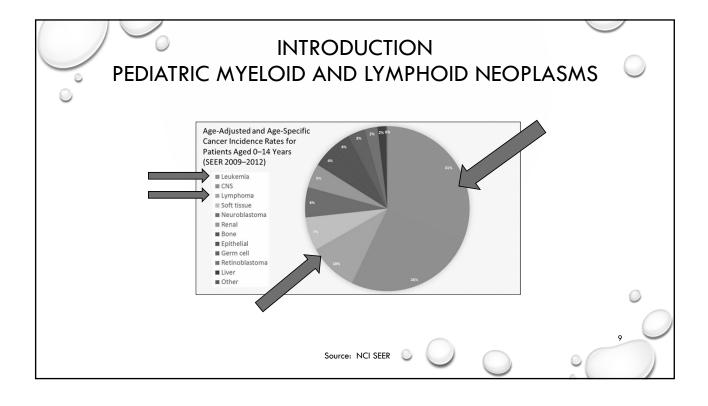
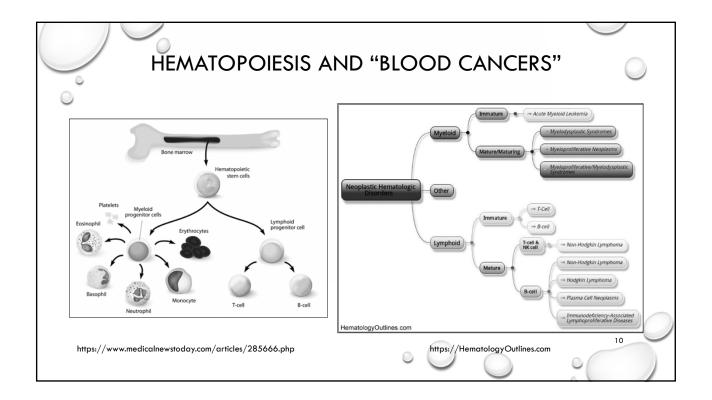
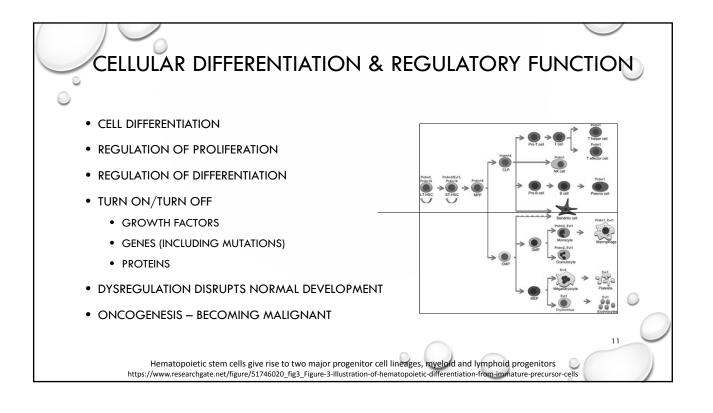
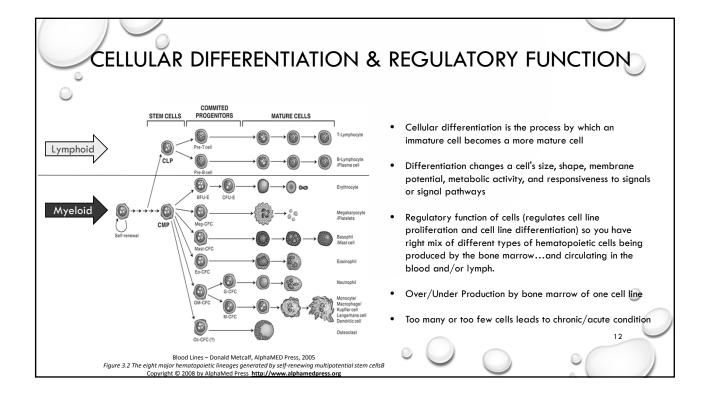


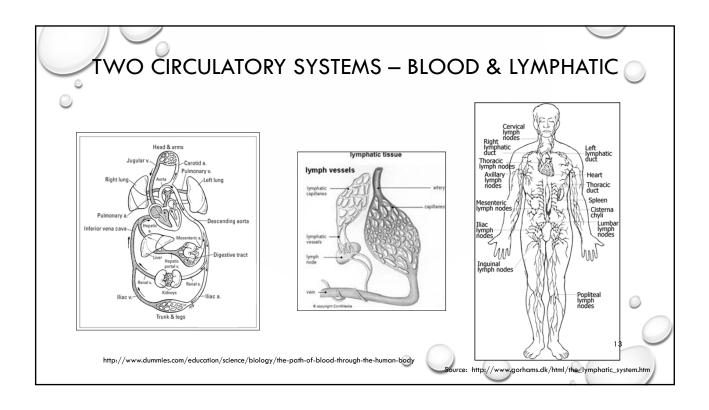
ADUL	INTRODUCTION T MYELOID AND LYMPHOID NEOPLA	asms
	Figure 3. Leading Sites of New Cancer Cases and Deaths – 2017 Estimates	
	Male Female	
	Prostate 161,360 19% Breast 252,710 30% Lung & bronchus 116,990 14% Lung & bronchus 105,510 12% Colon & rectum 71,420 9% Utrinary bladder 60,490 7% Utrinary bladder 60,490 7% Uterine corpus 61,380 7% Kidney, renat pakin 40,510 5% Melanoma of the skin 24,040 5%	
	Non-Hodgkin lymphoma 40,080 5% Non-Hodgkin lymphoma 32,160 4% Leukemia 36,290 4% Leukemia 25,840 3%	
	Concerning x pharyinx 35,r29 4% Leonerina 25,700 3% Unit cariny x pharyinx 35,r29 4% Participant 25,700 3% Liver & intrahepatic bile duct 29,200 3% Kidney & renal pelvis 23,380 3% All sites 856,150 100% All sites 852,630 100%	
	Male Female	
	Mate Female Lung & bronchus 84,590 27% Colon & rectum 27,150 9% Prostate 26,730 8% Prostate 26,730 8% Leukennia 14,300 4% Leukennia 12,240 4% Urinary bladder 12,240 4% Non-Hodgkin hymphoma 18,620 3% Brain & other nervous system 9,620 3% All sites 318,420 100%	0
	Estimates are rounded to the nearest 10, and cases exclude basal cell and squamous cell skin cancers and in situ carcinoma except urinary bladder. ©2027, American Cancer Society, Inc., Surveillance Research	8
	2017 Cancer Facts & Figures – American Cancer Society	\circ

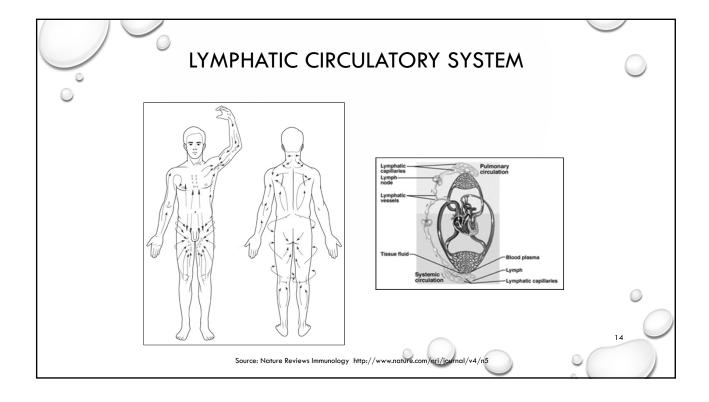


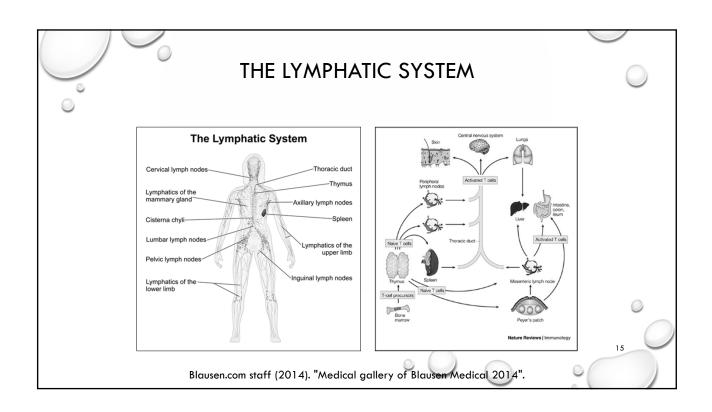


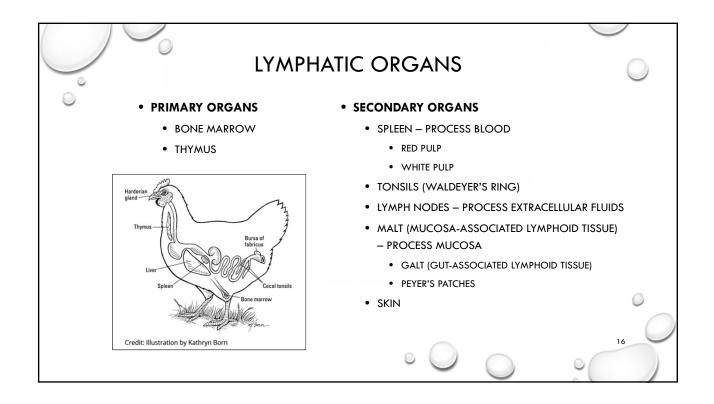


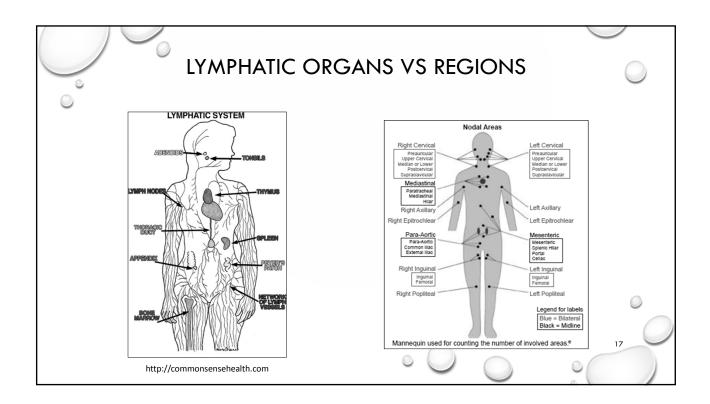


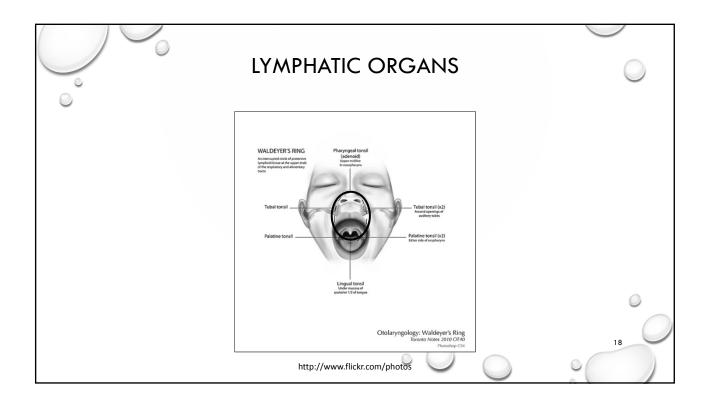


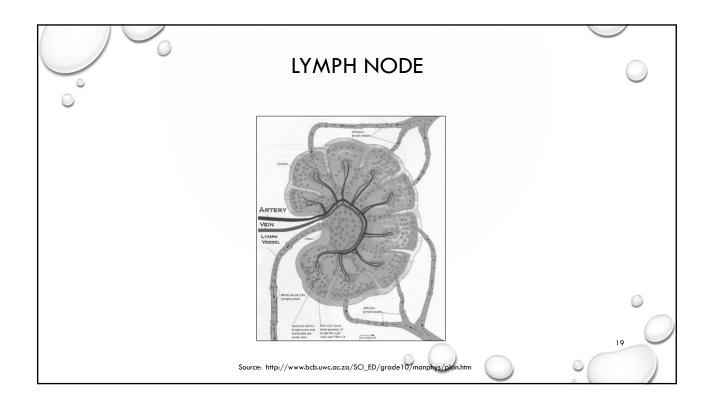


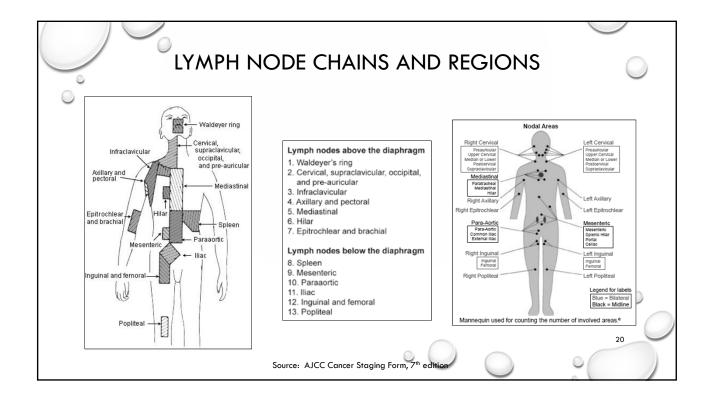




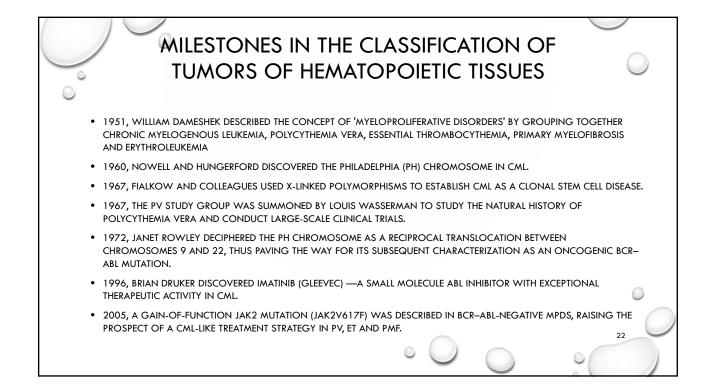


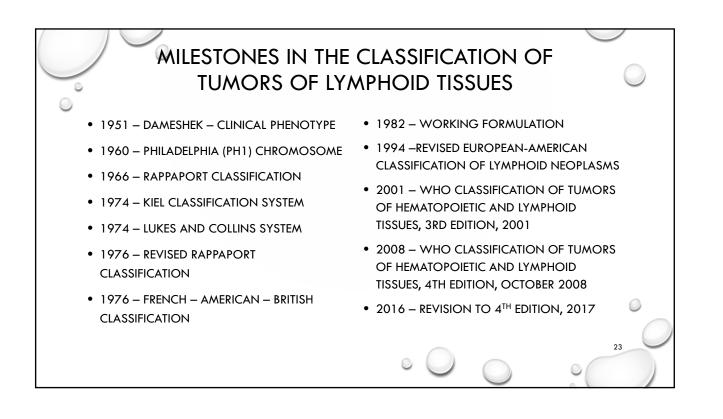


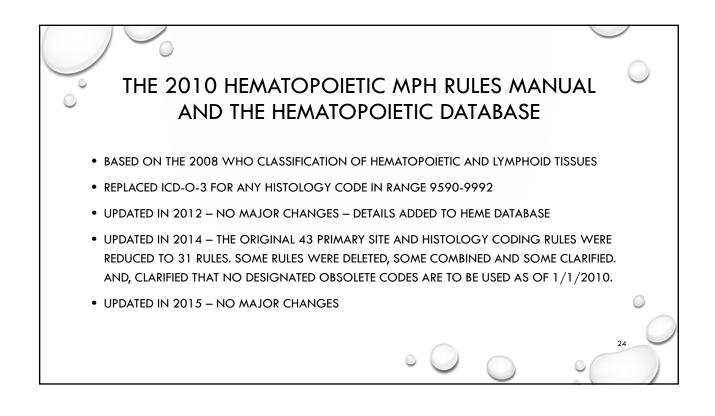




	2012 Hematopoietic and Lymphoid Neo	plasm Case Report	ability and Coding Manual		
0	App Lymph Node/Lymph N	oendix C ode Chain Refer	ence Table		\bigcirc
\bigcirc	Use this table with the Primary Site and Histology Rules to determine whether i ICD-O-3 lymph node regions. This table contains the names of lymph nodes that have the capsule and sims st etc. is not represented in this table. New: Pathology report usy identify lymph nodes within most organs, the most con called intra-(organ name) lymph nodes such as intransmumary lymph nodes. W organ lymph node not listed on the table, code to the ICD-O-3 repography cod	ructure of true lyn mon being breast, p Ve have included the	uph nodes. Lymphoid tissue arotid gland, lung, and pancrea most common intra-organ lym	such as that in the GI tract, tonsils, s. The lymph nodes in these organs are	
	Table C1: Lymph Node/Lymph Node Chain Reference Table Lymph Node/Lymph Node Chain	Use for MP/H	ICD-O-3 Lymph Node Region(s)	AJCC/CS Staging	
	Abdominal	C772	Intra-abdominal	Mesenteric	
	Anorectal	C775	Pelvic	Pelvic, right and left*	
	Anterior axillary	C773	Axilla or arm	Axillary, right and left*	
	Anterior cecal	C772	Intra-abdominal	Mesenteric	
	Anterior deep cervical	C770	Head, face and neck	Cervical, right and left*	
	Anterior jugular	C770	Head, face and neck	Cervical, right and left*	
	Aortic NOS; ascending aortic lateral aortic; lumbar aortic; para-aortic; peri- aortic	C772	Intra-abdominal	Para-aortic	
	Aortico-pulmonary window (subaortic)	C772	Intra-abdominal	Para-aortic	
	Appendiceal	C772	Intra-abdominal	Mesenteric	
	Ascending aortic	C772	Intra-abdominal	Para-aortic	
	Aselli's glands (nodes near pancreas)	C772	Intra-abdominal	Para-aortic	
	Auricular NOS: infra-auricular: pre-auricular: post-auricular: retro-auricular	C770	Head, face and neck	Cervical, right and left*	
	Axillary, lateral;	C773	Axilla or arm	Axillary, right and left*	
	Axillary, anterior	C773	Axilla or arm	Axillary, right and left*	
	Azygos (lower paratracheal)	C771	Intrathoracic	Mediastinal	
	Brachial	C773	Axilla or arm	Axillary, right and left*	
	Bronchial; bronchopulmonary; hilar; proximal lobar; pulmonary root	C771	Intrathoracic	Hilar	
	Bronchopulmonary	C771	Intrathoracic	Hilar	0
	Bronchopulmonary; bronchial hilar; proximal lobar; pulmonary root	C771	Intrathoracic	Hilar	
	Buccal	C770	Head, face and neck	Cervical, right and left*	<u> </u>
	Buccinator (facial)	C770	Head, face and neck	Cervical, right and left*	
	Calot's node (cysto-hepatic triangle or hepato-biliary triangle)	C772	Intra-abdominal	Para-aortic	
	Cardiac	C771	Intrathoracic	Mediastinal	
	Version 2.2 (February 2013) Effective with Cases D			61	21

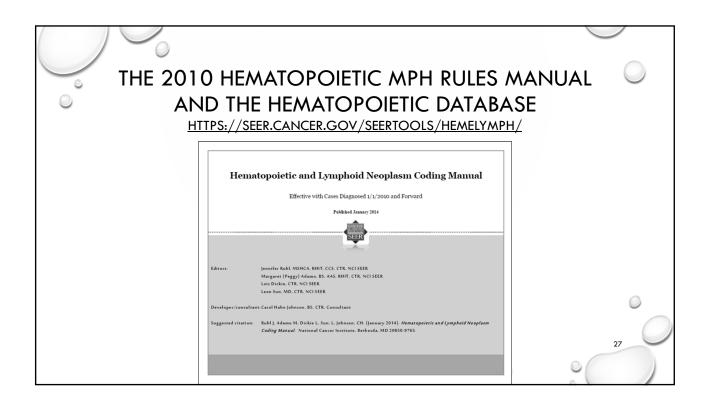


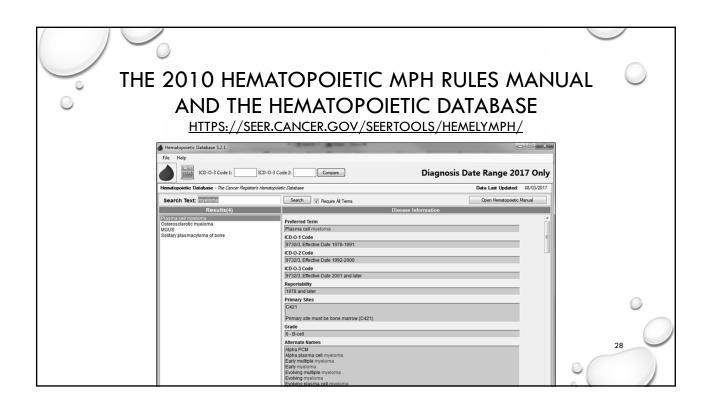


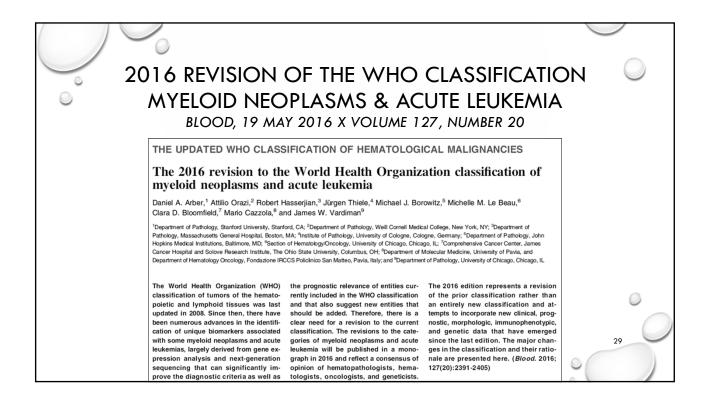


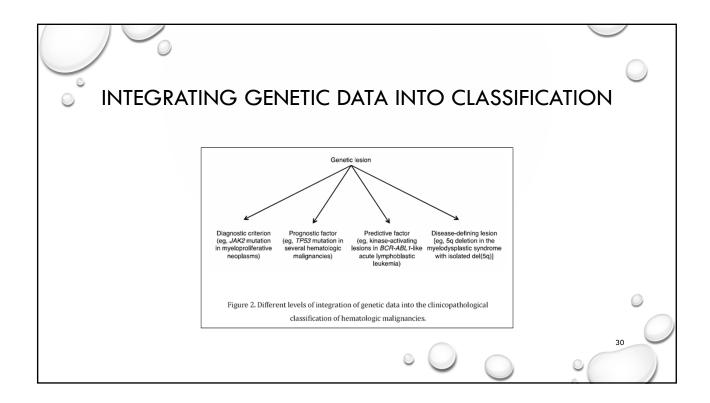
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\bigcirc	A	AND THE HEMATOPOIETIC DATABASE	
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	Hematopoietic	c and Lymphoid Neoplasm Database Hematopoietic Coding Manual (PDF) ICD-O-3 Code Lists User Guide (PDF)	
	Multiple Primaries	Calculator	
	The Multiple Primarie Multiple Primaries Ca	Calculator was designed to be used with the coding manual. Follow the rules and workflow in the manual prior to using the calculator. Use the inclustor when the rules instruct you to do so. If you are working with cases diagnosed before 2010 use the <u>ICD-O-3 Hematopoletic Primaries Table</u> alculator should only be used for cases where at least one of the diagnoses is from 2010 or forward. Morphology Code 2 Calculate	
	Close Multiple Primari	ies Calculator	
		Search	
	191 neoplasms		
	ICD-O-3 Morpholog		
	9870/3 9805/3	Acute basophilic leukemia Acute biphenotypic leukemia absolete	
	9840/3	Acute orphenotypic reukernia	
	9910/3	Acute erganismi euremia	
	9891/3	Acute monoblastic and monocytic leukemia	-
	9911/3	Acute myeloid leukemia (megakaryoblastic) with t(1:22)(p13:g13); RBM15-MKL1	
	9871/3	Acute myeloid leukemia with inv(16)(p13.1q22) or t(16;16)(p13.1;q22); CBF8–MYH11	
	9869/3	Acute myeloid leukemia with inv(3)(q21q26.2) or t(3;3)(q21;q26.2); RPN1–EV11	25
	9874/3	Acute myeloid leukemia with maturation	
	9872/3	Acute myeloid leukemia with minimal differentiation	

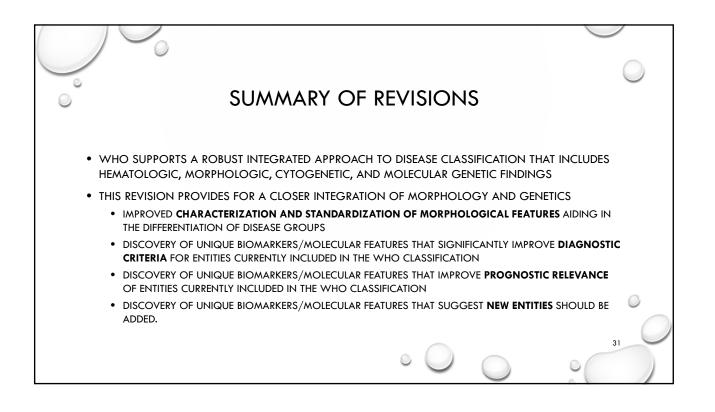
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<u>нт</u>	TPS://SEER.CANCER.GO	V/SEERTOOLS/HEM	<u>NELYMPH/</u>	
Grade 6 - B-cell Module Rule None Alternate Names	The International <u>Staging System for Multiple</u> Myeloma Staging 1. Amount of monoclonal (or <u>myeloma</u>) protein (M protein) in th 2. Various clinical <u>parameters</u> such as: <u>hemoglobin</u> and <u>serum c</u> <u>lexions</u> 3. Presence or absence of renal failure. Stage I	Transformations to None Transformations from 9731/3: Solitary plasmactyoma of bone 9734/3: Stratosseous plasmacytoma		
Autoria recentine Alpha alasma cell myseloma Early multiple, nyseloma Early multiple, nyseloma Evolving myseloma Evolving gasana cell myseloma Gamma glatama cell myseloma	stage II Stage II Treatment Watchful waiting: <u>Asymptomatic</u> patients with no <u>lytic lesions an</u> For patients with <u>symptoms</u> and advanced disease 1. induction therapy 2. Consolidation therapy	Same Primaries <u>9733/3: Plasma cell leukemia</u> Corresponding ICD-9 Codes 203.0 Multiple <i>myeloma</i> 203.1 Plasma cell leukemia Corresponding ICD-10 Codes	Epidemiology and Mortality Age: 70 years median age care in children and adults less than in Incidence: 10-16 year hymatogeoing: makipancies Incidence: 10-16 years hymatogeoing Race: Occurs in african americans twice as much as caucasians Sec: male predominance Santhal: Stage II-62 months median surcival. Stage II: 44 months autoball	
Indolem Professiona Indolem Professiona Kabler's diseasa Medialary zilasmacytoma Medialary zilasmacytoma Medio	Maintenance therapy Supportive care Definitive Diagnostic Methods Bence-Jones protein Boren marrow biopy Genetic testing Immunoobeneopyping	C90.0 Multiple myeloma C90.1 Plasma cell leukemia Corresponding ICD-10-CM Codes (U.S. only) C90.0 Multiple Myeloma C90.1 Plasma cell leukemia Signs and Symptoms <u>Anemia</u>	(effective October 01, 2015) (effective October 01, 2015)	
PCL PCM Plasmacytic leukemia Piramy PCL Secondary plasma.cell leukemia Smoldering Janekoma Smoldering Janam.cell mystema	Peripheral blood smear Genetics Data Five major <u>encogenes</u> <u>involved</u> in 14 <u>9</u> 22 <u>translocation</u> : cyclin D High load of IGHV <u>gene somatic</u> hypermutation <u>immunojobulm heavy and light chain genes</u> are clonally rearra <u>Trisomies</u> Whole or partial chromosome deletions or translocations	Pathological fractures	<u>ulles</u> causing renal damage	0
Definition Plasma cell myselema is a bone marrow-based multifocal p spectrum from asymptomatic to aggressive forms, plus dis immunoglobulin chains in tissue. Plasma cell myselema is a type of cancer of the plasma cells module available in the second	whole or partia <u>citoEnsorme_services</u> of <u>transmeators</u> LOD196 COD36 COD36 berrantly expressed (except PCL) CO556- (PCL) CO59a	Diagnostic Exams Blood and urine immunoglobulin studies Bloom marrow aspiration and biopsy Complete blood count (CBC) Crtogenetic analysis MRI (magnetic resonance imaging) MRI (magnetic resonance imaging)		26



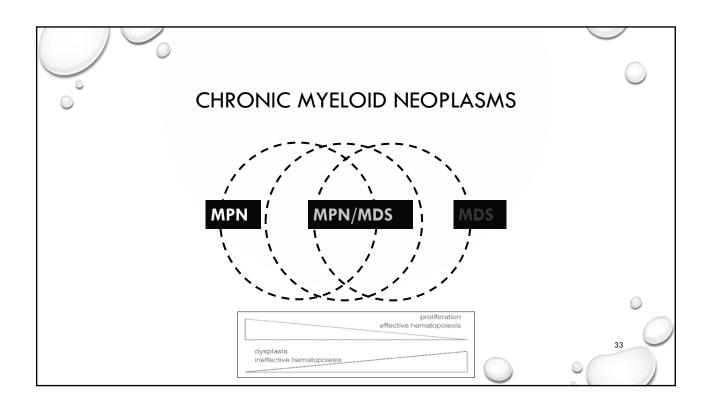


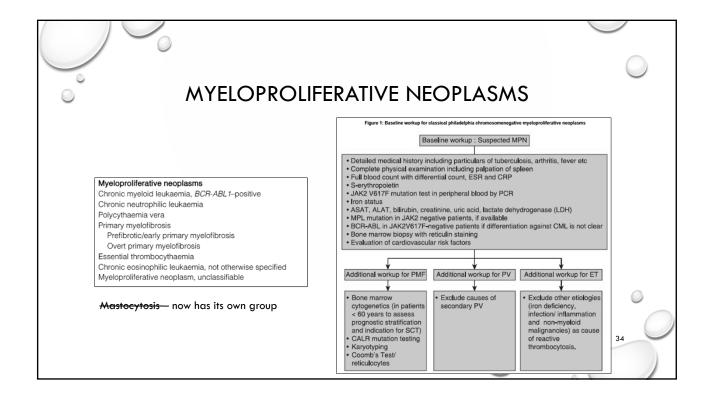


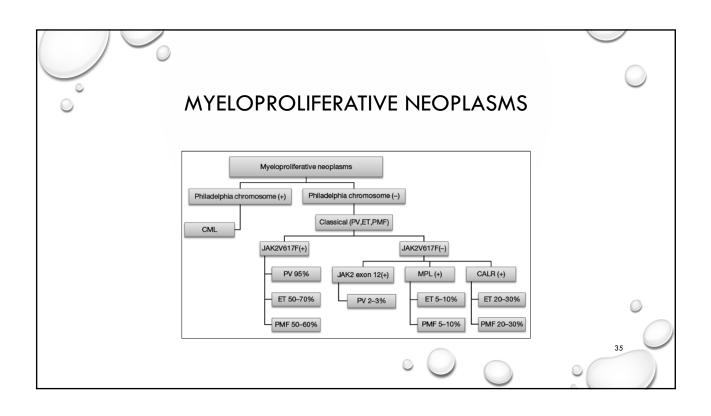


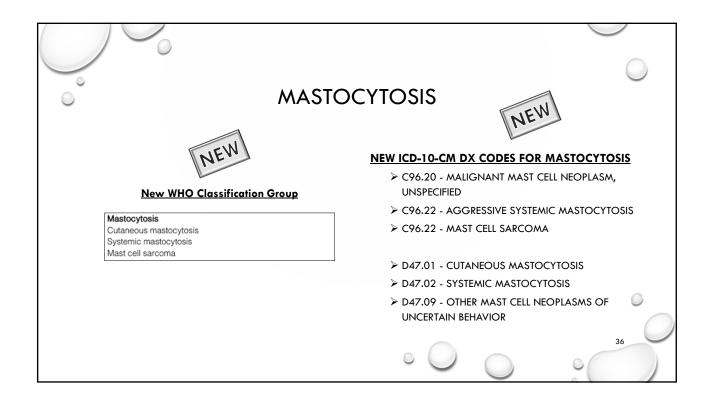


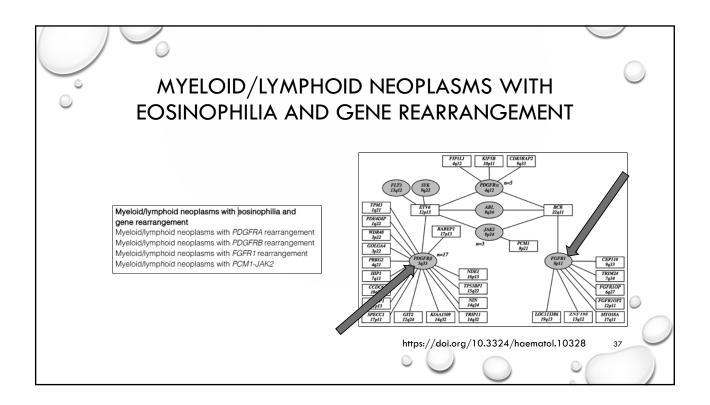
SI	JMMARY OF REVISIC	NS O	
Table. WHO Myeloid Neoplasms and Acute Leukemias			
MPN Observerse and a second se	Myeloid neoplasms with germ line predisposition	Acute leukemias of ambiguous lineage	
Chronic myeloid leukernia, BCR-ABL1* Chronic neutrophilic leukernia	AML and related neoplasms	Acute undifferentiated leukemia	
	AML with recurrent genetic abnormalities	MPAL with t(9;22)(q34.1;q11.2); BCR-ABL1	
Polycythemia vera PMF	AML with t(8;21)(q22;q22.1); RUNX1-RUNX171	MPAL with t(v;11q23.3); KMT2A rearranged	
PMF PMF, prefibrotic/early stage	AML with inv(16)(p13.1q22) or t(16;16)(p13.1;q22); CBFB-MYH11	MPAL, B/myeloid, NOS	
	Acute promyelocytic leukemia with PML-RARA	MPAL, T/myeloid, NOS	
PMF, overt fibrotic state Essential thrombocythemia	AML with 1(9;11)(p21.3;q23.3); MLLT3-KMT2A	B-lymphoblastic leukemia/lymphoma	
	AML with t(6;9)(p23;q34.1); DEK-NUP214	B-lymphoblastic leukemia/lymphoma, NOS	
Chronic eosinophilic leukemia, NOS	AML with inv(3)(q21.3q26.2) or t(3;3)(q21.3;q26.2); GATA2, MECOM	B-lymphoblastic leukemia/lymphoma with recurrent genetic abnormalities	
Mastocytosis	AML (megakaryoblastic) with t(1;22)(p13.3;q13.3), RBM15-MKL1	B-lymphoblastic leukemia/lymphoma with t(9;22)(q34.1;q11.2); BCR-ABL1	
Myeloid/lymphoid neoplasms with eosinophilia and rearrangement of PDGFRA, PDGFRB, or FGFR1, or with PCM1-JAK2	Provisional entity: AML with BCR-ABL1	B-lymphoblastic leukemia/lymphoma with t(v;11q23.3); KMT2A rearranged	
Myeloid/lymphoid neoplasms with PDGFRA rearrangement	AML with mutated NPM1	B-lymphoblastic leukemia/lymphoma with t(12;21)(p13.2;q22.1); ETV6-RUNX1	
Myeloid/lymphoid neoplasms with PDGFRB rearrangement	AML with biallelic mutations of CEBPA	B-lymphoblastic leukemia/lymphoma with hyperdiploidy	
Myeloid/lymphoid neoplasms with FGFR1 rearrangement	Provisional entity: AML with mutated RUNX1		
Provisional entity: myeloid/lymphoid neoplasms with PCM1-JAK2 rearrangement	AML with myelodysplasia-related changes	B-lymphoblastic leukemia/lymphoma with hypodiploidy	
MDS/MPNs	Therapy-related myeloid neoplasms	B-lymphoblastic leukemia/lymphoma with t(5;14)(q31.1;q32.3); IL3-IGH	
Chronic myelomonocytic leukemia	AML, NOS	B-lymphoblastic leukemia/lymphoma with t(1;19)(q23;p13.3); 7CF3-PBX1	
Atypical chronic myeloid leukemia, BCR-ABL1	AML with minimal differentiation	Provisional entity: B-lymphoblastic leukemia/lymphoma, BCR-ABL1-like	
Juvenile myelomonocytic leukemia	AML without maturation	Provisional entity: B-lymphoblastic leukemia/lymphoma with iAMP21	
MDS/MPN with ring sideroblasts and thrombocytosis	AML with maturation	T-lymphoblastic leukemia/lymphoma	
MDS/MPN, unclassifiable	Acute myelomonocytic leukemia	Provisional entity: early T-cell precursor lymphoblastic leukemia	
MDS	Acute monoblastic/monocytic leukemia	Provisional entity: natural killer cell lymphoblastic leukemia/lymphoma	
MDS with single lineage dysplasia	Pure erythroid leukemia	Note: Provisional entities are italicized. New or renamed entities are in red. MLL has been renamed KMT2A The inv(3)(q21.3q26.2) or 1(3:3)(q21.3q26.2) does not represent a fusion gene, but repositions GATA2	
MDS-RS	Acute megakaryoblastic leukemia	to activated MECOM expression and conter GATA2 haploinsufficiency. Abbreviations: AML, acute myeloid	
MDS-RS with single lineage dysplasia	Acute basophilic leukemia	loukernia; MDS, myelodysplastic syndromes; MPN, myeloproliterative neoplasms; MDS-RS, MDS with ring sideroblasts; MPAL, mixed phenotype acute loukernia; NOS, not otherwise specified; PMF, primary	
MDS-RS with multiincoge dysplasia	Acute panmyelosis with myelofibrosis	reyelofibrosis.	
MDS with multilineage dysplasia	Myeloid sarcoma		
MDS with excess blasts	Myeloid proliferations related to Down syndrome		
MDS with isolated del(5g)	Transient abnormal myelopoiesis		
MDS, unclassifiable	Myeloid leukemia associated with Down syndrome		
Provisional entity: refractory cytopenia of childhood	Blastic plasmacytoid dendritic cell neoplasm		

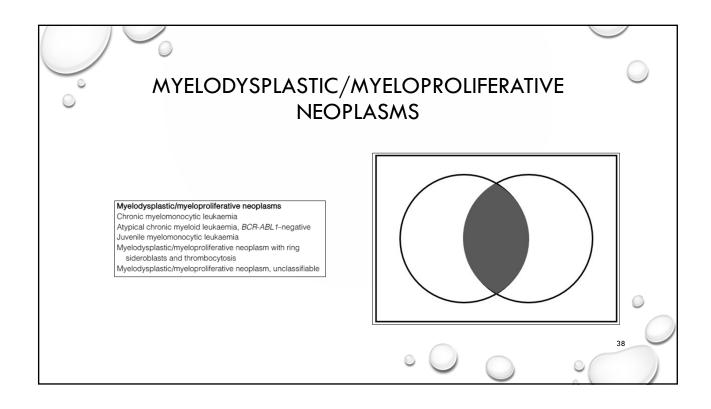


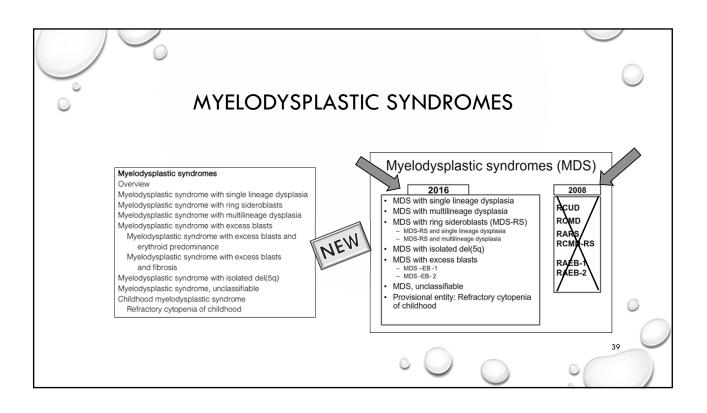


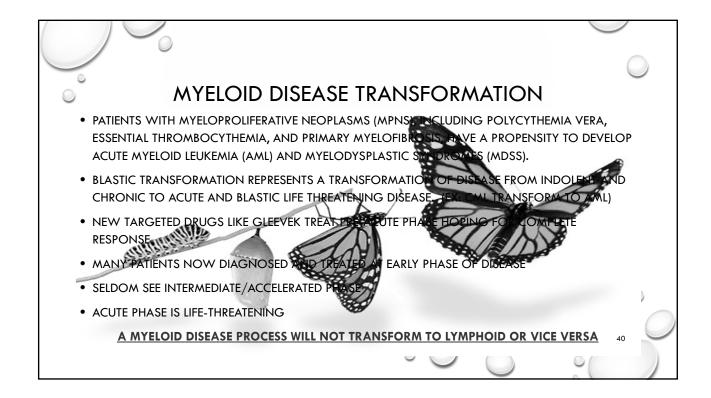


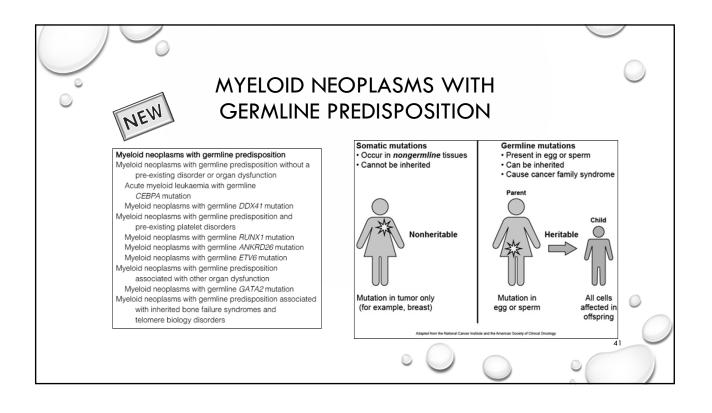


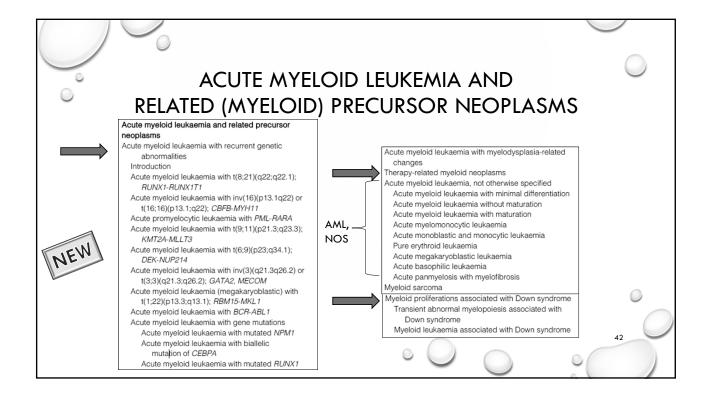


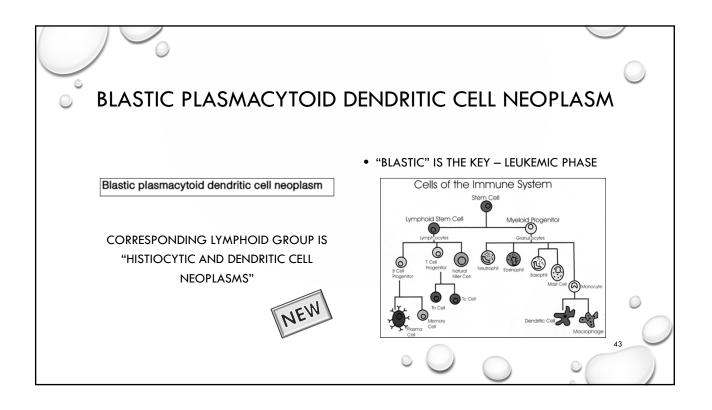


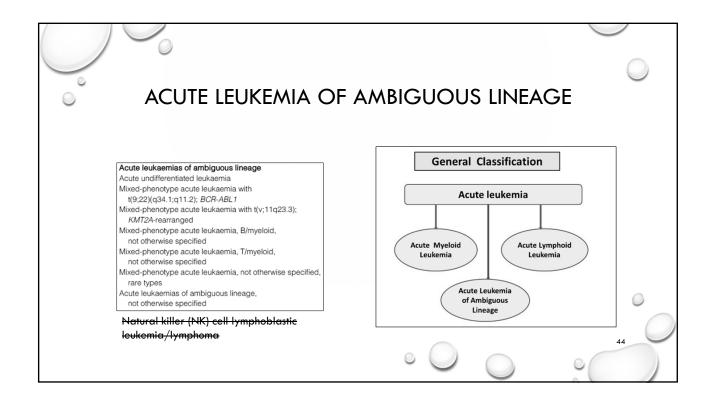


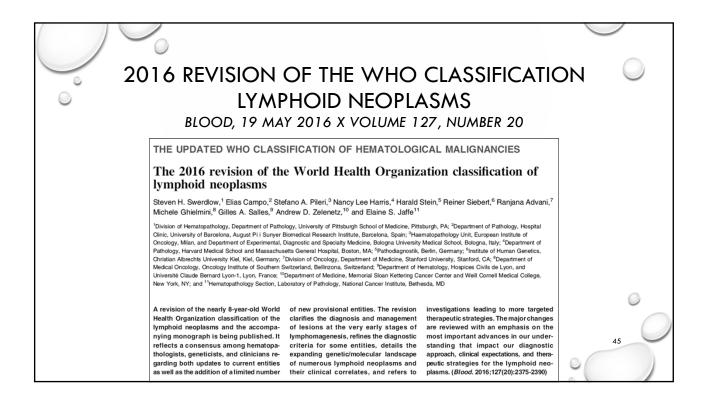


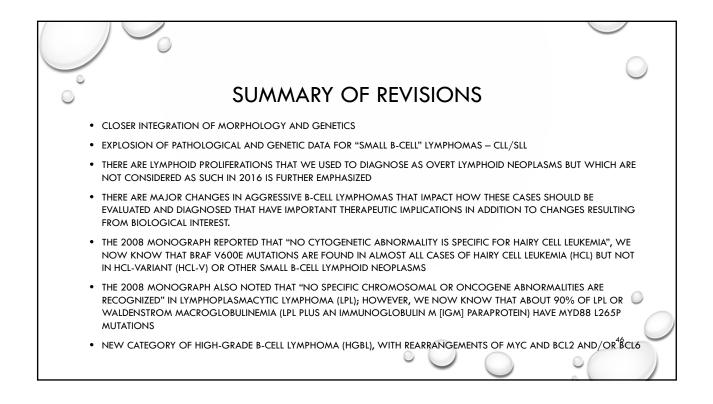


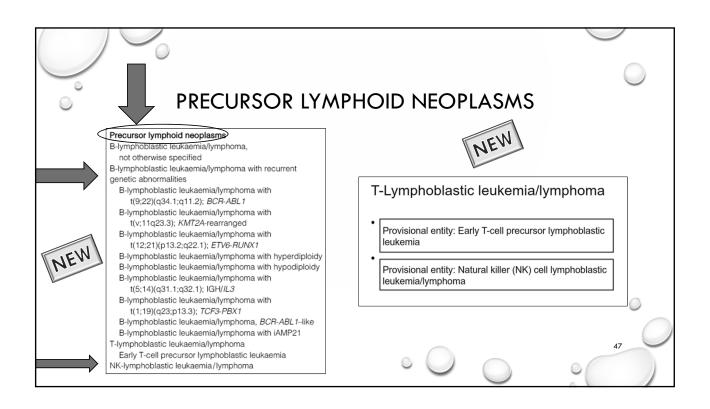


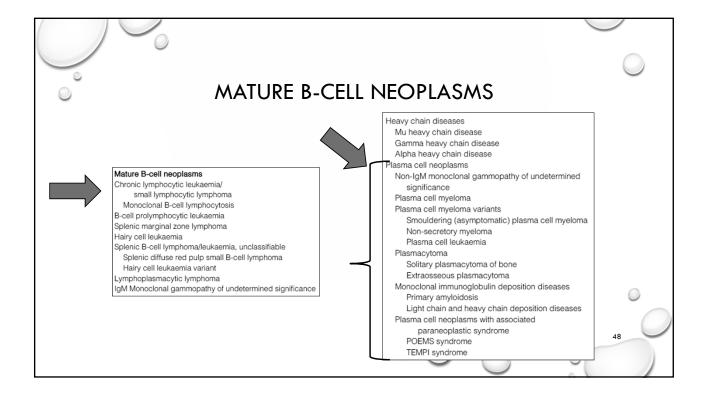


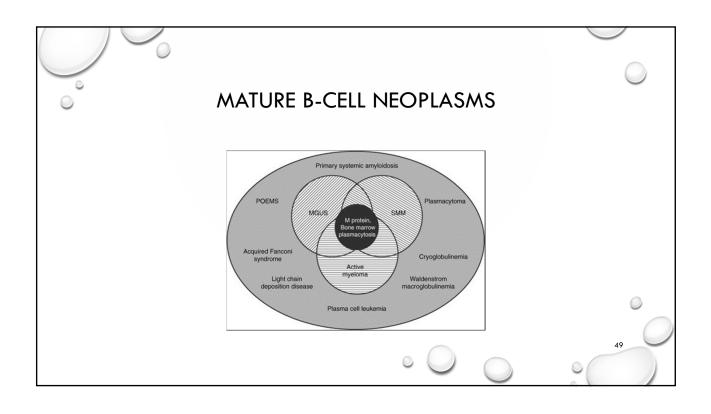


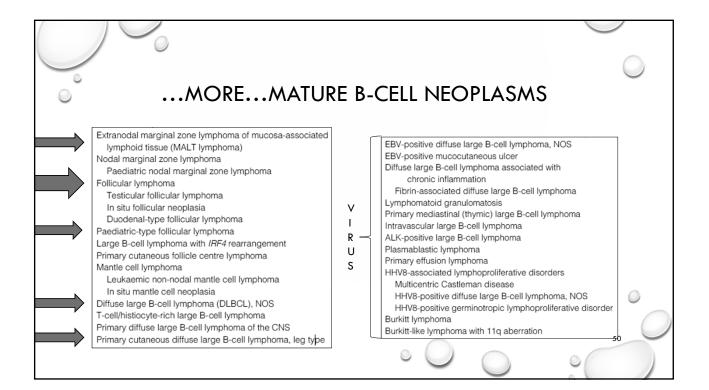




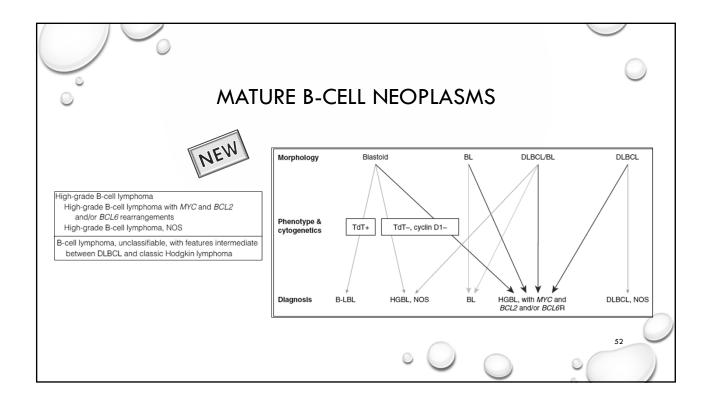


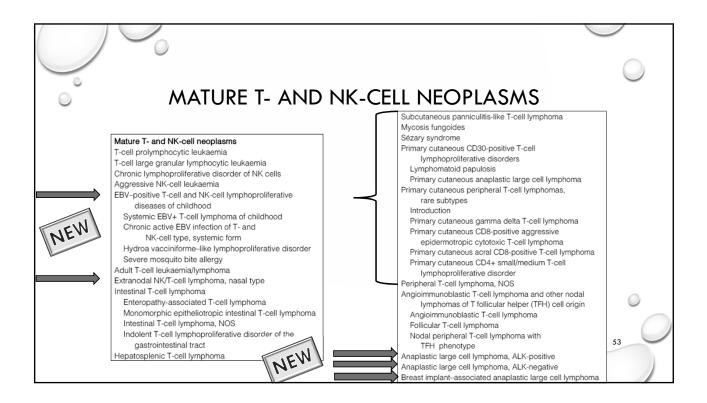


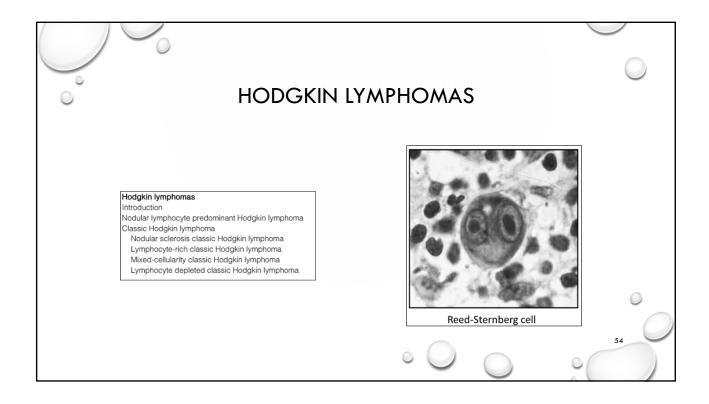


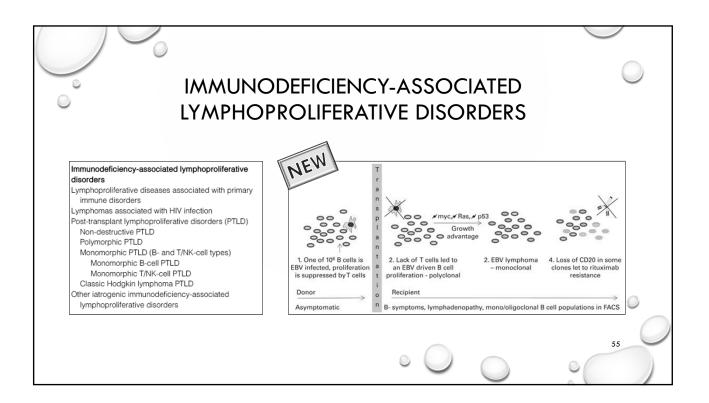


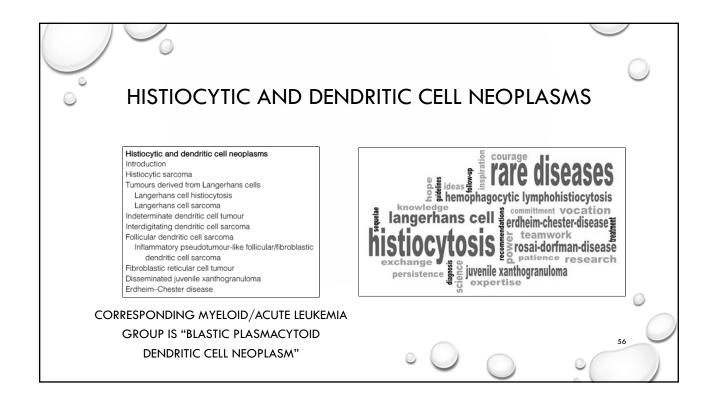
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	Infectious Agen	ts Associated with the Development of Lymphoid Malignancies]	
	Infectious Agent	Lymphoid Malignancy		
	Epstein-Barr virus	Burkitt's lymphoma Post–organ transplant lymphoma Primary CNS diffuse large B cell lymphoma Hodgkin's disease Extranodal NK/T cell lymphoma, nasal type		
	HTLV-I	Adult T cell leukemia/lymphoma		
	HIV	Diffuse large B cell lymphoma Burkitt's lymphoma	_	
	Hepatitis C virus	Lymphoplasmacytic lymphoma		
	Helicobacter pylori	Gastric MALT lymphoma		
	HHV 8	Primary effusion lymphoma Multicentric Castleman's disease		
	Harrison's Pi	rinciples of Internal Medicine, 17th Edition		51

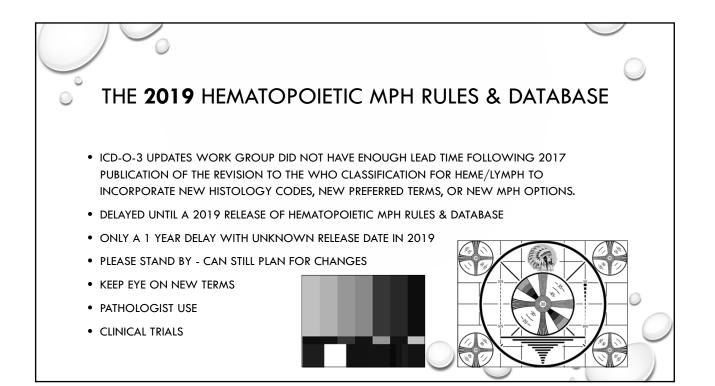


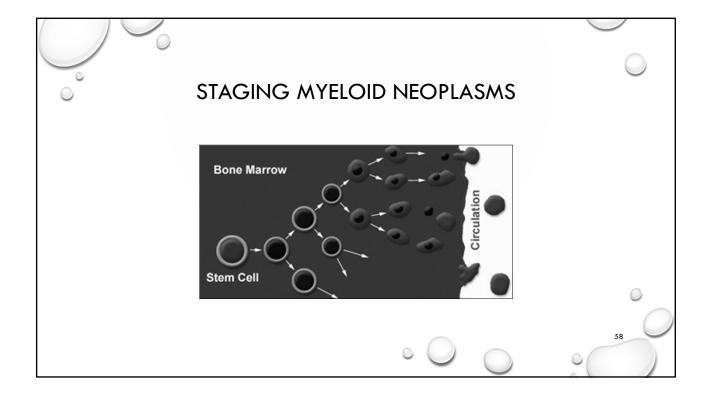




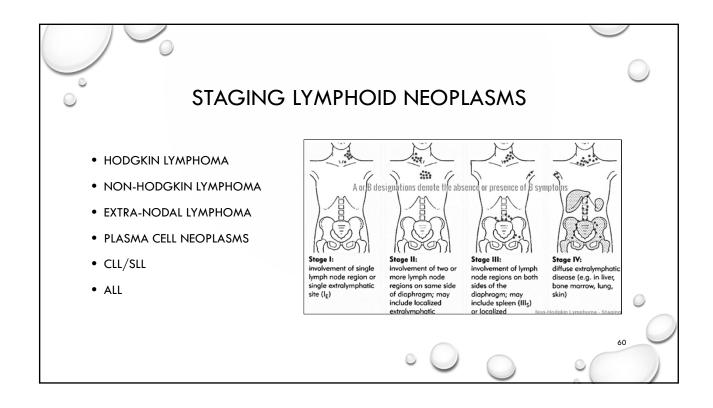


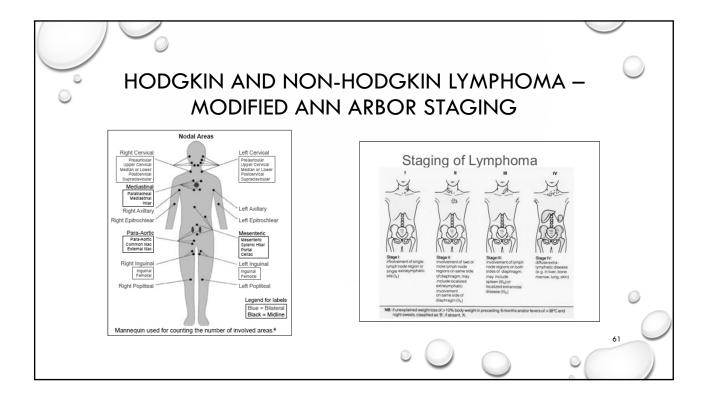


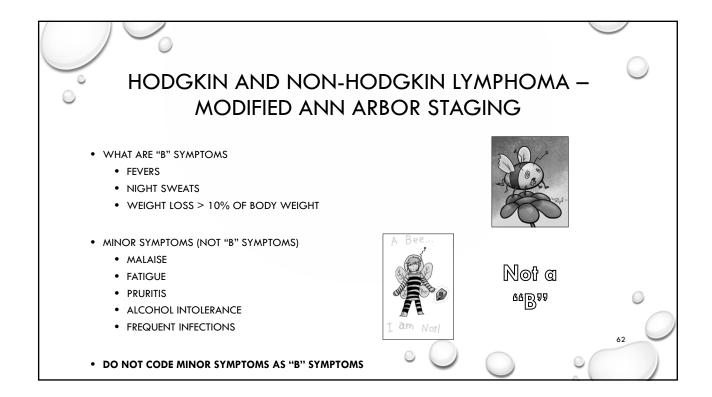




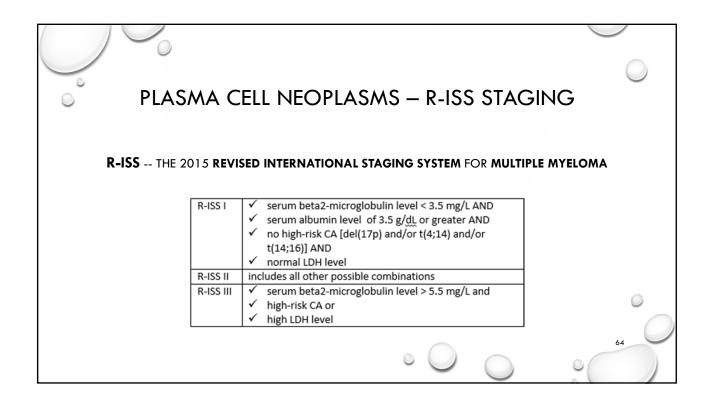
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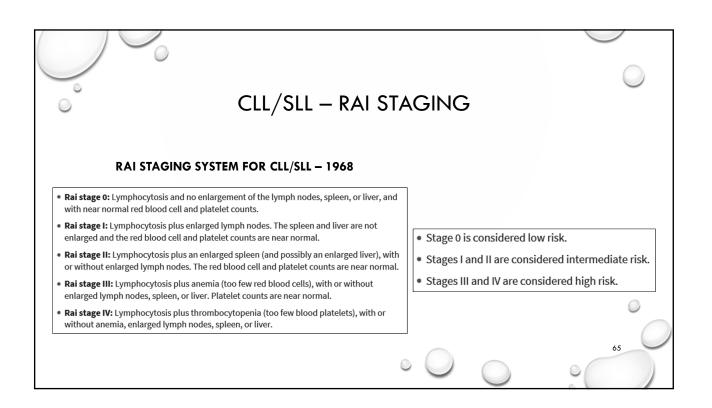


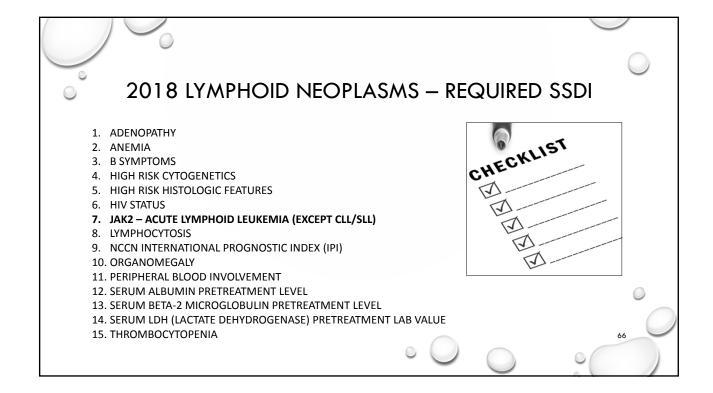




MC	EXTRANC DIFIED A	ANN A	RBORS	STAGING	
Lugar	no Staging System for intestinal Lymphomas	Lugano Modification of Ann Arbor Staging System	TNM Staging System Adapted for Gastric Lymphoma	Tumor Extension	
Stage I _E	Confined to GI tract ^a				
	I _{E1} = mucosa, submucosa	I _E	T1 N0 M0	Mucosa, submucosa	
	I _{E2} = muscularis	I _E	T2 N0 M0	Muscularis propria	
	propria, serosa	I _E	T3 N0 M0	Serosa	
Stage II _c	Extending into abdomen	-			
o mgo ne	II _{E1} = local nodal involvement	II _E	T1-3 N1 M0	Perigastric lymph nodes	
	II _{E2} = distant nodal involvement	IIE	T1-3 N2 M0	More distant regional lymph nodes	
Stage II _E	Penetration of serosa to involve adjacent organs or tissues	II _E	T4 N0 M0	Invasion of adjacent structures	0
Stage IV ^b	Disseminated extranodal involvement		T1-4 N3 M0	Lymph nodes on both sides of the diaphragm/	
	or concomitant supradiaphragmatic nodal involvement	IV	T1-4 N0-3 M1	distant metastases (eg, bone marrow or additional extranodal sites)	63
	ni F, Yahalom J, Isaacson P. Extra na) in Armitage et al eds. Non-Ho				



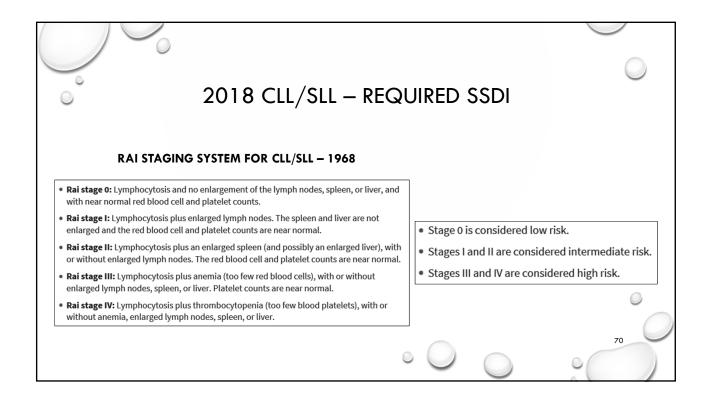




00		DPLASMS – RE	
	B Symptoms HIV Status NCCN International Prognostic Index (IPI)	Chapters 79, 80 Chapters 79, 80 Chapters 79, 80	All Lymphoma All Lymphoma All Lymphoma
			0
		• 🔾	67

2018 CUTANEOUS LY	'MPHOMA – REG	QUIRED SSDI
Peripheral Blood Involvement	Chapter 81: Primary Cutaneous Lymphomas: MF/SS Required for Staging	P Site: C44.*, C51, C60, C63.2 Histology: 9597, 9680, 9700,9701, 9708, 9709, 9712, 9718, 9719, 9726, 9727
		· · · · · · · · · · · · · · · · · · ·
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	• 🔾	68

2018 PLASMA CELL NE	OPLASMS – R	EQUIRED SSDI	\bigcirc
R-ISS	STAGING		
R-ISS THE 2015 REVISED INTERNATIO	NAL STAGING SYSTEM F	OR MULTIPLE MYELOMA	
High Risk Cytogenetics	Chapter 82: Plasma Cell Myeloma Required for Staging (RISS)	9731, 9732, 9734 Only	
Serum Albumin Pretreatment Level	Chapter 82: Plasma Cell Myeloma Required for Staging (RISS)	9731, 9732, 9734 Only	
Serum Beta-2 <u>Microglobulin</u> Pretreatment Level	Chapter 82: Plasma Cell Myeloma Required for Staging (RISS)	9731, 9732, 9734 Only	
Serum LDH (Lactate Dehydrogenase) Pretreatment Lab Value	Chapter 82: Plasma Cell Myeloma Required for Staging (RISS)	9731, 9732, 9734 Only	0
High Risk Cytogenetics: several cytogenetic ab nonhyperdiploidy, and gain(1q)			
	• 🔘		69



000		L – REQUIRED STAGING	SSDI	
	Thrombocytopenia	Chapter 79: CLL/SLL only (AJCC ID 79.5) Required for staging (RAI)	9823 Only	
	Adenopathy	Chapter 79: CLL/SLL only (AJCC ID 79.5) Required for staging (RAI)	9823 Only	
	Adenopathy	Chapter 79: CLL/SLL only (AJCC ID 79.5) Required for staging (RAI)	9823/3 Only	
	Anemia	Chapter 79: CLL/SLL only (AJCC ID 79.5) Required for staging (RAI)	9823/3 Only	
	Lymphocytosis	Chapter 79: CLL/SLL only (AJCC ID 79.5) Required for staging (RAI)	9823/3 Only	0
	Organomegaly	Chapter 79: CLL/SLL only (AJCC ID 79.5) Required for staging (RAI)	9823/3 Only	71
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