLL, WBC=530, 69 y/o M (PS)
- 95 HUS, 10 M/O F (PS)
- 96 MPO CYTOCHEMICAL STAIN, POS CONTROL
- 97 ↓
- 98 ↓
- 99 ↓
- 100 ↓

+++++

SET 10A

- 1 PLASMA CELL MYELOMA, 53 y/o F (BX)
- 2 DLBCL, 69 y/o F (BX)
- 3 MASTOCYTOSIS, 74 y/o F (BX)
- 4 ↓ (LIVER BX)
- 5 CHOROID PLEXUS & BRAIN TISSUE, NEWBORN (CSF)
- 6 CRYO IMMUNOGLOBULIN (PS)
- 7 ↓ (PS)
- 8 MDS WITH BLASTS IN PS, 82 y/o F (PS)
- 9 BRAIN TISSUE, 44 y/o F, HIV ⊕ (CSF)
- 10 ↓ (CSF)
- 11 AML-M6, 80% RBC, 12% BLASTS, 79 y/o M (AS)
- 12 REACTIVE LYMPHOCYTOSIS, 3 M/O M (PS)
- 13 MULTIPLE MYELOMA, 59 y/o F, HIV ⊕ (AS)
- 14 ALCL, CD30 ⊕, ALK-1 ⊕, 19 y/o M (SKIN BX)
- 15 ↓ (PS)
- 16 REACTIVE HISTOCYTES (BAL)
- 17 EPITHELIAL CELLS & CILIA (BAL)
- 18 CMML, 74 Y/O M (PS)
- 19 ↓ (AS)
- 20 ↓ (BX)
- 21 SWEET SYND (RAEB-1, 10% BLASTS), 25 y/o F (PS)
- 22 ↓ (AS)
- 23 SCLEROTIC MYELOMA, 56 y/o M (BX)
- 24 PRECURSOR B ALL, RELAPSE (16% BLASTS), 48 y/o F (PS)
- 25 CML, BLASTS 5%, BASO 12%, EOS 5% (PS)
- 26 ↓ (PS)
- 27 PANCREATIC CA, 61 y/o M (PR)
- 28 CRYOGLOBULIN, 46 y/o F with Hep C (PS)
- 29 ↓ (PREWARM TO 37°C) (PS)
- 30 ANGIOIMMUNOBLASTIC T CELL LYMPHOMA, 65 y/o M (LN)
- 31 CLL vs LPL, WBC=70K (AS)
- 32 ↓ (BX)
- 33 SLL (PL)

34 CASTLEMAN DISEASE, PLASMA CELL VARIANT, 58 y/o F (LN)
 35 T-LGL LEUKEMIA (PS)
 36 ↓ (AS)
 37 ↓ (BX)
 38 COLD AGGLUTININ, 77 y/o F (PS)
 39 ↓ (PS)
 40 SC DISEASE, 19 y/o M, Hgb= 11.8 (PS)
 41 PRECURSOR-B ALL, WBC=175, 2 y/o M (PS)
 42 (L) SHIFT & BLASTS, 28 y/o M with COLON CA (PS)
 43 ↓ (PS)
 44 CHRONIC IDIOPATHIC MYELOFIBROSIS, 77 y/o F (PS)
 45 ↓, S/P SPLENECTOMY (PS)
 46 SEZARY SYND, PT WITH SS/MF (PS)
 47 MONOMORPHIC LYMPHS WITH NORMAL FLOW (PR)
 48 SEVERE LEUKEMOID RXN, WBC=97, NEWBORN (PS)
 49 CLL, WBC=35, 87%L, WITHOUT ALBUMIN (PS)
 50 ↓ WITH ALBUMIN (PS)

+++++

SET 10B

51 SC DISEASE (PS)
 52 APL, MICROGRAN WBC=92, 36 y/o M (PS)
 53 ↓ (PS)
 54 SC DISEASE WITH WARM AUTO (PS)
 55 LARGE PLTS MIMICKING P. VIVAX, HIV-POS PT (PS)
 56 CLL, 60 Y/O M (PS)
 57 ↓ (PS)
 58 HEMATOLOGONES (8%), 9 Y/O M (AS)
 59 FOLATE DEFICIENCY, 61 Y/O F (PS)
 60 ALCL, SMALL CELL VAR, WBC=530, 26 y/o M (PS)
 61 ↓ (AS)
 62 ↓ (AS)
 63 ↓ (CL)
 64 ↓ (CL)
 65 BIPHENOTYPIC LEUKEMIA, MYELOID AND B CELL ALL, 2 y/o M (PS)
 66 HELLP SYND, 25 y/o F, 26 WK PREG (PS)
 67 T-LGL LEUKEMIA, 62 y/o F (PS)
 68 ↓ (AS)
 69 ↓ (BX)
 70 PRECURSOR B. ALL, 3 y/o F (PS)
 71 PLASMABLASTIC LYMPHOMA, 32 y/o F, HIV-POS (CERVICAL BX)
 72 CRYPTO, HIV(+) PT (CSF)
 73 FOLLICULAR LYMPHOMA, GR 1, 38 y/o M (LACRIMAL GLAND)
 74 HISTIOCYTIC SARCOMA, 53 y/o F (ANT. MEDIASTINAL)
 75 RINGED SIDEROBLASTS (AS)
 76 POSITIVE URINE HEMOSIDERIN, 25 y/o F (URINE)

77 LEUKEMOID RXN WITH BLASTS, WBC=150 K, PREMATURE NEWBORN (PS)
 78 ↓ (PS)
 79 BRAIN TISSUE, NEWBORN WITH SHUNT (CSF)
 80 SPLENIC MZL & VILLOUS LYMPHOCYTES (LN)
 81 ↓ (SPLEEN)
 82 ↓ (CL)
 83 ↓ (PS)
 84 REACTIVE EOSINOPHILIA, PS: 20% EOS, 17 Y/O F WITH CHURG-STRAUSS (PS)
 85 ↓ (PS)
 86 ↓ (CL)
 87 MANTLE CELL LYMPHOMA, 53 Y/O M (GASTRIC BX)
 88 ↓ (GASTRIC BX)
 89 WARM & COLD AUTO-ABS, HIV-POS PT (PS)
 90 ↓, S/P TPE
 91 CD23-NEG CLL, 57 y/o M (PS)
 92 MEDIASTINAL LBCL, 26 y/o F (MEDIASTINAL MASS)
 93 ↓ (MEDIASTINAL MASS)
 94 T-LGL, WBC=35, 35%L, 56 Y/O F (PS)
 95 B-PLL, WBC=170 , 81 Y/O M (PS)
 96 C. ALBICAN, INTRACELLULAR, 3 y/o F (PS)
 97 DLBCL, IMMUNOBLASTIC VAR, 47 y/o M (SUPRACLAV. LN)
 98 GASTRITIS, LYMPHOEPITHELIAL LESIONS (CD3-POS), 55 y/o M (GASTRIC BX)
 99 no slide
 100 no slide

+++++

SET 11A

1. P. VERA WITH RETICULIN FIBROSIS (BX)
2. ↓, RETICULIN (BX)
3. T CELL RICH B CELL LYMPHOMA (LN)
4. BIPHENOTYPIC LEUKEMIA (AML & PRE-B ALL), 46 y/o M (PS)
5. ↓, MPO (PS)
6. ↓, MPO CONTROL
7. FOLLICULAR AND PARACORTICAL HYPERPLASIA, 57 y/o F (SUPRA CLAV LN)
8. ATYP BURKITT, 45 y/o M (PS)
9. ↓ (PS)
10. ↓ (PS)
11. ↓ (TP)
12. ↓ (BX)
13. SICKLE CELL CRISIS, 3 y/o F, Hgb= 3.6, PLT= 1M (PS)
14. LYMPHOCYTES MIMICKING SLL, 65 y/o F WITH BREAST CA, NL FLOW (PL)
15. ↓ (PL)
16. PCP, 36 y/o F , HIV(+) (BAL)
17. CLL WITH ATYP MORPHOLOGY, 84 y/o M (PS)
18. PLASMACYTOMA, Ki67 =50% (L FEMUR)
19. AML-M2 WITH 11q, 50 y/o M (AS)

20. ↓ (BX)
21. ABO-HDN, NEWBORN GIRL, B+, MOM O+ (PS)
22. EPO TX, HIGH RETIC =8%, 91 y/o F WITH RENAL FAILURE (PS)
23. IRON DEFICIENCY & WARM AUTO, 18 y/o F (PS)
24. BETA THAL MINOR, 43 y/o M (PS)
25. POLYMORPHIC PTLD IN PANCREATIC TRANSPLANT (PANCER BX)
26. ↓ (PANCER BX)
27. PCP, HIV-POS PT (BAL)
28. S/HPFH, 7% Hgb F, 54 Y/O F (KB)
29. ↓ (KB)
30. ↓ (KB)
31. Hgb C TRAIT & ANEMIA OF CHRONIC DISEASE (PS)
32. CD5(+) LPD, 70 Y/O M (PS)
33. ↓ (AS)
34. ↓ (BX)
35. MSU CRYSTALS, VISIBLE WITH WRIGHT STAIN (JF-ANKLE)
36. HEMOLYSIS DUE TO MITRAL VALVE REPLACEMENT (PS)
37. G6PD DEFICIENCY, 2 Y/O M (PS)
- ~~38. ↓ (PS)~~
39. HIV-LYMPHADENITIS, 62 Y/O M (LN)
40. ↓ (LN)
41. FOLLICULAR LYMPHOMA, GR1, 78 Y/O F (LN)
42. ↓ (LN)
43. INTRAVASCULAR B CELL LYMPHOMA, 69 y/o M (BRAIN BX)
44. ↓ (BRAIN BX)
45. ↓ (BRAIN BX)
46. ↓ (BRAIN BX)
- ~~47. CML, WBC=180, 4 Y/O F (PS)~~
48. ↓ (PS) CML, WBC= 180, 4 Y/O F
49. ↓ (PS)
50. ↓ (PS)

+++++

SET 11B

- 51 INTRACYTOPLASMIC YEAST (NOT C. ALBICAN), 9 y/o M (PS)
- 52 ↓ (PS)
- 53 AITCL, 20 y/o F (LN)
- 54 CASTLEMAN DISEASE, HYALINE VASC, 66 y/o F (LN)
- 55 SQUAMOUS CELLS, 25 y/o F (AMNIOTIC FLD)
- 56 TTP, PLT =17K, 30 y/o F (PS)
- 57 GR(-) RODS, 1 y/o F with BRAIN TUMOR (CSF)
- 58 MEDIASTINAL B CELL LYMPHOMA, 20 y/o F (CERV LN)
- 59 ↓ (CERV LN)
- 60 CLL MIMICKING REACTIVE LYMPHS, WBC= 12, 60 y/o M (PS)
- 61 CMML, WBC=35, 78 y/o M (PS)
- 62 APL, WBC= 97, 41 y/o M (PS)

- 64 BLASTIC NK LYMPHOMA, 40 y/o M (PS)
- 65 ↓ (TP)
- 66 ↓ (BX)
- 67 APL, HYPERGRANULAR, 40 y/o M (PS)
- 68 LEUKOCYTOSIS WITH 2% BLASTS, SECONDARY TO CA MET, 34 y/o F (PS)
- 69 CMML, WBC= 116, 25% MONO, 69 y/o F (PS)
- 71 LEUKEMOID RXN (WBC= 116) WITH 2% BLASTS, 1 d/o M (PS)
- 72 PEL (PL)
- 73 LEIGH SYND & MYELOID DYSPLASIA (PS)
- 74 HISTOPLASMA, 33 y/o F WITH AIDS (BAL)
- 75 HL, MIXED CELLULARITY, INTERFOLLICULAR PATTERN, AIDS PT (LN)
- 76 T CELL LYMPHOMA WITH LEUKEMIC PHASE, 16 y/o MALE, POS=CD2,8,3,7 (PS)
- 77 ↓ (PS)
- 78 ↓ (PS)
- 79 DLBCL, 43 Y/O M, PRIMARY SITE: RETROPERITONEAL MASS (PL)
- 80 ↓ (PL)
- 82 PTCL, NOS, POS CD4, NEG CD8; SPLEEN AS PRIMARY SITE (SPLENIC BX)
- 83 ↓ (SPLENIC BX)
- 84 HISTIOCYTIC SARCOMA, 13 y/o F (PALM OF HAND)
- 85 ↓ (PALM OF HAND)
- 86 MYELOID SARCOMA, 13 y/o M with AML (PS)
- 87 ↓ (PS)
- 88 ↓ (SKIN, FOREARM)
- 89 CHL, MIXED CELLULARITY (LN)
- 90 ↓ (LN)
- 91 ATYP CLL, 70 y/o M (REACTIVE MORPH, FMC7 POS, bright CD20) (PS)
- 92 SEVERE IRON DEF, Hgb =2.9, 16 y/o F (PS)
- 93 ALL, RELAPSED AFTER 2.5 YRS, 10 y/o F (PS)
- 94 POS TdT in ALL, IHC (BX)
- 95 POS CONTROL TdT (THYMUS)
- 96 RHABDOMYOSARCOMA, 69 y/o F (TP)
- 97 ↓ (BX)
- 98 SICKLE CELL DISEASE & ESRD, 48 y/o M (PS)
- 99 REACTIVE HISTIOCYTES & MESO MIMICKING CARCINOMA, 72 y/o F (PL)
- 100 ↓ (PL WITH DILUTION)

+++++

SET 12A

- 1 DLBCL (70%) & FL (30%, Gr3b), 4 y/o M (LN)
- 2 ↓ (LN)
- 3 ↓ (APPENDIX)
- 4 ↓ (APPENDIX)
- 5 FL (Gr1) WITH MARGINAL ZONE DIFFERENTIATION (LN)
- 6 ↓ (LN)
- 7 HEMOLYSIS IN SLE, 42 y/o F (PS)
- 8 ↓ (PS)

- 9 HUS , 10 y/o M, WITH PLT=60 (PS)
- 10 WALDENSTROM, 54 y/o M (TP)
- 11 ↓ (BX)
- 12 ↓ (BX)
- 13 AML-M7, 70 y/o F, HX OF MDS (PS)
- 14 ↓ (BX)
- 15 ↓, RETICULIN (BX)
- 16 PLASMA CELL MYELOMA, 80% PC, 72 y/o M (AS)
- 17 MERKEL CELL CA, MIMICKING DLBCL, 79 y/o F (THIGH SKIN)
- 18 KAPPA/LAMBDA DOUBLE LABELLING (IHC CONTROL)
- 19 ↓, KAPPA - ISH (IHC CONTROL)
- 20 ↓, LAMBDA - ISH (IHC CONTROL)
- 21 THYMOMA (MEDIASTINAL MASS)
- 22 ↓ (MEDIASTINAL MASS)
- 23 HEMATIN CRYSTALS, NUMEROUS (JF)
- 24 ↓ (JF)
- 25 FOLLICULAR LYMPHOMA, Gr1, DIFFUSE VAR, 79 y/o M (BX)
- 26 BLASTS 2° TO NUPOGEN, MIMICKING AML (PS)
- 27 HEMATOGENES (4%), 1 Y/O M WITH DOWN (AS)
- 28 MPD, NOS, 82 y/o M, LOW PLT, del 20q (AS)
- 29 ↓ (BX)
- 30 POLYCYTHEMIA, SECONDARY, 28 y/o M, HYPOXIA/CARDIOMYOPATHY, (PS)
- 31 AML- M4, WBC =140 , PLT= 19 (PS)
- 32 P. VIVAX (THIN SMEAR)
- 33 ↓, (THICK SMEAR)
- 34 MANTLE CELL LYMPHOMA, BLASTOID VAR (LN)
- 35 SC DISEASE (PS)
- 36 ALCL, SMALL CELL VAR (PS)
- 37 ↓ (AS)
- 38 ↓ (BX)
- 39 MULTIPLE MYELOMA, IMMATURE PC, 49 y/o F (AS)
- 40 PLASMA CELL LEUKEMIA, 60 y/o M, WITH MYELOMA, WBC=130 (PS)
- 41 PLASMA BLASTIC MYELOMA, 66 y/o M (TP)
- 42 ↓ (BX)
- 43 APL, S/P 3 WEEKs INDUCTION, HYPERCELLULAR, BM WITH NO INCREASE IN
BLAST/ LEUK PRO, PCR 40% POS (AS)
- 44 ↓ (BX)
- 45 MPN WITH INCREASED EOSINOPHILS, FIP1L1/PDGFRA, 54 y/o M WITH P.VERA
(PS)
- 46 ↓ (AS)
- 47 ↓ (BX)
- 48 B12 DEFICIENCY, 70 Y/O F (PS)
- 49 BREAST CARCINOMA (IDC), 72 Y/O F (PR)
- 50 SICKLE CELL DISEASE, ON HYDERA, ESRD, HIGH MCV (PS)

+++++

SET 12B

- 51 WARM & COLD AUTO ABS, 11 y/o M (PS)
- 52 SC DISEASE, 52%S, 42%C, 20 y/o M (PS)
- 53 ↓ (PS)
- 54 ENTEROCOCCI IN CENTRAL LINE SEPSIS (PS)
- 55 HDN 1 d/o F (PS)
- 56 SICKLE CELL DISEASE, 7 M/O M, WITHOUT CRISIS (PS)
- 57 EPENDYMAL CELLS (CSF)
- 58 WARM AUTO ABS WITH SEVERE HEMOLYSIS, 23 y/o M (PS)
- 59 MANTLE CELL LYMPHOMA, 66 y/o F (PS)
- 60 STAPH-NON AUREUS IN LINE SEPSIS, 59 y/o M (PS)
- 61 IDIOPATHIC HES, WBC=41, 76% EOS, 63 y/o F (PS)
- 62 HL, NS - SYNCYTIAL VAR, 72 y/o M (LN)
- 63 PLASMA CELL MYELOMA, 95% PC , 67 y/o M (PS)
- 64 ↓(AS)
- 65 ↓(BX)
- 66 FL, Gr3 ; CD10(-), BCL2 (WEAK+) (ORBITAL MASS)
- 67 ↓ (ORBITAL MASS)
- 68 PRECURSOR B ALL, L1 (SUBTLE MORPH) , 14 y/o F (PS)
- 69 PRECURSOR T LYMPHOMA, 7 y/o F WITH HX OF BURKITT (PL)
- 70 CML , WBC =414, 49 y/o M (PS)
- 71 DLBCL IN PERIPHERAL SMEAR (PS)
- 72 ACUTE ITP, PLT =1K , 60 y/o F (PS)
- 73 FDC SARCOMA (NASAL MASS)
- 74 ↓ (NASAL MASS)
- 75 SPLENIC MZL (AS)
- 76 ↓ (BX)
- 77 DLBCL, ANAPLASTIC VAR, ABERRANT CD2(+), 65 y/o F (LN)
- 78 PRECURSOR B ALL, 8 y/o F WITH DOWN (PS)
- 79 ↓ (PS)
- 80 CANDIDA (BAL)
- 81 HEREDITARY ELLIPTOCYTOSIS, 2 y/o F (PS)
- 82 AML WITH INV(16), 15 y/o M (PS)
- 83 BLASTIC PDCN , 62 y/o M (LN)
- 84 ↓ (LN)
- 85 P. VIVAX, 1% LOAD (PS)
- 86 ↓ (PS)
- 87 WARM AUTO ABS , 8 y/o M (PS)
- 88 PLL, WBC= 126 , 57 y/o M (PS)
- 89 ↓ (AS)
- 90 ↓ (CL)
- 91 ↓ (BX)
- 92 MDS WITH del (5q) (TP)
- 93 ↓ (BX)
- 94 SICKLE CELLS IN PLACENTA, OB PT WITH SICKLE TRAIT (PLACENTA)
- 95 CHL, MIXED CELLULARITY-MIMICKING AITCL (LN)

- 96 NUMEROUS GOUT CRYSTALS (JF)
- 97 LYMPHOBLASTS, 20 y/o M WITH T LYMPHOBLASTIC LYMPHOMA (PL)
- 98 INFECTIOUS MONONUCLEOSIS, 4 y/o F (PS)
- 99 BRAIN TISSUE, 21 y/o M WITH HEAD TRAUMA (CSF)
- 100 DHTR WITH ANTI-JKa, 56 y/o F (PS)

+++++

SET 13A

- 1 AML-M5, 34 y/o M & HIV POS (PS)
- 2 BURKITT LYMPHOMA (PS)
- 3 P. FALCIPARUM, BANANA GAMETOCYTES (PS)
- 4 ↓ (PS)
- 5 PRIMARY FOLLICLES (OMENTUM)
- 6 ↓ (OMENTUM)
- 7 NUPOGEN EFFECT, 20% BLAST IN BM, AML-M4, S/P CHEMO (AS)
- 8 NASAL NK/T LYMPHOMA, 68 y/o F (TP)
- 9 ↓ (BX)
- 10 SEZARY SYNDROME (PS)
- 11 HDN & ANTI-D, ANTI-C, 1 d/o (PS)
- 12 PLL, WBC= 17, NEG t(11:14), 93 y/o F (PS)
- 13 NUMEROUS PLATELET CLUMPS, PLT 3K (PS)
- 14 CUTANEOUS FL (Gr3/3, FOCAL 2/3), POS FOR bcl6; NEG FOR CD10, bcl2 (SKIN BX)
- 15 DLBCL IN BM, INTERSTITIAL PATTERN (CL)
- 16 ALCL-ALK POS, 4 y/o M (LN)
- 17 ↓ (RADIUS)
- 18 SICKLE CELL DISEASE & RENAL FAILURE, 92% A, 5% S (PS)
- 19 S-BetaThal (0) IN CRISIS, 49 y/o F (PS)
- 20 SEZARY SYMPTOME, 53 y/o M WITH MF, CD8-POS, CD7-NEG (PS)
- 21 ↓ (PS)
- ~~22 ↓ (PS)~~
- 23 ↓ (PS)
- 24 SEZARY SYNDROME, WITH ALBUMIN (PS)
- 25 ↓ (PS)
- 26 ↓ (PS)
- 27 HE , 1 M/O F (PS)
- 28 ↓, MOTHER - WITH HE
- 29 ↓, FATHER - NORMAL
- 30 CML IN ACC. PHASE, WBC=422, PLT= 89 (PS)
- 31 ↓ (PS)
- 32 ↓ (PS)
- 33 AML-M5a, WBC=408 , 88% MONOBLASTS (PS)
- 34 S-BetaThal(0) IN 1ST CRISIS, 41 y/o F, 72%S, 21%F, 7%A2 (PS)
- 35 DLBCL, 16 y/o M (PR)
- 36 ↓ (PR)
- 37 DLBCL, 43 y/o M & HIV POS (TESTICLE)
- 38 ↓ (TESTICLE)

- 39 MCL, 59 y/o M (RECTAL BX)
- 40 THYMIC HYPERPLASIA, 41 y/o F (THYMUS)
- 41 LISTERIA, GR(+) RODS (CSF)
- 42 P. FALCIPARUM, 3.8% LOAD (PS)
- 43 ↓, (THICK SMEAR)
- 44 BRAIN TISSE , 14 m/o F WITH HEAD INJURY (CSF)
- 45 NEULASTA EFFECT, WBC=52, 84% PMN (PS)
- 46 BURKITT LYMPHOMA, 25 y/o F, HIV(+) (PS)
- 47 INTRACELLULAR CRYPTO , 39 y/o F (CSF)
- 48 PLASMA CELL LEUKEMIA, 60 y/o M WITH MYELOMA (PS)
- 49 DLBCL MIMICKING CHL-NS (LN)
- 50 PLL (AS)

+++++

SET 13B

- 51 PLL (AS)
- 52 ↓ (AS)
- 53 PURE ERYTHROID LEUKEMIA WITH HPS, 70 y/o F (AS)
- 54 AML WITH MYELODYSPLASIA-RELATED CHANGES; (MDS & del 5q → AML-M4),
69 y/o M (PS)
- 55 ↓ (AS)
- 56 DIAMOND-BLACKFAN SYND, 4 y/o F (AS)
- 57 PELGER-HUET ANOMALY (PS)
- 58 DLBCL (PL)
- 59 AGRANULOCYTOSIS DUE TO PROPYLTHIOURACIL (ANTITHYROID), 37 y/o F (AS)
- 60 AML-M5, MONOBLASTS IN CSF, 35 y/o M (CSF)
- 61 ↓, S/P INTRATHECAL MTX (CSF)
- 62 S/ALPHA-THAL WITH IRON DEFICIENCY, 78 y/o F (PS)
- 63 LYMPHOCYTOSIS MIMICKING CLL, 52 y/o M (CSF)
- 64 THROMBOCYTOSIS, S/P SPLENECTOMY, 48 y/o F (PS)
- 65 T- LYMPHOBLASTIC LEUKEMIA, WBC= 160, 2 y/o M (PS)
- 66 NUMEROUS ELLIPTOCYTES, IRON DEFICIENCY, 14 y/o F (PS)
- 67 LIVER DISEASE & IRON DEFICIENCY MIMICKING Hgb SC, 32 y/o M (PS)
- 68 HS WITH PANCYTOPENIA DUE TO VIRAL INFECTION, 14 y/o M (PS)
- 69 ↓ (PS)
- 70 BURKITT LYMPHOMA, 25 y/o F (CSF)
- 71 NAIT, PLT= 24K, 2 d/o M (PS)
- 72 IRON DEFICIENCY & LIVER/RENAL DISEASES (PS)
- 73 BRAIN TISSUE, S/P ABCESS DEBRIDMENT, 63 y/o F (CSF)
- 74 REACTIVE LYMPHOCYTES MIMICKING ALL, 2 y/o M (PS)
- 75 HEMOSIDERIN-LADEN MONOCYTES (PS)
- 76 GELATINOUS TRANSFORMATION, 17 y/o F WITH ANOREXIA (BX)
- 77 PTGC (LN)
- 78 ↓ (LN)
- 79 HEMATOGONES (5%); APL IN REMISSION (AS)
- 80 BREAST CA WITH BRAIN METS, 54 y/o F (CSF)

- 81 APL, S/P CHEMO, PROMYELOCYTES WITH BASOPHILIC CYTOPLASM (PS)
- 82 ↓ (PS)
- 83 AML, S/P CHEMO, 70 y/o F (PS)
- 84 CMML, WBC =123, 32% MONO, 67 y/o M (PS)
- 85 ↓ (AS)
- 86 MAY-HEGGLIN ANOMALY (PS)
- 87 T LYMPHOBLASTIC LYMPHOMA RELAPSE, 21 y/o M (TESTICLE)
- 88 HEMOSIDERIN-LADEN HISTIOCYTES, 22 y/o M, S/P PERICARDIOCENTESIS (PS)
- 89 WHOOPING COUGH, WBC =38, 60% LYMPH, 8 W/O F (PS)
- 90 AML-M6, 34% MYELOBLASTS RESEMBLING NORMOBLASTS, 50 y/o M (AS)
- 91 AML-M5a, MONOBLASTS WITH BLEBS, PEDI PT (PS)
- 92 B-ALL, PANCYTOPENIA, 80% LYMPHS, NORMAL FLOW (PS)
- 93 CANDIDA, CATH CONTAMINATION (PS)
- 94 H. CAPSULATUM IN BONE MARROW (BX)
- 95 CML-ACC PHASE, 15% BLASTS, 26 y/o M (PS)
- 96 B-ALL, WBC=300, 50% BLASTS, 27 y/o M (PS)
- 97 ↓ LYMPHOBLASTS IN CSF, SAME PT AS ABOVE (CSF)
- 98 LYMPHOMATOID GRANULOMATOSIS, Gr 3 (LUNG BX)
- 99 ↓ (LUNG BX)
- 100 no slide

+++++

SET 14A

- 1 BetaThal/HPFH, HgF 26% (PS)
- 2 ↓ (PS)
- 3 TTP WITH ABNL DIC PANEL (LIVER DAMAGE) (PS)
- 4 DIC 2° TO 3rd DEGREE BURN, 49 y/o M (PS)
- 5 RARE BURKITT CELLS IN PS, 3 y/o M (PS)
- 6 BURKITT LYMPHOMA, SAME PT AS ABOVE (PL)
- 7 TAM IN DOWN SYND, 2 D/O, BLASTS 20% (PS)
- 8 ↓, BLASTS 2%, 4 DAYS LATER (PS)
- 9 HJ-LIKE BODIES, HIV PT (BUFFY COAT)
- 10 aCML vs MPN/MPD, NOS; 73 y/o M (PS)
- 11 ↓, 4% BLASTS IN PS (PS)
- 12 ↓, 4% BLASTS IN PS (PS)
- 13 ↓, 8% BLASTS IN AS (AS)
- 14 ↓ (BX)
- 15 IM-LIKE LESION PTLD, 4 y/o F, S/P LIVER TRANSPLANT (TONSIL)
- 16 ALCL-ALK POS, MONOMORPHIC 43 y/o M (PS)
- 17 ↓ (PS)
- 18 ↓ (MESENTERIC LN)
- 19 MALIGNANT PLASMA CELLS, MYELOMA PT (PL)
- 20 CML, SUBOPTIMAL MORPH WITH HIGH WBC (PS)
- 21 ↓ (PS)
- 22 ↓ OPTIMAL MORPH WITH DILUTION (PS)
- 23 ↓ OPTIMAL MORPH WITH DILUTION (PS)

24 CMML, WBC= 60 K, 31% MONO, 95 y/o F (PS)
 25 ↓ (PS)
 26 TCHR LARGE B CELL LYMPHOMA, 8 y/o M (THIGH)
 27 AML-M2, PS: WBC=71, 1% BLAST, 28% MONO (PS)
 28 ↓ (PS)
 29 ↓ AS: 28% BLASTS, 10% MONO (AS)
 30 HEMATODIN CRYSTALS MIMICKING CPPD CRYSTALS (JF)
 31 ↓ (JF)
 32 WARM AUTO, 66 y/o F (PS)
 33 SMALL CELL CARCINOMA OF LUNG, 70 y/o M (PL)
 34 BRAIN TISSUE, 7 M/O F WITH SHUNT (CSF)
 35 ↓(CSF)
 36 CML WITH WBC= 48K, PLT=1,500K, 39 y/o M CPS)
 37 EXTRANODAL NK/T CELL LYMPHOMA, 48 y/o F (NASAL BX)
 38 HEPATORENAL SYNDROME (PS)
 39 PLASMABLASTIC LYMPHOMA, 50 y/o M, HIV-POS (LN)
 40 ↓ (LN)
 41 LYMPHOPLASMACYTIC LYMPHOMA, 40 y/o M (PS)
 42 ↓(PS)
 43 ↓(PS)
 44 ↓(AS)
 45 ↓(BX)
 46 MALIGNANT HTN, 36 y/o F, PLT= 115 (CPS)
 47 PANCYTOPENIA, 72% LYMPH, NEG FLOW, 1 y/o F (PS)
 48 BRAIN TISSUE, 41 y/o M WITH SKULL FX (CSF)
 49 PLASMABLASTIC LYMPHOMA, 52 y/o M, HIV-POS (LN)
 50 HEMATOGONES (20%), 15 d/o M, NEUROBLASTOMA (AS)
 ++++++

SET 14B

51 TAR SYNDROME, PLT= 40K, 5 m/o M (PS)
 52 NUMEROUS GOUT CRYSTALS (JF)
 53 DLBCL, ANAPLASTIC VAR, 61 y/o F (TP)
 54 ↓(FEMUR BX)
 55 EBV-ASSOCIATED POLYMORPHIC LPD, 19 y/o F, HIV-pos (LN)
 56 ↓(LUNG BX)
 57 POLYCYTHEMIA 2° TO VSD, 1d/o M, Hgb 21 (PS)
 58 NAIT, NEWBORN WITH INTRACRAN BLEED, PLT =6k (PS)
 59 DLBCL, ANAPLASTIC VAR, 58 y/o F, HIV-POS (LN)
 60 ↓ (LN)
 61 ↓, IN PLEURAL FLUID (PL)
 62 RCMD, 4% BLASTS, +7q, 60 y/o M (AS)
 63 CHL IN BM, 30 y/o F, HIV-POS (BX)
 64 ↓(BX)
 65 IMMUNE-MEDIATED HEMOLYSIS, 25 y/o F, SLE (PS)
 66 HS, S/P SPLENECTOMY (PS)

- 67 DLBCL, 83 Y/O F (PS)
- 68 ↓(TP)
- 69 ↓(BX)
- 70 ↓(BX)
- 71 ↓(SPLEEN)
- 72 IDIOPATHIC HES, 20 Y/O M, WBC= 27, EO 80% (PS)
- 73 PELGER-HUET cells, 57 y/o F (PS)
- 74 MANY EPPENDYMAL CELLS (CSF)
- 75 MACROCYTIC ANEMIA, MCV 127, LIVER DISEASE & ON AZT (PS)
- 76 MARKED THROMBOCYTOSIS (1.1M), 13 y/o F, S/P SPLENECTOMY (PS)
- 77 PSEUDOTHROMBOCYTOPENIA (PLT=117K) & LARGE PLATELETS (PHASE COUNT= 155) (PS)
- 78 MANTLE CELL LYMPHOMA (PS)
- 79 ↓(SPLEEN)
- 80 MDS (RA) IN A 19 y/o M, MULTIPLE CHROMOSOMAL ABNORMALITIES (AS)
- 81 PLASMABLASTIC LYMPHOMA, 64 y/o M (LN)
- 82 APL, HYPERGRANULAR VAR (AS)
- 83 P. FALCIPARUM (5%); PT EXPIRED (PS)
- 84 DLBCL WITH PATCHY DISTRIBUTION (LN)
- 85 AITCL, 70 y/o F (LN)
- 86 DIC, 2° TO BURN (PS)
- 87 PTLD - MONOMORPHIC (DLBCL), S/P HEART TRANSPLANT (LN)
- 88 ↓(LN)
- 89 ↓(EBER)
- 90 ↓(RNA-VMS-ISH)
- 91 APL, 1 WK ON CHEMO, 20 y/o F (PS)
- 92 APL, 4 DAYS ON CHEMO, 82 y/o F (PS)
- 93 SICKLE CELL DISEASE ON HYDREA, 10 y/o M (PS)
- 94 AML-M7 WITH MEDIASTINAL GERM CELL TUMOR, 22 y/o M (PS)
- 95 Hgb C DISEASE, 6 y/o F (PS)
- 96 HTN CRISIS, PLT= 98, RETIC= 5%
- 97 FOREIGN BODY GRANULOMA, RETIC FIBROSIS, RENAL OSTEODYSTROPHY (BX)
- 98 MCL, BLASTOID VARIANT (PR)
- 99 PTLD, PLASMACYTIC HYPERPLASIA (LN)
- 100 no slide

+++++

SET 15A

- 1 MALT LYMPHOMA, 63 y/o F WITH SJOGREN (PAROTID Bx)
- 3 PRIMARY FOLLICLES, SINUS HYPERPLASIA (LN)
- 4 ↓(LN)
- 5 PRIMARY CUTANEOUS ALCL (SKIN Bx)
- 6 ↓(SKIN BX)
- 7 Hgb SS, NUMEROUS SICKLE CELLS (PS)
- 8 HLH, 12 y/o M & PRIMARY FOLLICLES (LN)
- 9 ↓(LN)

- 10 ↓ (LN)
- 11 MCL, BLASTOID VAR, MARKED NECROSIS (LN)
- 12 ↓ (LN)
- 13 CLL, 51 y/o M, 15% PROLYMPHS MIMICKING BLASTS (PS)
- 15 CASTLEMAN DISEASE, MULTICENTRIC VAR, 69 y/o F (LN)
- 16 ↓ (LUNG)
- 17 ↓ (LN)
- 18 ↓ (LN)
- 19 PEL (PL)
- 20 CHL, LYMPHOCYTE-DEPLETED, 40 y/o F (LN)
- 21 TTP, THROMBI, 67 y/o F (SPLEEN)
- 22 AML-M2, 67 y/o M (AS)
- 23 AML-M6 (93% ERYTHROIDS), TRANSFORMED FROM CASE 22 ABOVE (AS)
- 24 CMML-II, 51 y/o F, 3% BLASTS IN PS (PS)
- 25 ↓ 11% BLASTS IN BM (AS)
- 26 APL, 66 y/o M, DAY #4 S/P CHEMO (PS)
- 27 B-LYMPHOBLASTIC LYMPHOMA, 30 y/o M (CSF)
- 28 PTGC (LN)
- 29 NLPHL (LN)
- 30 ↓ (LN)
- 31 ↓ (LN)
- 32 PTLD, PLASMACYTIC HYPERPLASIA, SAME CASE AS SLIDE 33 (GI)
- 33 PTLD, DLBCL, SAME CASE AS 32 (LN)
- 34 RENAL OSTEODYSTROPHY (BX)
- 35 CHL, MANY GRANULOMA (LN)
- 36 ↓ (LN)
- 37 DLBCL, MANY T CELLS, HIV-POS; SAME CASE AS 39 (LN)
- 38 ↓ (LN)
- 39 ROULEAUX FORMATION, DLBCL; SAME CASE AS 37 (PS)
- 40 DLBCL, 70 y/o M (TONSIL)
- 41 APL, HYPOGRANULAR (PS)
- 42 ↓ (AS)
- 43 SICKLE CELL DISEASE, DIC, WARM/COLD AB (PS)
- 44 ALL MIMICKING CLL, 38 y/o M (PS)
- 45 ↓ (PS)
- 46 MECHANICAL HEART VALVE, SCHISTOCYTES (PS)
- 47 HISTOPLASMA, NON-HIV (PS)
- 48 MANY PAPPEHEIMER BODIES (PS)
- 49 DIC SECONDARY TO BURN (PS)
- 50 MACROCYTOSIS SECONDARY TO HYDREA, 89 y/o M WITH P VERA (PS)

+++++

SET 15B

- 51 BABESIOSIS (PS)
- 52 ↓ (PS)
- 53 ↓ (PS)

- 54 ↓ (PS)
- 55 MYELOID SARCOMA, PRIMARY (THORACIC SPINE)
- 56 ↓ (THORACIC SPINE)
- 57 NEUROBLASTOMA IN BM, 3 Y/O M (BX)
- 58 POLYMORPHIC PTLD & CAT SCRATCH (LN)
- 59 CRYPTO, 43 Y/O M WITH HIV POS (CSF)
- 60 DLBCL (NASAL MASS)
- 61 T LYMPHOBLASTS, HAND-MIRROR, 17 y/o M WITH MEDIASTINAL MASS (PS)
- 62 PMNS WITH ERYTHROPHAGOCYTOSIS (PS)
- 63 ↓ (PS)
- 64 HS PT, S/P SPLENECTOMY, 7 Y/O M, NO HEMOLYSIS (PS)
- 65 MACROCYTIC ANEMIA WITH HYPOTHYROIDISM (PS)
- 66 B-ALL WITH 15% BLASTS IN PS, 2 y/o F (PS)
- 67 ↓ (PS)
- 68 ↓ (PS)
- 69 PEL, 45 Y/O M WITH HIV (PL)
- 70 EXTRANODAL NK/T LYMPHOMA, 69 y/o F, POS EBER (POST. PHARYNX)
- 71 ↓(POST. PHARYNX)
- 72 REACTIVE LYMPHS RESEMBLING BLASTS (PS)
- 73 T-LGL (PS)
- 74 MANTLE CELL LYMPHOMA, 59 y/o M (LACRIMAL GLAND)
- 75 AML (NON-APL) MIMICKING APL (PS)
- 76 ↓ (PS)
- 77 ↓ (PS)
- 78 MYELOID SARCOMA, SAME PT AS IN CASES 75-77 (MAXILLA)
- 79 MYELOID SARCOMA, 40 y/o M (LN)
- 80 B-PLL, WBC=55, 79 y/o F (PS)
- 81 DLBCL, IMMUNOBLASTIC VAR, s/p OHT (BX)
- 82 ↓ (BX)
- 83 CASTLEMAN DISEASE, MIXED (HYALINE VASC VAR & PLASMA CELL VAR) (LUNG)
- 84 ↓ (LUNG)
- 85 CHL, PARTIAL INVOLVEMENT, 61 y/o M (LN)
- 86 ↓ (LN)
- 87 AML, FLT3(+)/ NPM1(+), FISHMOUTH BLASTS (PS)
- 88 MYELOID SARCOMA, SAME PT AS IN CASE 87 (MAXILLA)
- 89 ↓ (MAXILLA)
- 90 PTLD-PEL LIKE, 63 y/o M, S/P LIVER TRX, EBER(+), MUM1(+), CD45(-), HHV8(-) (PL)
- 91 ↓ (PL)
- 92 FOLLICULAR HYPERPLASIA, PEDIATRIC PT (TONSIL)
- 93 KIKUCHI DISEASE, 8 Y/O F (L. AXIL LN)
- 94 MZL, 43 Y/O M (L ORBITAL MASS)
- 95 SLL, 50 Y/O M (TONSIL)
- 96 PELGER-HUET ANOMALY, 18 y/o F (PS)
- 97 SEVERE LEUKEMOID RXN, WBC =154, 1 d/o F (PS)
- 98 CHL, 30 Y/O M (BX)

99 ATYP LYMPHS (90%) RESEMBLING ALL, NEG FLOW, 14 m/o M (PS)

100 SARCOIDOSIS WITH ASTEROID BODIES, 51 y/o F (BX)

+++++

SET 16A

1 FISHMOUTH BLASTS IN AML, NEG (FLT3, NPM1) (PS)

2 APL (HYPOGRAN), S/P CHEMO (PS)

3 MYELOMA, Ki67=60% 39 y/o M (SPLEEN)

4 BRAIN TISSUE IN CSF, 24 y/o M WITH RUPTURED CEREBRAL ANEURYSM (CSF)

5 PLASMA CELL LEUKEMIA, 48 Y/O M WITH MYELOMA (PS)

6 T LYMPHOBLASTS IN 21 y/o M WITH ALL (PL)

7 ATYP MONOBLASTS, AML- M5a (AS)

8 ↓(BX)

9 CML RELAPSE - NON COMPLIANCE, WBC= 360 (PS)

10 ↓(PS)

11 CLL WITH ATYP MORPH, POS FLOW (PS)

12 HEMATOGONES (50%), 9 M/O F (AS)

13 NUMEROUS PENCIL CELLS, 9 Y/O M WITH IRON DEFICIENCY (PS)

14 CML-ACC PHASE, 12% BLASTS (PS)

15 ATYP LYMPHS (90%), NEG FLOW, 14 m/o (PS)

16 WARM AUTO, 60 y/o M (PS)

17 B-ALL WITH GRANULES, 53 y/o M (PS)

18 HE, 10 Y/O F, RETIC=9% (PS)

19 PLASMA CELL LEUKEMIA, 33% PLASMABLASTS, 59 y/o M (PS)

20 ↓ (PS)

21 CANDIDA, 5 Y/O F, RESEMBLING HISTOPLASMA (PR)

22 ↓(PR)

23 CRYPTO (CSF)

24 CHL, MANY HRS CELLS, 17 Y/O M (BX)

25 TAM, 6% BLASTS, NEWBORN WITH DOWN (PS)

26 P. FALCIPARUM, 10% LOAD, 61 Y/O F (PS)

27 ↓ (PS)

28 CENTROBLASTS IN PS, 61 y/o M WITH DLBCL (PS)

29 ↓(PS)

30 CRYPTO (CSF)

31 ↓ (CSF)

32 ↓ (CSF)

33 PLASMA CELL LEUKEMIA, 80% PC, 75 y/o F (PS)

34 ↓(PS)

35 ↓(AS)

36 REACTIVE LYMPHS MIMICKING ALL, 3 W/O F (PS)

37 ↓ (PS)

38 TAM, 2 W/O M WITH DOWN, 12% BLASTS (PS)

39 G6PD DEFICIENCY, 43 y/o M ON METHYLENE BLUE (PS)

40 PLASMABLASTS, PT WITH MYELOMA (PL)
 41 MALT, 82 y/o M (NASOPHARYN BX)
 42 CMML-1, 72 Y/O M (AS)
 43 APL, HYPERGIAN, 53 y/o M (PS)
 44 ↓(PS)
 45 Hgb S/BetaThal(0), 21 Y/O F (PS)
 46 NEULASTA: LEFT SHIFT WITH 8% BLASTS (PS)
 47 ELEVATED Hgb (17.7) WITH DEHYDRATION (PS)
 48 IMMUNE-MEDIATED HEMOLYSIS, JKa Ab (PS)
 49 HUS, 6 Y/O F (PS)
 50 SEVERE LEUKEMOID RXN, 5% BLASTS, 2 d/o PREMIE (PS)

+++++

SET 16B

51 MANY HJ AND PAPPENHEIMER BODIES, 51 y/o, s/p SPLENECTOMY (PS)
 52 FL Gr 2/3, FOCAL Gr 3/3, 83 y/o M (CONJUNCTIVA)
 53 20% POLYCLONAL PLASMA CELLS, 28 y/o M, HIV-pos (AS)
 54 ↓ (BX)
 55 TAM, 1 M/O M WITH DOWN SYND, 25% BLASTS (PS)
 56 40% HEMATOGONES, 15 m/o M, SHWACHMAN-DIAMOND SYND (AS)
 57 ET, 37 y/o F (PS)
 58 ↓ (BX)
 59 PTCL, NOS (PTLD, MONOMORPHIC) (Bx)
 60 P. VIVAX, 0.25% LOAD (PS)
 61 MZL, 61 y/o M (CONJUNCTIVA)
 62 AML-M4 (Bx)
 63 ↓, MYELOID SARCOMA, SAME PT AS IN CASE 62 (LN)
 64 DLBCL, 57 y/o M (PL)
 65 PTCL, T-ZONE VAR (LN)
 66 ↓ (LN)
 67 ↓ (LN)
 68 ↓ (LN)
 69 ↓ (LN)
 70 AML-M4e (AS)
 71 PLASMABLASTIC LYMPHOMA, 72 y/o F (R ETHMOID)
 72 MYELOMA WITH CRYSTAL-STORING HISTIOCYTOSIS (R TIBIA)
 73 B-ALL RESEMBLING PLL (PS)
 74 ↓ (PS)
 75 ET, PLT= 2.1 M, 48 y/o F (PS)
 76 HEREDITARY ELLIPTOCYTOSIS, 10 y/o M (PS)
 77 PSEUDO THROMBOCYTOPENIA, PLT= 63K (PS)
 78 B-ALL WITH NO BLASTS IN PBS, 6 y/o F (PS)
 79 REACTIVE FOLLICLES IN SJOGREN/SLE, 65 y/o F (Bx)
 80 PLAMABLASTIC LYMPHOMA/MYELOMA, 61 y/o M (L FEMUR)
 81 INFECTIOUS MONO, WBC=14, 4 y/o M (PS)
 82 ET , PLT =1,100, JAK2-POS, 50 y/o M (AS)

83 ↓ (BX)
 84 REACTIVE THROMBOCYTOSIS, PLT= 1,400, 43 y/o F (PS)
 85 CMML-2, 11% MONOBLASTS, 74 y/o M (AS)
 86 ↓ (AS)
 87 ↓ (Bx)
 88 AML, S/P CHEMO WITH HYPERCELLULAR BM (AS)
 89 NUPOGEN, 46 y/o M (Bx)
 90 TAM, 50% BLASTS, NEWBORN (PS)
 91 PTLD, HIGH GRADE BCL, EBER(-) (CECAL MASS)
 92 CHOROID PLEXUS, 8 W/O F (CSF)
 93 PRE ECCLAMPSIA, PLT= 73, 26 y/o F (PS)
 94 CLL WITH ATYP MORPH (AS IN REACTHE), 79 y/o F (PS)
 95 ET, 61 y/o F (Bx)
 96 DLBCL, 55 y/o M, Ki67= 50% (TESTICLE)
 97 CML, 23 y/o F (BX)
 98 ↓ (Bx)
 99 MYELOID SARCOMA, 78 y/o M (ABD SKIN)
~~100 CHL WITH NECROSIS, ACCUTE INFLAM (LN)~~

+++++

SET 17A

1 SEZARY SYND/M. FUNGOIDES (PS)
 2 ↓(PS)
 3 ↓(PS)
 4 ↓(SKIN)
 5 ↓(SKIN)
 6 B-ALL WITH 1% LYMPHOBLASTS IN PS, 3 y/o F (PS)
 7 PLATELET SATELLITOSIS, 80 y/o M, PLT= 26 (PS)
 8 MECH HEART VALVE LEAKAGE, 69 y/o F (PS)
 9 AML RELAPSE IN CNS, 78 y/o M (CSF)
 10 ↓(CSF)
 11 MCL IN CSF, 57 y/o M (CSF)
 12 IRON DEFICIENCY ANEMIA ON TX, 13 y/o F (PS)
 13 CRITICAL AORTIC STENOSIS, 9 y/o M (PS)
 14 LYMPHOBLASTS IN CSF, 55 y/o F WITH B ALL (CSF)
 15 BURKITT CELLS IN CSF, 45 y/o M WITH BURKITT LYMPHOMA (CSF)
 16 PSEUDOTHROMBOCYTOPENIA WITH GIANT PLTS, 33 y/o M (PS)
 17 Hgb S-BETATHAL(0), 3 y/o M (PS)
 18 PMF WITH ERYTROID CLUSTERS, POS JAK2 (BX)
 19 FL, Gr 1/3, 73 y/o M (NECK MASS)
 20 NEUROBLASTOMA, 3 y/o M (AS)
 21 ↓ (BX)
 22 HIGH-GRADE B CELL LYMPHOMA, 43 y/o F (CSF)
 23 CLL MIMICKING INFECTIOUS MONO, 77 y/o M (PS)
 24 MCL IN PS, 84 y/o M; WBC =20 (PS)
 25 ALPHA-THAL TRAIT, 1 M/O F (PS)

- 26 CLL MIMICKING PLL, 47 y/o M (PS)
- 27 P. FALCIPARUM GAMETOCYTES, 3 y/o (PS)
- 28 ↓ (PS)
- 29 LYMPHOBLASTS IN CSF, 55 y/o F WITH ALL (CSF)
- 30 CLL, WBC= 298, PLT= 581, 70 y/o M (PS)
- 31 FLT3-POS AML, FISH-MOUTH BLASTS, 43 y/o M (PS)
- 32 HIGH-GRADE B CELL LYMPHOMA, 70 y/o F (PL)
- 33 CML, WBC=43, PLT =219, 45 y/o F (PS)
- 34 Hgb SC WITH DIC, 20 y/o M (PS)
- 35 ↓ (PS)
- 36 LIVER CIRRHOSIS WITH BLEEDING (IRON DEFICIENCY), 72 y/o F (PS)
- 37 HS WITH PARTIAL SPLENECTOMY, 10 y/o M (PS)
- 38 GOUT CRYSTALS, NUMEROUS (JF)
- 39 Hgb SC, 60 y/o M (PS)
- 40 WARM AUTO, ELEVATED LDH, POS DAT-IgG, 40 y/o M (PS)
- 41 CRITICAL AORTIC STENOSIS, NORMAL PT/PTT, HIGH LDH, 9 y/o M (PS)
- 42 ↓ (PS)
- 43 HEMANGIOMA THROMBOCYTOPENIC SYND, 2 W/O M (PS)
- 44 PLASMA BLASTIC MYELOMA WITH PLASMA CELL LEUKEMIA, 67 y/o F (PS)
- 45 ↓(AS)
- 46 EXTRAMEDULLARY HEMATOPOIESIS, MYELOFIBROSIS (SPLEEN)
- 47 VIT B12 DEFICIENCY, WITH ROULEAUX, 69 y/o F (PS)
- 48 MANY PENCIL CELLS, 31 y/o F WITH IRON DEFICIENCY (PS)
- 49 HUS, 3 y/o M , LDH= 2,275 (PS)
- 50 ↓ (PS)

+++++

SET 17B

- 51 ↓ (PS)
- 52 ABO HDN (ANTI-B), 1 w/o M (PS)
- 53 DIC, NO HDN, 3 d/o F (PS)
- 54 B12 DEFICIENCY, 70 y/o F (PS)
- 55 MANY ACANTHOCYTES IN LIVER DISEASE, 37 y/o F (PS)
- 56 HS IN 19 y/o F, RARE CRISIS (PS)
- 57 PELGER-HUET ANOMALY, 89 Y/O M (PS)
- 58 MIXED PHENOTYPE-ACUTE LEUKEMIA (MYELOID & B CELL), 37 F (PS)
- 59 HE, 9 Y/O M (PS)
- 60 ACUTE UNDIFFERENTIATED LEUKEMIA, 56 Y/O F (PS)
- 61 HS, 22Y/O F, NO SPLENECTOMY, NO PRIOR HEMOLYSIS UNTIL PREGNANCY (PS)
- 62 HELLIP SYND, 27 Y/O F, S/P SVD, WBC=17, HGB=6.3, PLT=84 (PS)
- 63 APL, 53% BLASTS, 39 Y/O M (PS)
- 64 CLL, RICHTER TRANSFORMATION TO DLBCL, 10% CENTROBLASTS IN PS, (PS)
- 65 MCL, 12% LYMPHOMA CELLS IN PS, 59 Y/O F (PS)
- 66 PLASMA CELL LEUKEMIA, 30% PLASMA CELL IN PS, 51 Y/O M (PS)
- 67 MACROCYTIC ANEMIA DUE TO VALPROIC ACID TREATMENT, MCV=108, 77 Y/O F (PS)

68 B CELL PLL, WBC=127, 91% PROLYMH, 73 Y/O F (PS)
 69 ↓ (PS)
 70 ↓ (PS)
 71 HE, 90 Y/O F (PS)
 72 HISTOPLSMA IN PMNS (PS)
 73 ↓ (PS)
 74 ↓ (PS)
 75 DIC IN BURN PT, MANY SPHERICAL FRAGMENTED RBCS (PS)
 76 T CELL-PLL, WBC=137, 87% PROLYMPHS, 69 Y/O F (PS)
 77 MCL, LEUKEMIC PHASE, t(11;14), 61 Y/O M (PS)
 78 PLATELET SATELLITOSIS, PLT=48, 82 Y/O M (PS)
 79 TAM, WBC=194, 97% BLASTS, 1 D/O M WITH DOWN SYND (PS)
 80 GCSF TREATMENT, AML WITH t(8;21), S/P CHEMO, 12% BLASTS IN PS, NEG
 CYTO/FISH/PCR (PS)
 81 DLBCL, IMMUNOBLASTIC VAR (GI BX)
 82 GCSF, DAY #5, PT WITH GERMINOMA, 10% BLASTS IN PS (PS)
 83 TETRALOGY OF FALLOT (VS DEFECT, AORTIC REGURG), ERYTHROCYTOSIS
 (HGB 19.8) 9 Y/O M (PS)
 84 ET, ON HYDREA, MCV=107, HGB=9.8, 79 Y/O M (PS)
 85 WARM AUTO AB, LDH=600, POS DAT IgG, 23 Y/O M (PS)
 86 ELEVATED IMMUNOGLOBULIN (AS IN MYELOMA) MIMICKING TRYPANOSOMA,
 56 Y/O M (PS)
 87 WARM AND COLD ABS, PLATLET CLUMPS, LDH=900, POS DAT (IgG +C3), 78 Y/O F
 (PS)
 88 COLD AGGLUTININ, WITH SALINE REPLACEMENT AND WARMING, 68 Y/O F (PS)
 89 DIC IN 3RD DEGREE BURN PT, MANY SPHEROCYTIC SCHISTOCYTES, 68 Y/O F
 (PS)
 90 APL, APPLE CORE CELLS, WBC=21, PLT 87, HGB=9.2, 36 Y/O M (PS)
 91 PLL (TRANSFRED FROM CLL), WBC=97, 90% PROLYMPH, POS CD5, CD19, CD20,
 FMC7, BRIGHT (RESTRICTED) KAPPA; NEG CD23, 99 Y/O F (PS)
 92 MONOTONOUS/MATURE LYMPHS (90%), NORMAL FLOW, 60 Y/O F (PR)
 93 MICROANGIOPATHIC HEMOLYSIS, MECH MVR AND AVR, 68 Y/O F (PS)
 94 DHTR, ANTI JK_a, POS DAT (IgG), LDH=600, RETIC=8%, 81 Y/O M (PS)

+++++