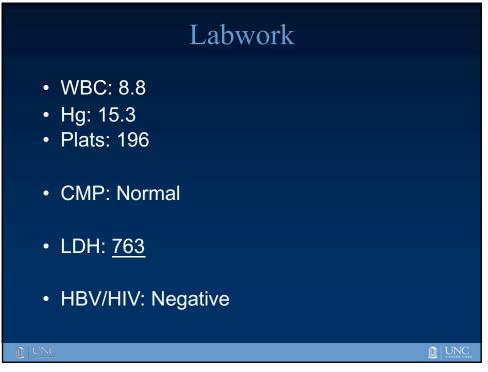
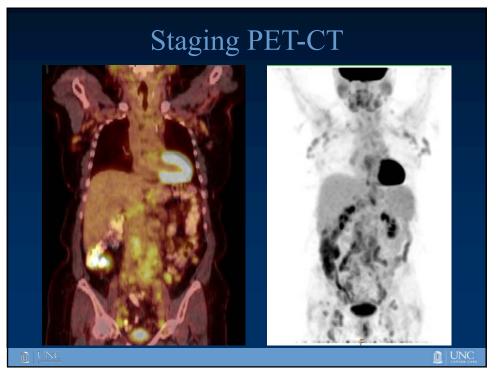


MCL Case

- 82y F with no PMH presents with palpable lymphadenopathy and fatigue.
- ECOG: 0 (patient is very active)
- Palpable LAD on exam (axilla, inguinal)
- Had excisional inguinal LN biopsy:
 - Pathology c/w non-blastoid MCL
 - Ki67 Proliferation Index=10%
 - Translocation (11;14)

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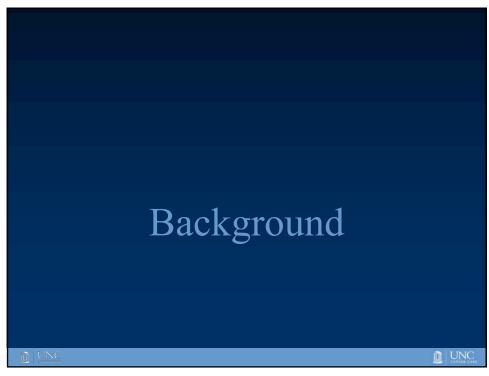
MCL Case

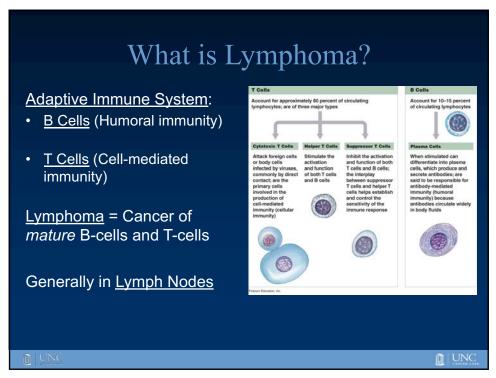
- The patient started surveillance, which lasted for 1 year
- Her LAD progressed, and she had worsening fatigue.
- Decision was made to proceed with further workup and treatment.

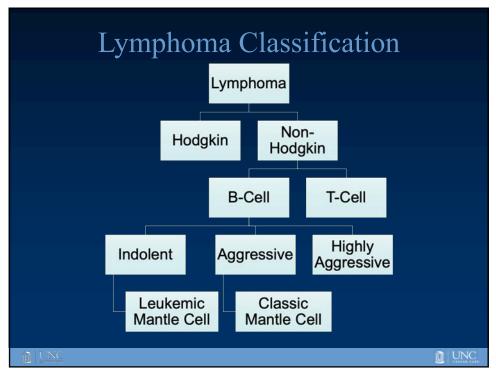
I UNG

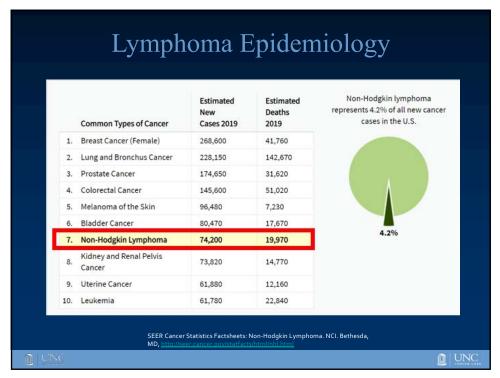
UNC

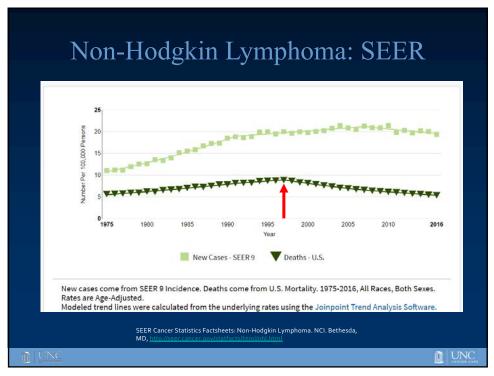
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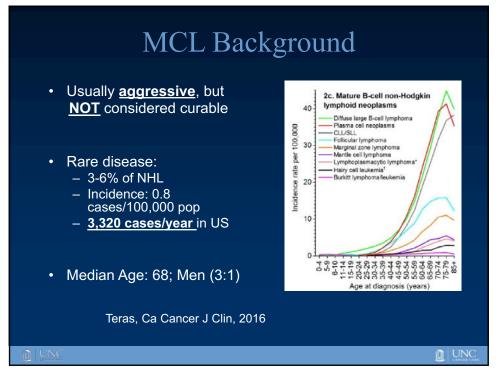




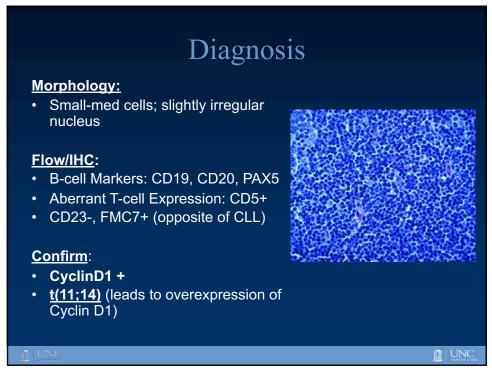


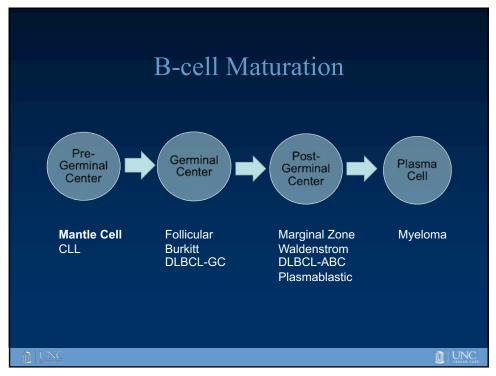


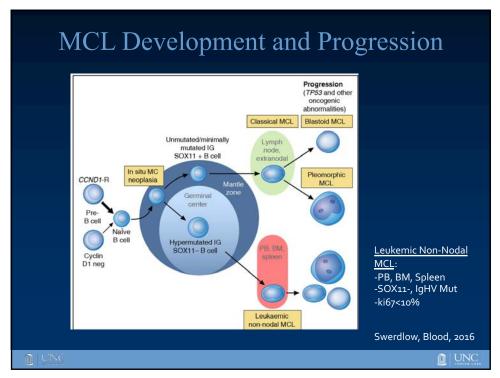


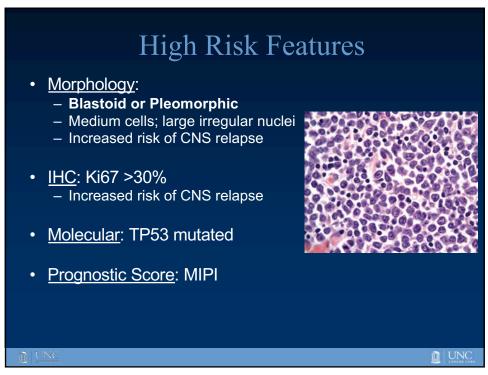


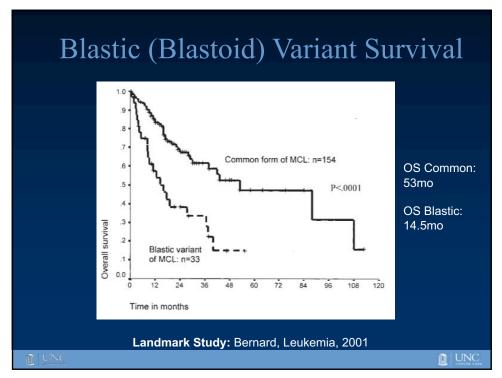


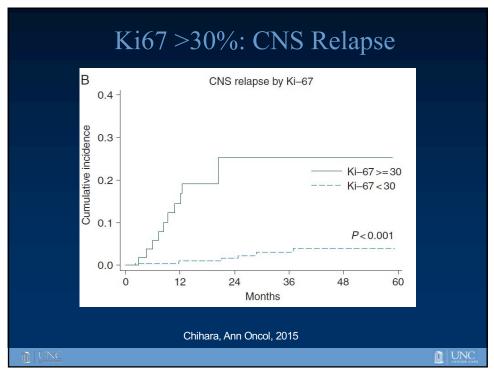


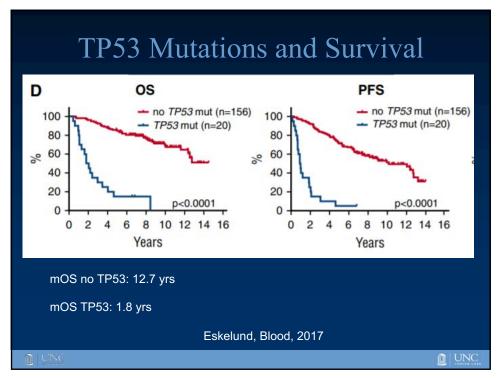


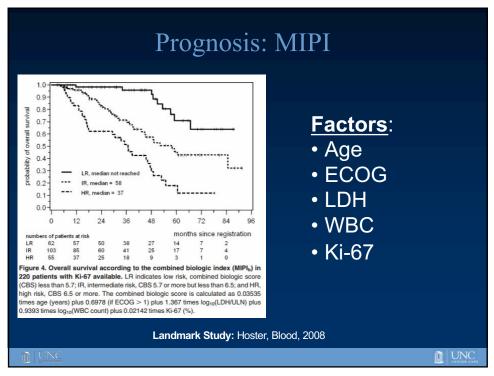


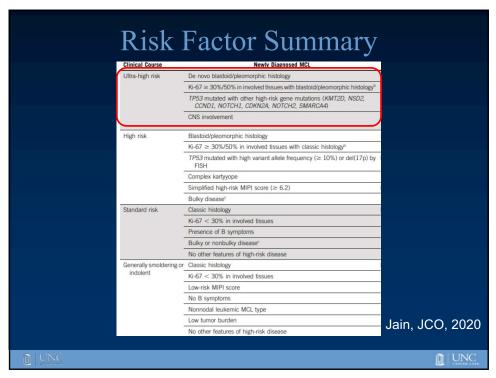




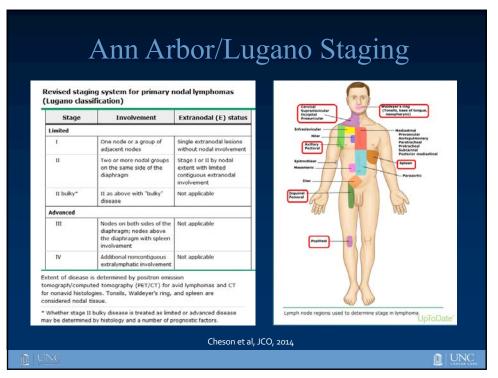


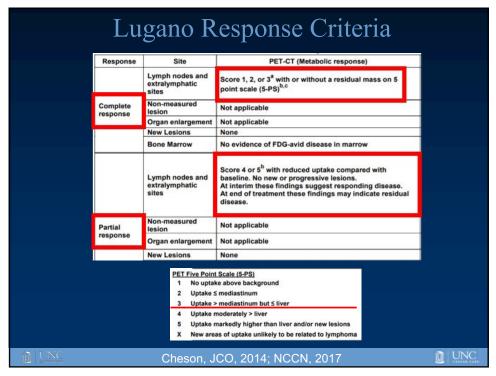






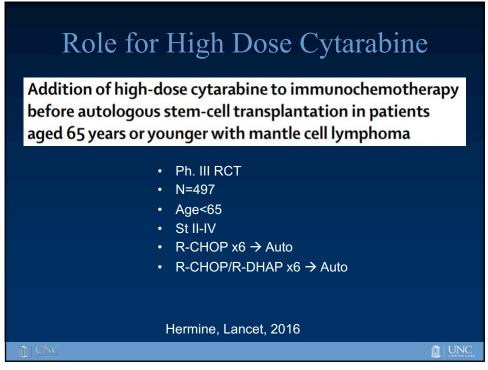
Workup • Labs: CBC, CMP, LDH, TLS, HBV, HIV, +/peripheral flow, +/- BM bx • Imaging: PET-CT • TTE: pre-transplant • GI Involvement Common – Endoscopy/Colonoscopy to confirm stage I/II • CNS Workup for Blastoid/Pleomorphic, Ki67>30% – Lumbar Puncture with CSF for flow – MRI brain if symptoms



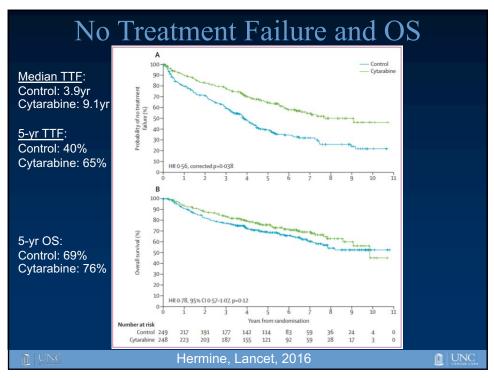


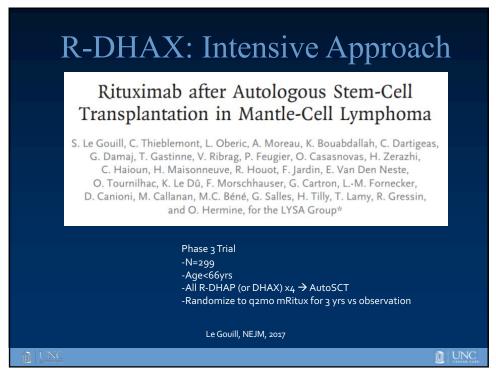


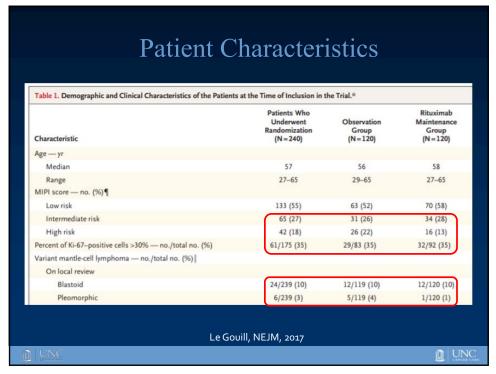


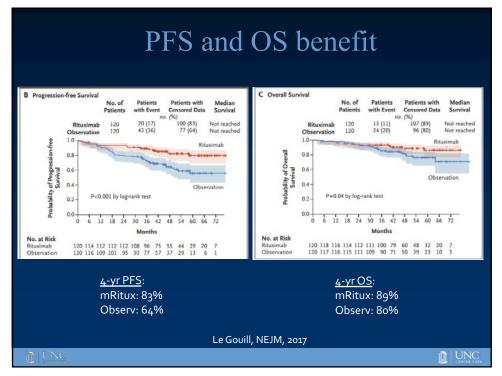


	Control group (n=234)	Cytarabine group (n=232
Age (years)	55 (48-60)	56 (50-60)
Male sex	186 (79%)	183 (79%)
Ann Arbor stage		
II	7 (3%)	10 (4%)
III	31 (13%)	31 (13%)
IV	196 (84%)	191 (82%)
MIPI		
Score	5-60 (5-29-5-93)	5.56 (5.31-5.88)
Low risk	141 (60%)	150 (65%)
Intermediate risk	60 (26%)	51 (22%)
High risk	33 (14%)	31 (13%)
Blastoid mantle cell lymphoma*	14/159 (9%)	14/169 (8%)
Ki67 index*		
Median (IQR)	20% (12-34%)	21% (11-32%)
≥30%	38/132 (29%)	34/129 (26%)
Biological MIPI*		
Low risk	35/132 (27%)	45/129 (35%)
Intermediate risk	64/132 (48%)	58/129 (45%)
High risk	33/132 (25%)	26/129 (20%)









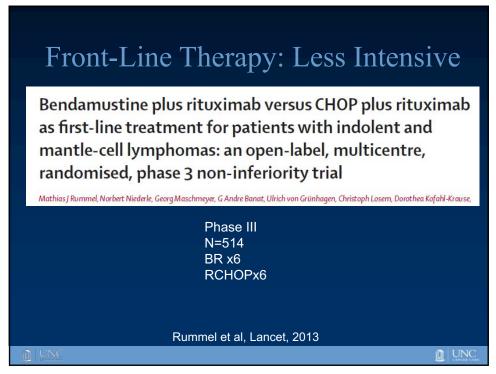
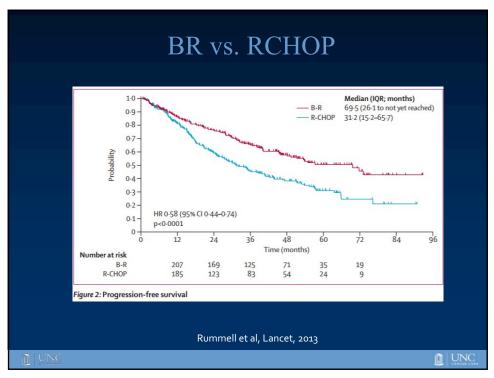
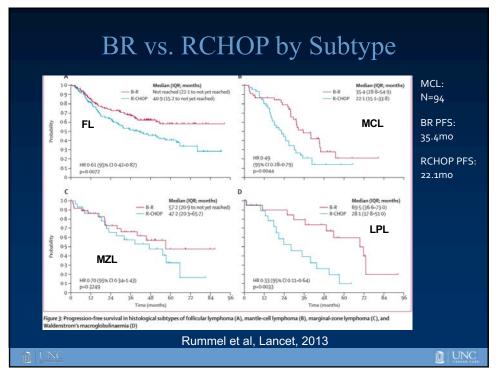
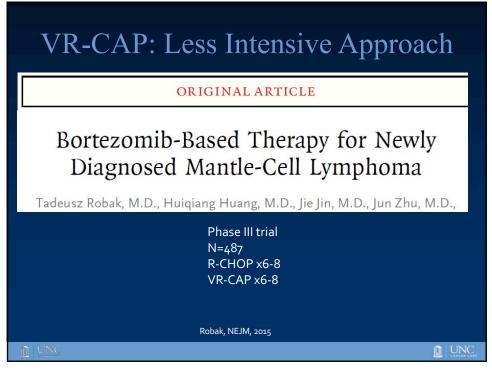
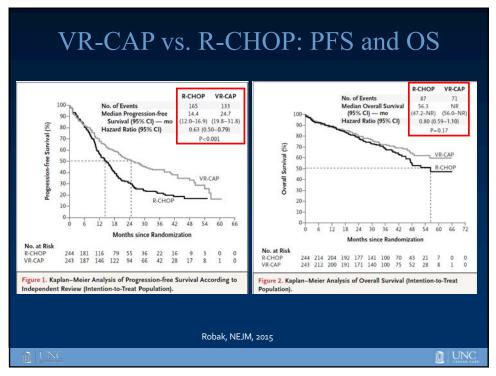


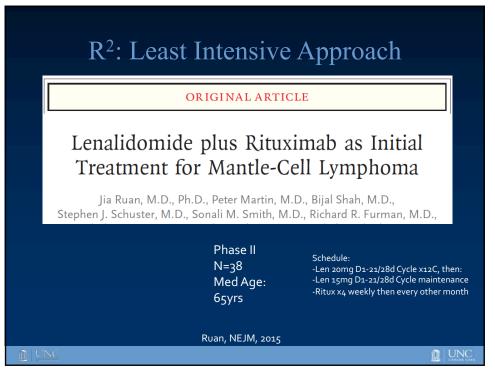
	Table 1: Histology		
		B-R (n=261)	CHOP-R (n=253)
	Age (years)	64 (34-83)	63 (31-82)
Phase III N=514 BR x6	<60	94 (36%)	90 (36%)
	61-70	107 (41%)	105 (42%)
	>70	60 (23%)	58 (23%)
RCHOPx6	Stage		
	II	9 (3%)	9 (4%)
	III	50 (19%)	47 (19%)
	IV	202 (77%)	197 (78%)
	Histology		
	Follicular	139 (53%)	140 (55%)
	Mantle cell	46 (18%)	48 (19%)
	Marginal zone	37 (14%)	30 (12%)
	Lymphoplasmacytic*	22 (8%)	19 (8%)
	Small lymphocytic	10 (4%)	11 (4%)
	Low grade, unclassifiable	7 (3%)	5 (2%)
UNC	Rummel e	t al, Lancet, 201	3

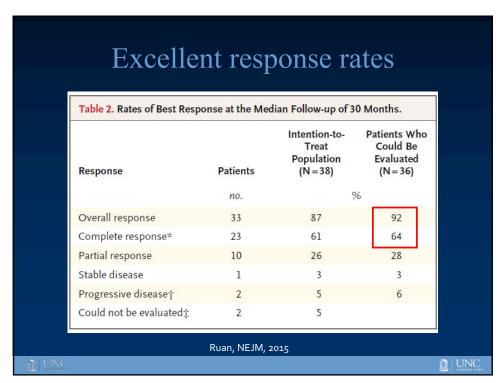


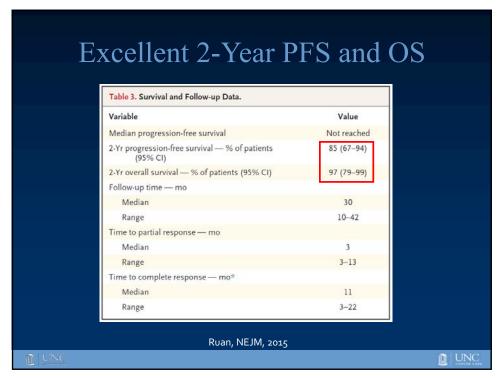


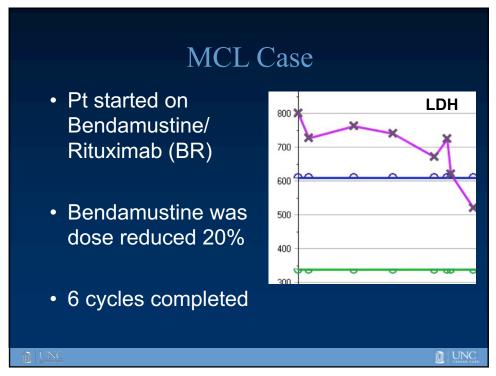


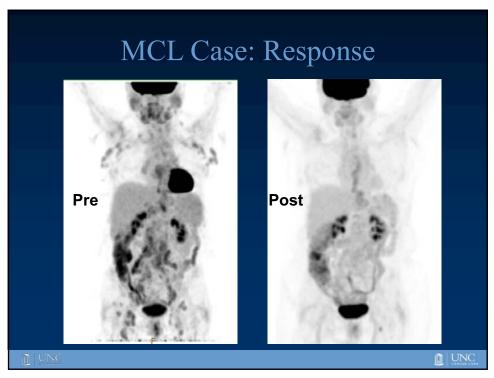








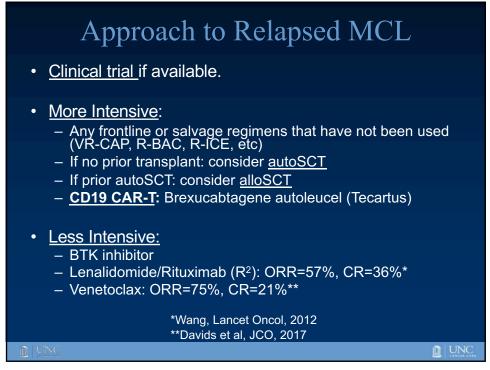


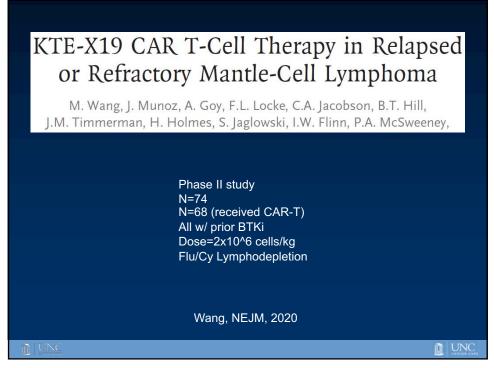


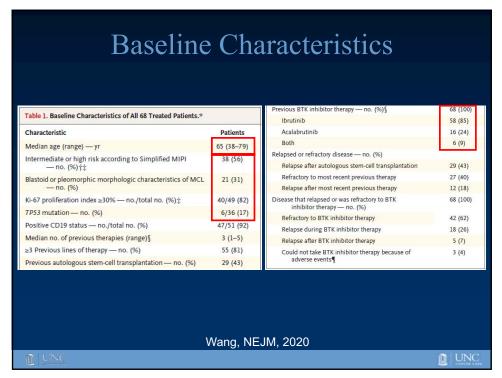
MCL Case

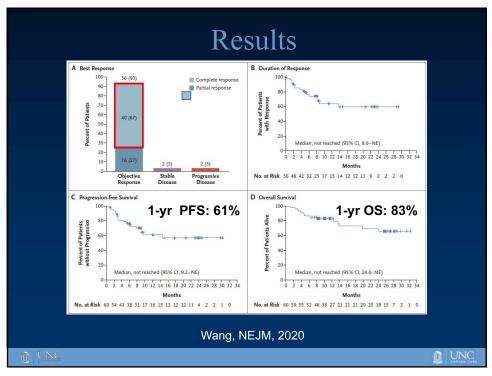
- Patient remained in <u>Complete Remission</u> for 3 years.
- Now at age 86, she developed severe night sweats, fevers, weight loss.
- PET showed diffuse LAD
- Diagnosed with relapsed MCL

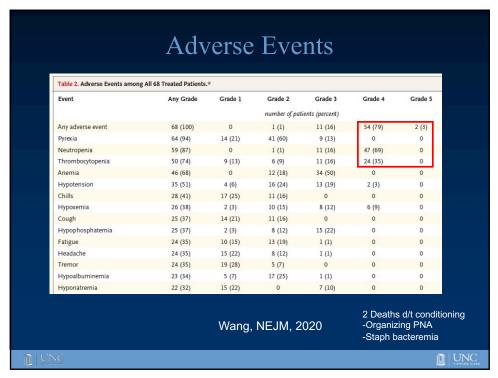
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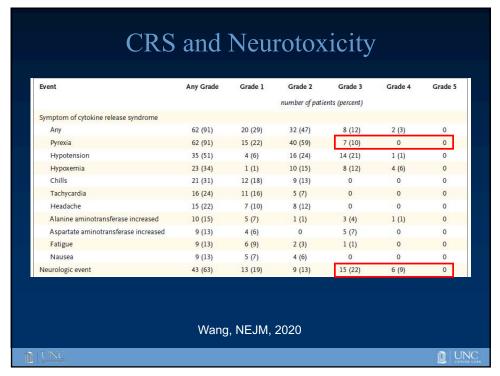












Relapsed Oral Agents: BTK Inhibition

- Ibrutinib (Wang, NEJM, 2013)
 - Relapsed (N=111): ORR=68%; CR=21%
- <u>Ibrutinib/Palbociclib</u> (Martin, Blood, 2020)
 - Relapsed (N=27): ORR=67%; CR=37%; 2-yr PFS=59.4%
- Acalabrutinib (Wang, Lancet, 2017)
 - Relapsed (N=124): ORR=80%; CR=40% (no prior BTKi)
- Zanubrutinib (Song, CCR, 2020)
 - Relapsed (N=86): ORR=84%; CR=68.6 (no prior BTKi)

III UN

UNC

53

MCL Case

- Pt started on <u>Acalabrutinib</u>
- · In first month, symptoms resolved
- Awaiting restaging PET-CT.

m LUNC

UNC

Clinical Trials at UNC

- Frontline:
 - <u>EA4151</u>: A Randomized Phase III Trial of Consolidation w/ autoSCT followed by mRituximab vs. mRituximab Alone for Patients w/ *MRD-Negative* First CR.
 - EA4181: A Randomized 3-Arm Phase II Study in <70 Untreated MCL Comparing:
 - 1.) Benda/Rituximab/HD Cytarabine
 - 2.) Benda/Rituximab/HD Cytarabine/Acalabrutinib
 - 3.) Benda/Rituximab/Acalabrutinib

M UN



55

Clinical Trials at UNC

- Relapsed:
 - A <u>Phase II Study</u> of Palbociclib in Combination With Ibrutinib in Patients With Previously Treated Mantle Cell Lymphoma
 - LOXO-BTK-18001: A Phase 1/2 Study of Oral LOXO-305 in Patients with Previously Treated CLL or NHL
 - LCCC1813-ATL: CD19 CAR-T for lymphoma (w/ "suicide gene" – antidote for toxicity).

I UNC



