





## **Our Presenter**

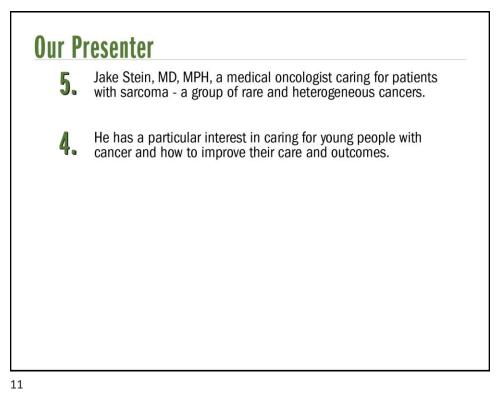


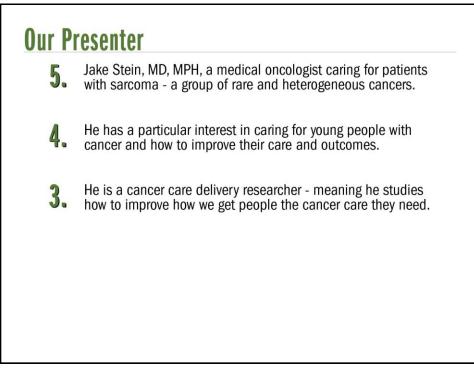
Jake Stein, MD, MPH

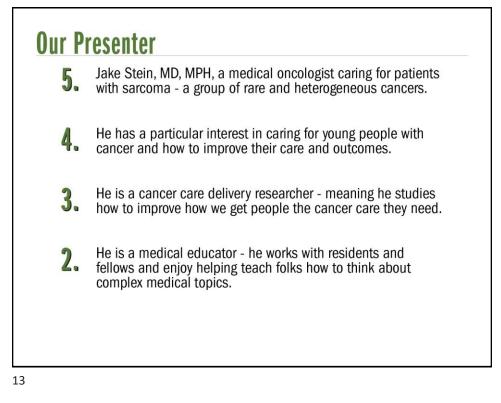
Jake Stein, MD, MPH is a medical oncologist with a clinical focus on caring for patients with sarcomas. These are rare and heterogeneous cancers that can affect patients of all ages, including adolescents and young adults. He has always strived to listen closely to his patients and address their concerns, while collaborating with colleagues across disciplines and bringing the highest-quality, most cutting-edge medical science to achieve the best possible outcomes for these patients. Equity is a core value for him and at a public institution like the University of North Carolina, it is our job and our privilege to provide the highest quality cancer care to all patients, regardless of their background or circumstances. My goal is to always be in partnership with my patients, navigating the complexities of a cancer journey together, side by side.

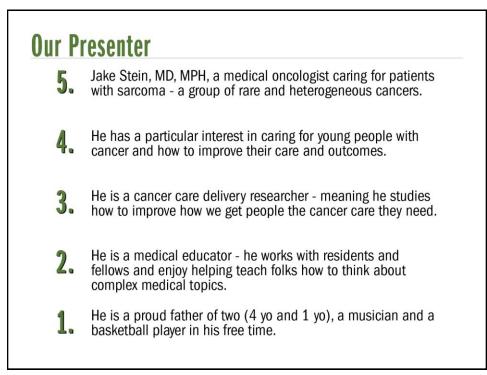
He is also a health services researcher, and his work focuses on how to optimize care delivery systems to improve the quality of cancer care for all patients, especially those who have been traditionally underserved. This involves understanding the gaps and barriers within our current delivery systems, followed by the development and testing of interventions to improve those systems. Some of his current projects involve evaluating how to improve the delivery of precision medicine for patients with advanced cancer, developing predictive models to determine what patients are at high risk for complications from cancer therapy and how to reduce that risk, and how to make sarcoma care for young people better aligned with their goals and needs.

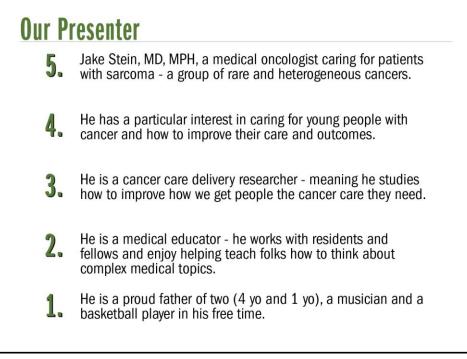


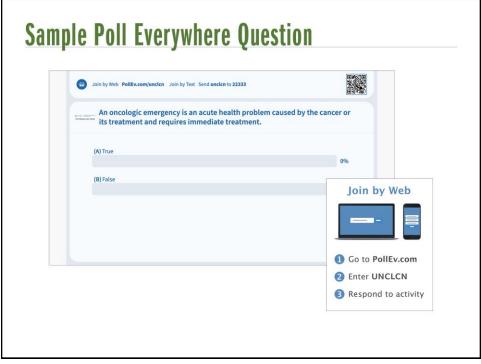


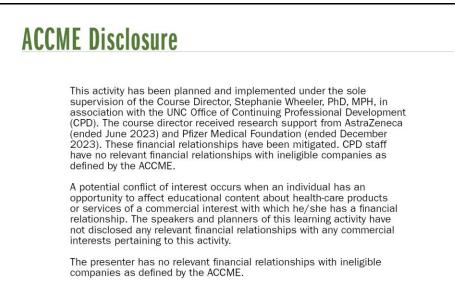




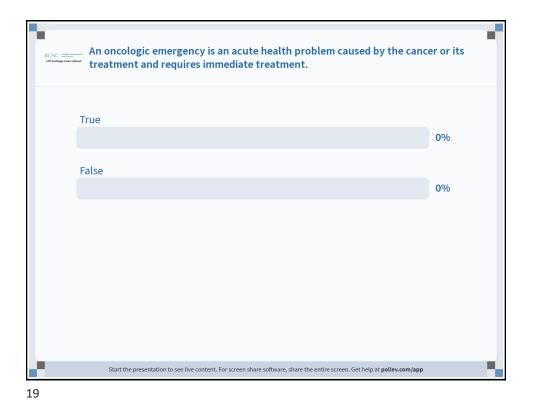


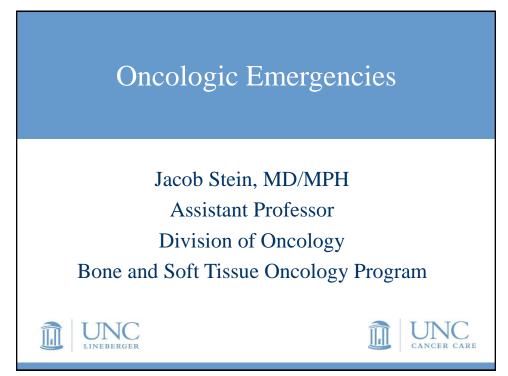




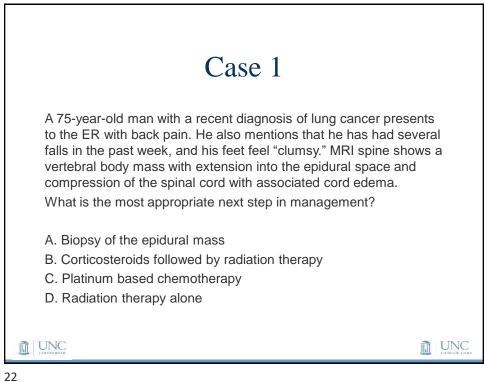


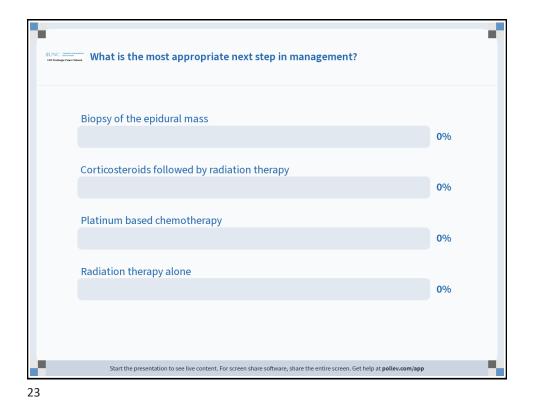
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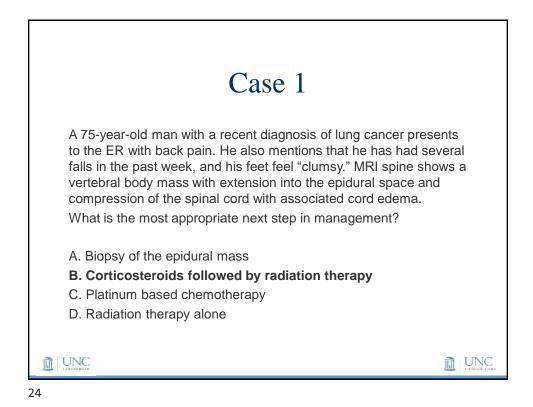


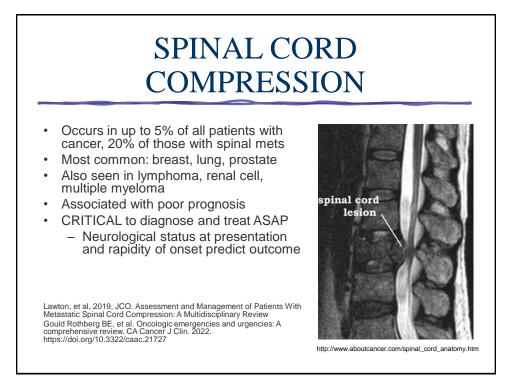


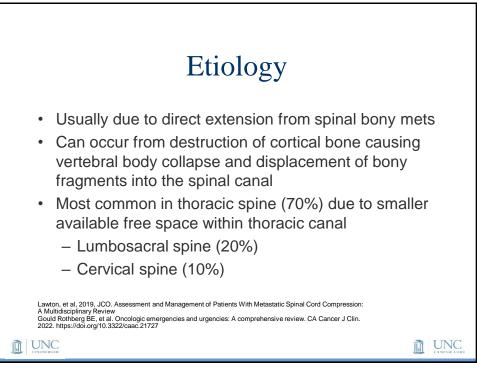


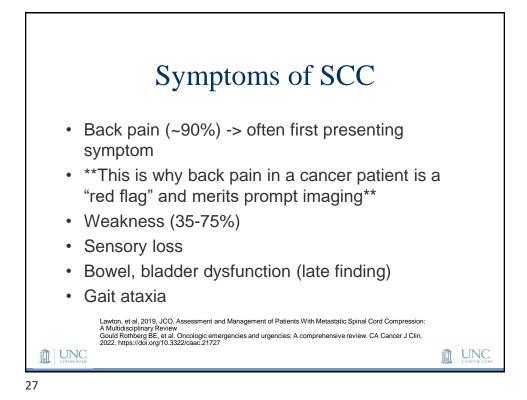


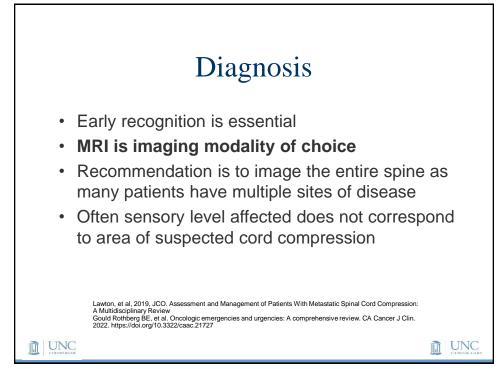




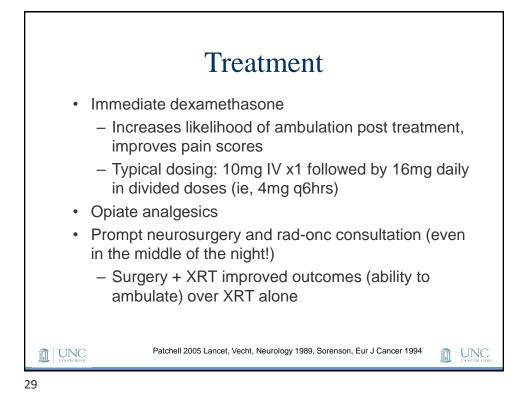


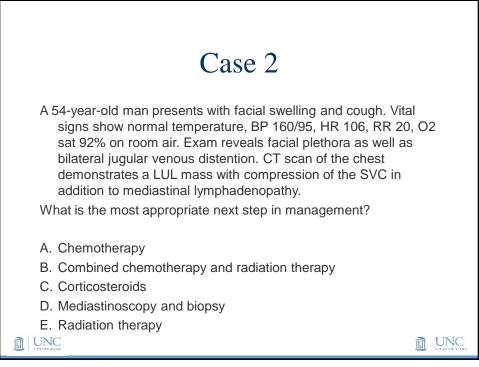


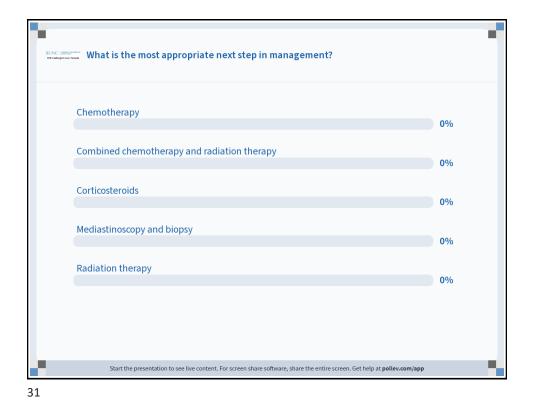


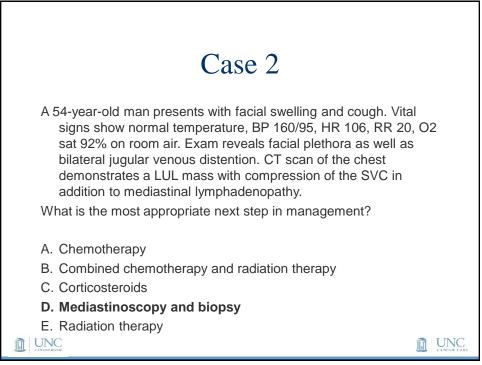


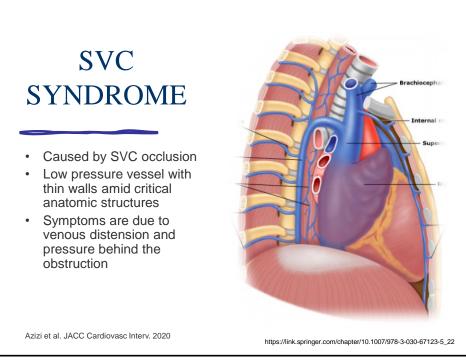


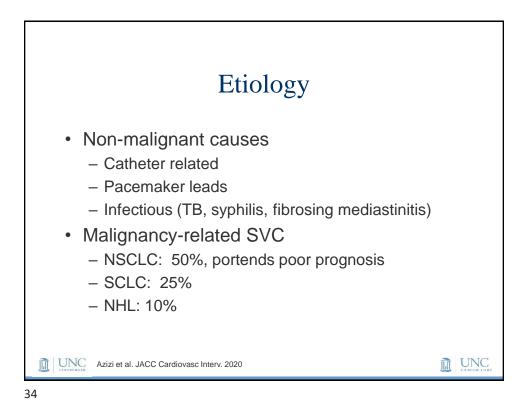


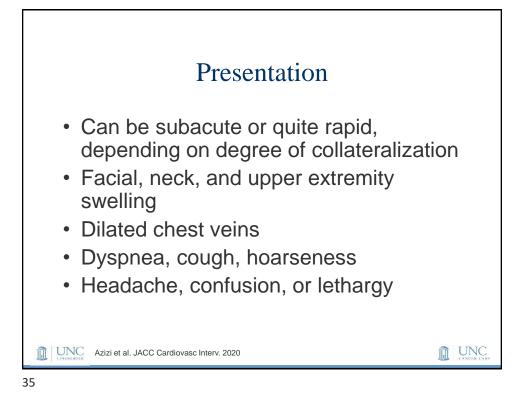






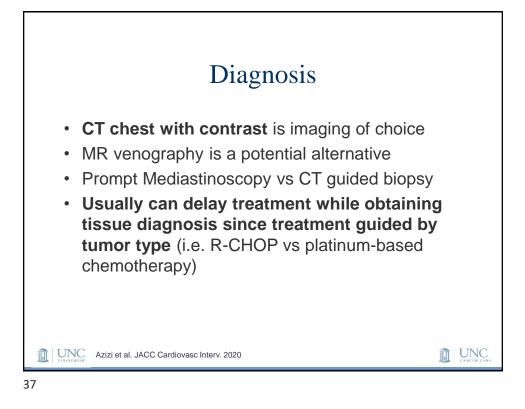


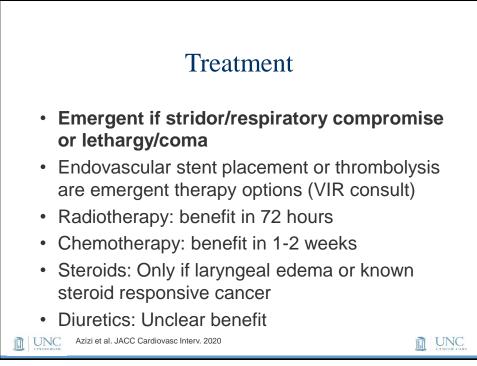


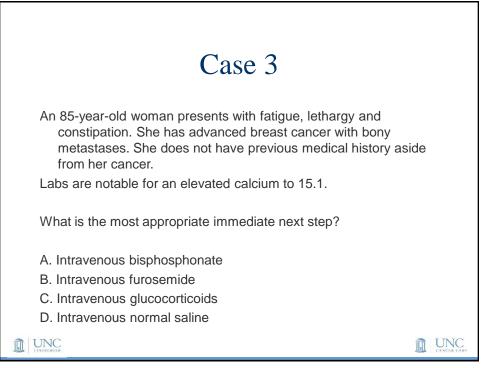


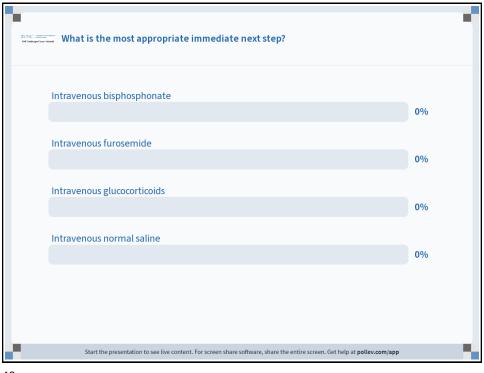


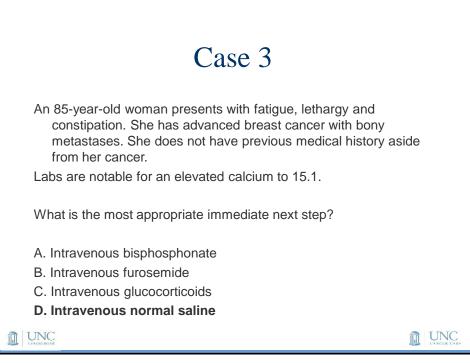


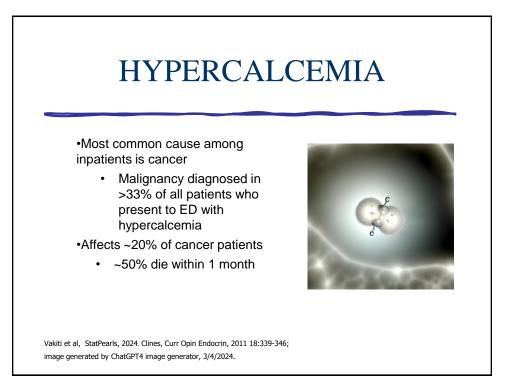


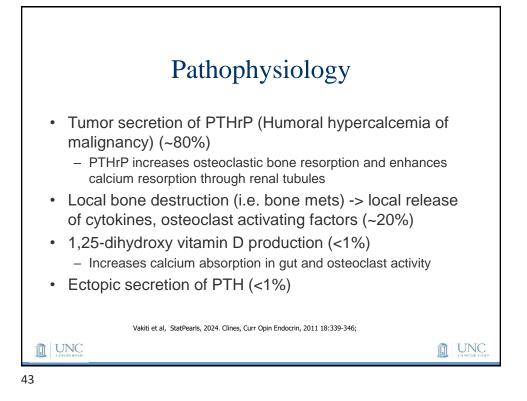








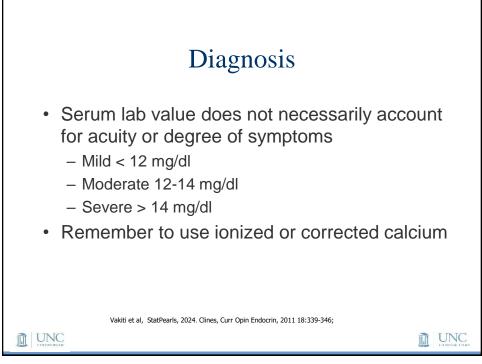


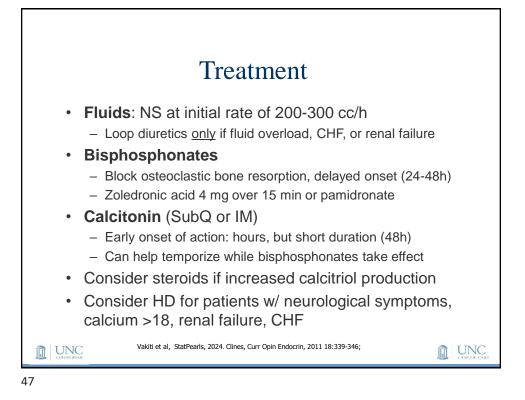


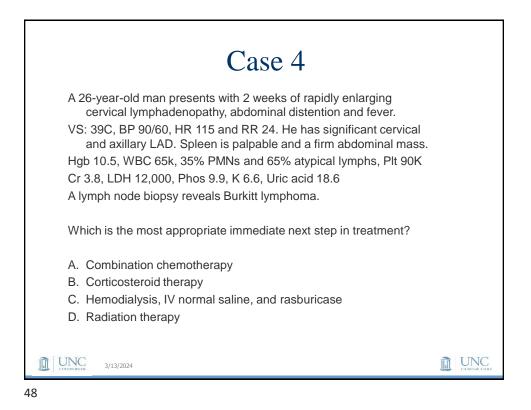
Oste	eolytic metastases:	
Breas	st cancer	
Multip	ple myeloma	
Lymp	bhoma	
Leuke	emia	
Hun	noral hypercalcemia (PTHrP):	
Squa	mous cell carcinomas	
Rena	I carcinomas	
Bladd	der carcinoma	
Breas	st cancer	
Ovari	ian carcinoma	
Non-I	Hodgkin lymphoma	
CML		
Leuke	emia	
Lymp	homa	
1,25	5-dihydroxyvitamin D:	
Lymp	ohoma (Non-Hodgkin, Hodgkin, lymphomatosis/granulomatosis)	
Ovari	ian dysgerminomas	
Ecto	opic PTH sectretion:	
Ovari	ian carcinoma	
Lung	carcinomas	
Neuro	oectodermal tumor	
Thyro	pid papillary carcinoma	
Rhab	domyosarcoma	
-	reatic cancer	

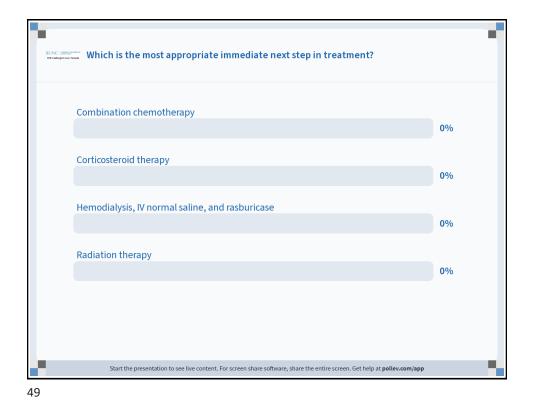


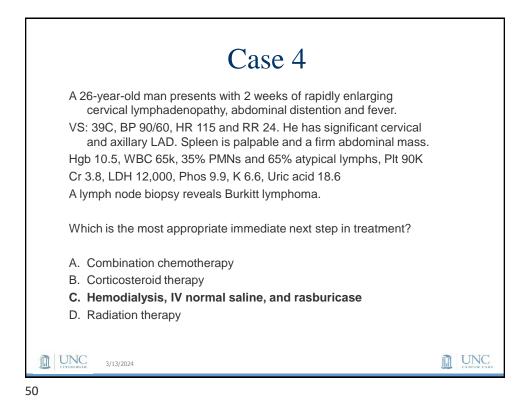


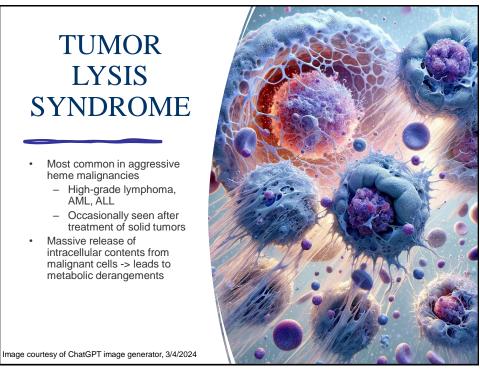




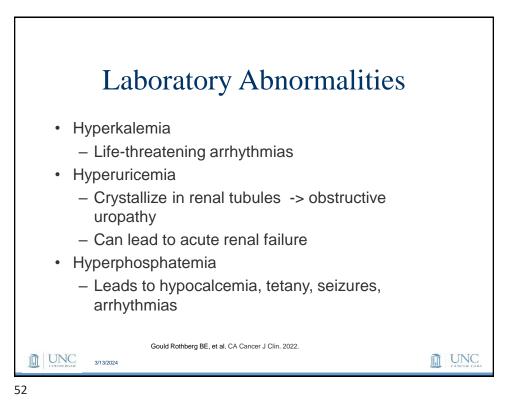


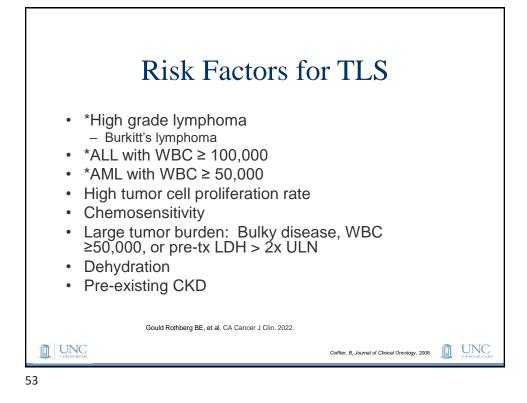












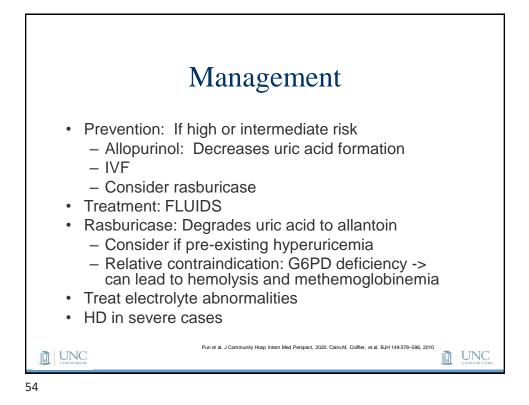
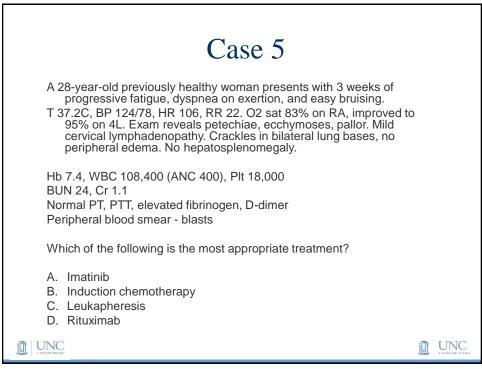
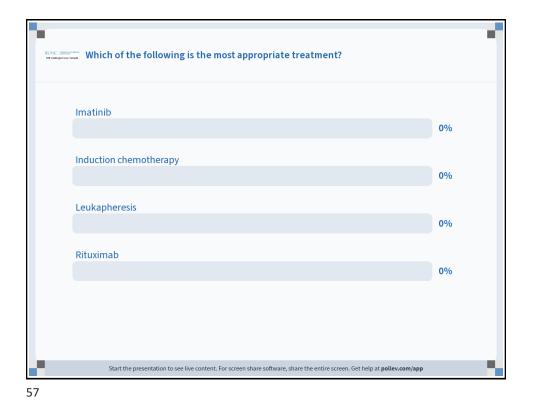
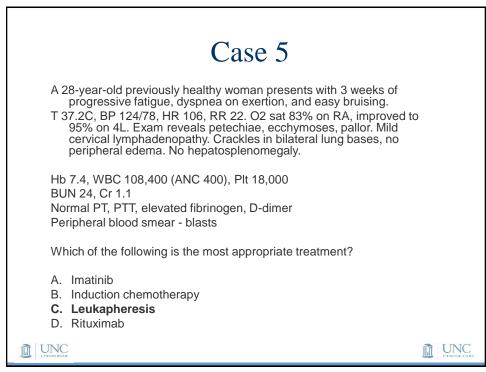
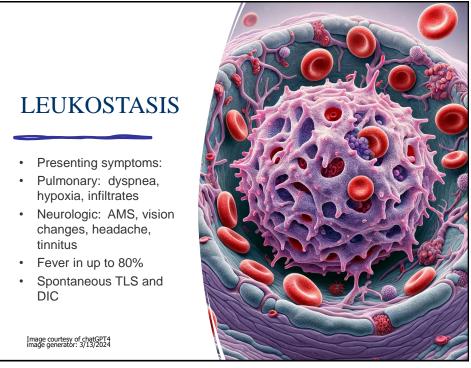


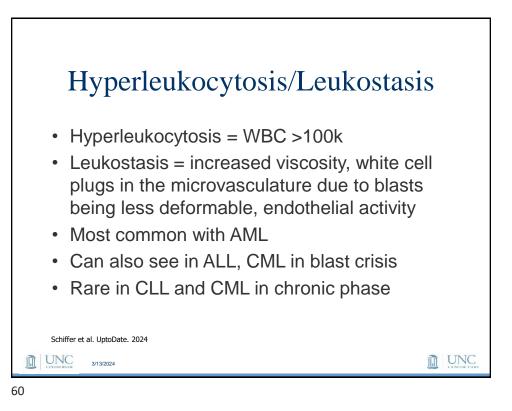
Fig 1. Purine	e catabolism pathway		
Purine	Catabolism ↓		
Hyp	oxanthine		
×	anthine Allopurinol		
Xanth	↓ ine Oxidase ↓ ↓ Allopurinol		
	ric Acid solubility)		
Urate Oxidase/ Rasburicase	•		
(hig	Allantoin hly soluble) ary excretion)		
Coiffier, B. et al. J Clir	Oncol; 26:2767-2778 2008		
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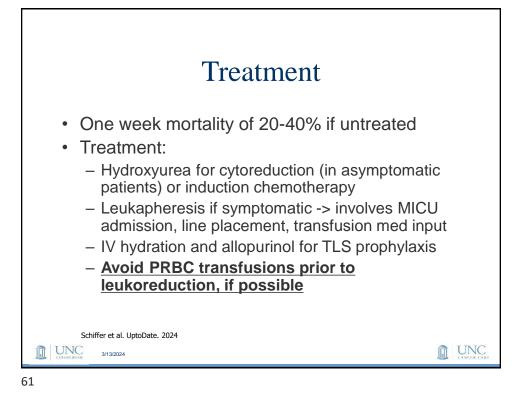


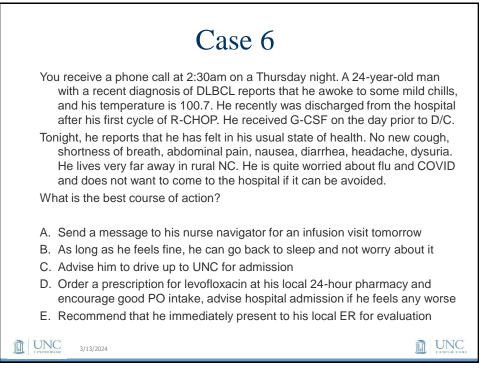


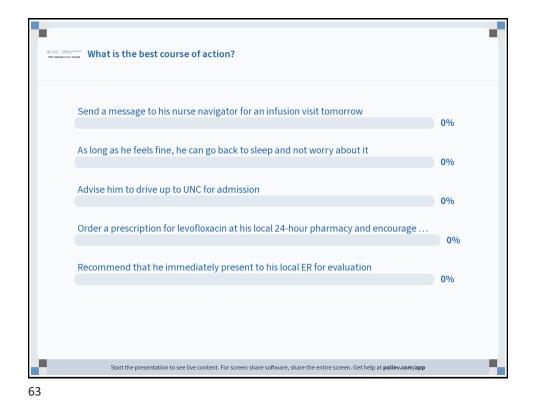


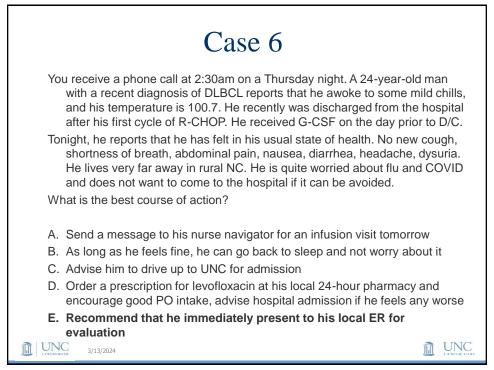




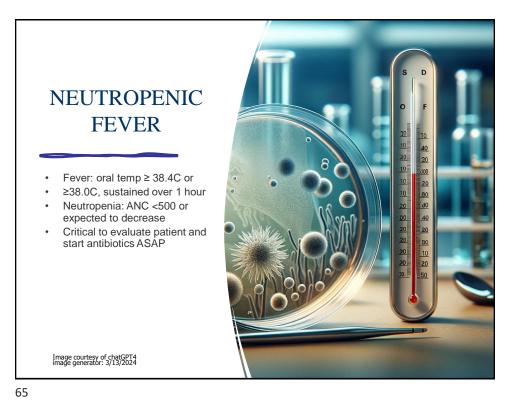


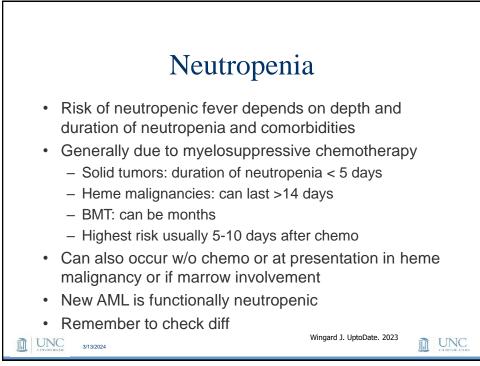


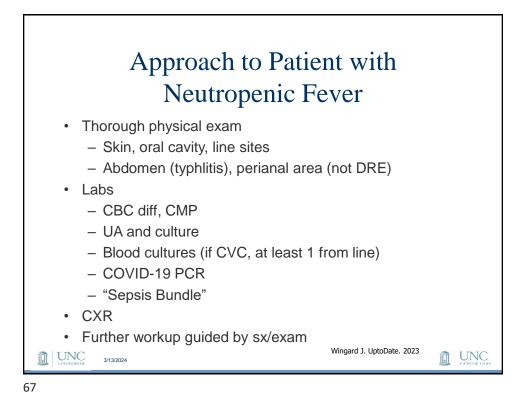


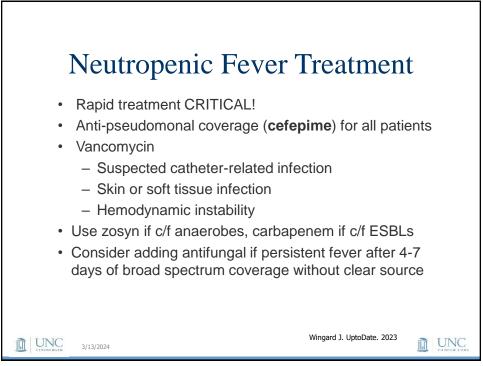


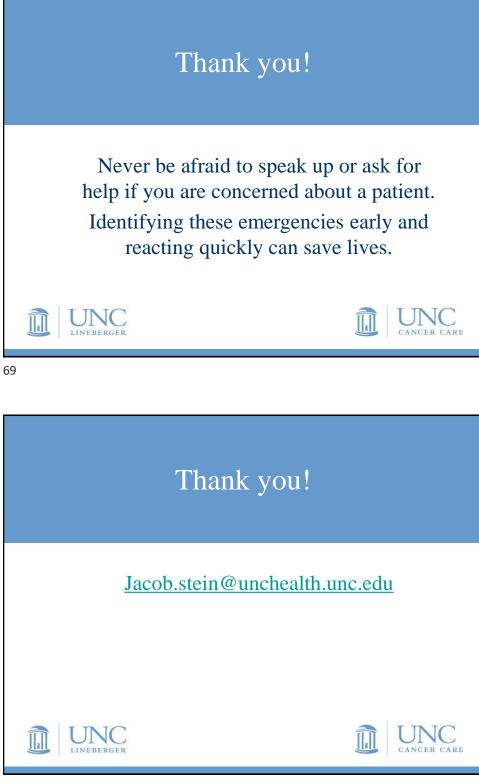


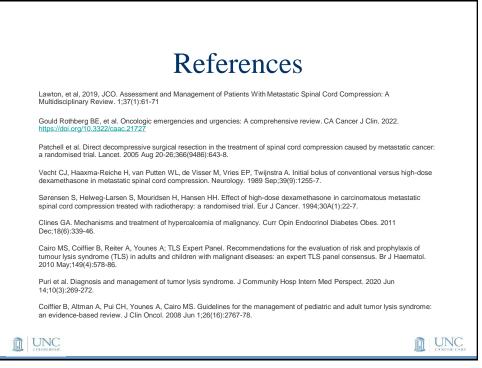
















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UNC Lineberge	r Cancer Network
The Telef	nealth Team
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Tim I	Poe – Director





