

## **Case Presentation**

- A 75 yo man presented with urinary symptoms. PSA 147. DRE nl.
- Prostate bx: Gleason 4+4=8, 6/12 cores positive.
- CT a/p unremarkable
- Bone scan shows 3 foci of uptake in vertebral spine

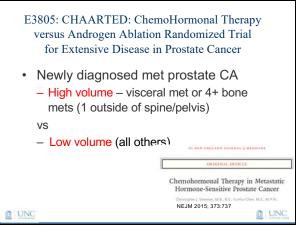
UNC

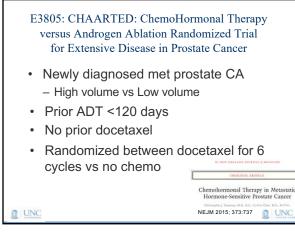
• Met volume category?

3

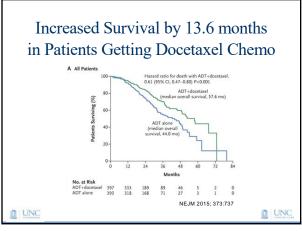
UNC

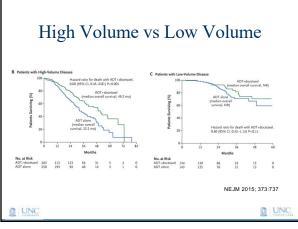
For Educational Use Only

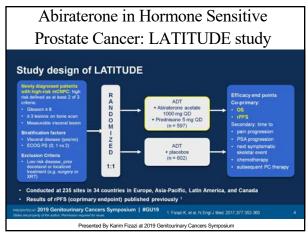




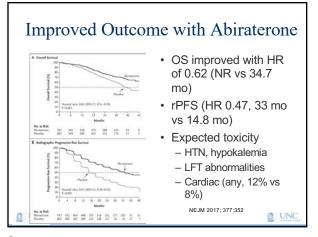
5

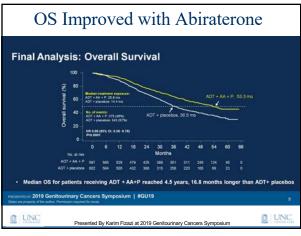






8



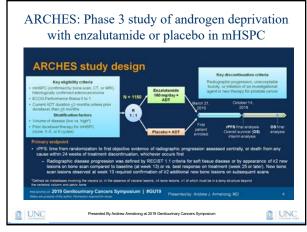


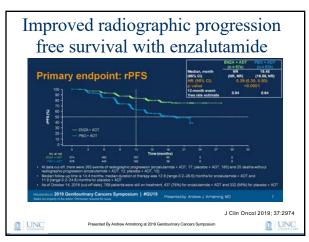


Adverse events of s	ADT	AA+P	ADT+ P	lacebos
Graded adverse events	Grade 3	Grade 4	Grade 3	
Hypertension	22%	<1%	10%	<1%
Hepatotoxicity	8%	1%	4%	0
ALT increased	5%	<1%	1%	, o
AST increased	4%	<1%	2%	, o
Hypokalemia	11%	1%	24	<1%
Cardiac Disorders	3%	1%	1%	0
Fluid retention/edema	1%	0	1%	۳, e
Osteoporosis including osteoporosis-related fractures	2%	0	2%	<1%
Cataract	1%	0	<1%	0

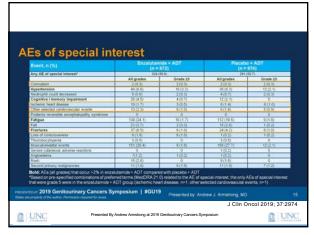
11



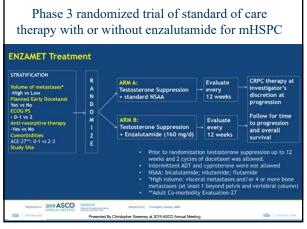




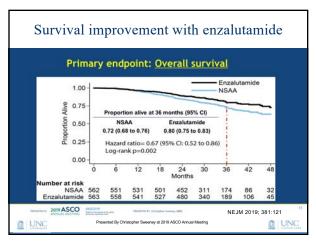




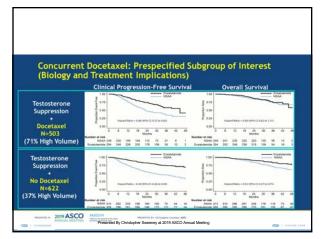
14



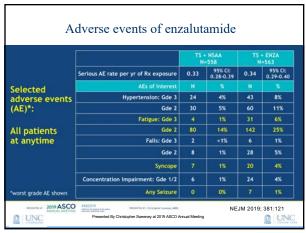
_				
_				



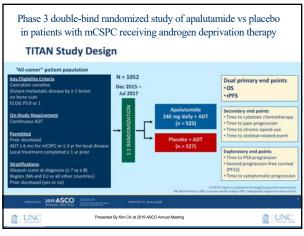




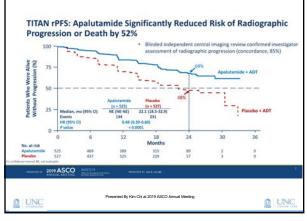
17



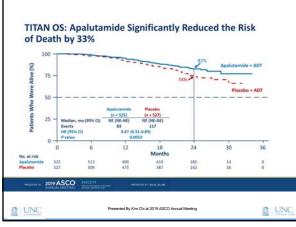


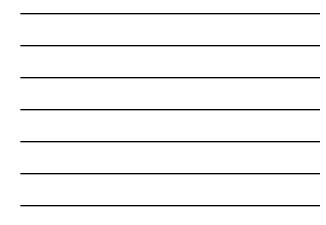




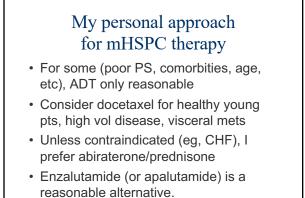


20



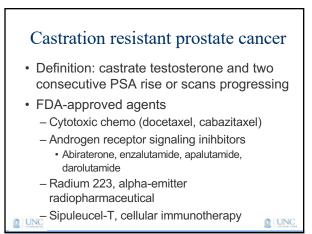


Summary of data for intensification of mHSPC therapy					
	Trial		Outcome		
	CHAARTED and STAMPEDE	Docetaxel	OS improvement (high volume disease)		
	LATITUDE and STAMPEDE	Abiraterone	OS improvement		
	ARCHES and ENZAMET	Enzalutamide	PFS/OS improvement		
	TITAN	Apalutamide	OS improvement		
	<ul> <li>Benefit vs Toxicity</li> <li>Cost</li> <li>Patient comorbidities and preferences</li> </ul>				

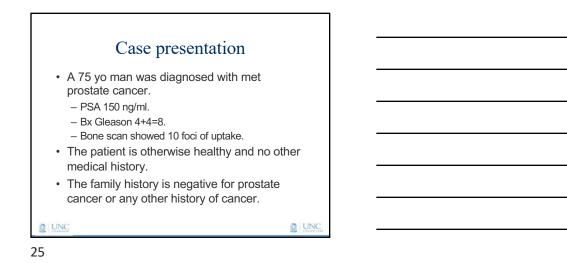


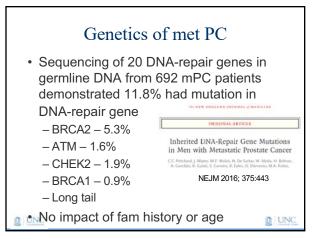
UNC

reasonable alternativ

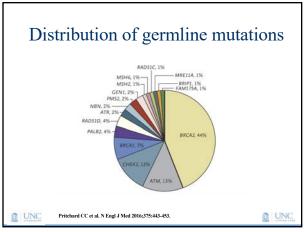








26



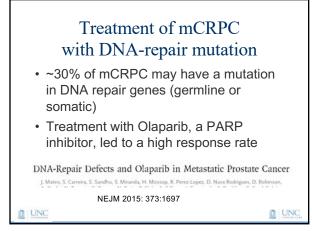


## Germline testing in prostate cancer

- NCCN recommends germline testing of all patients with metastatic prostate cancer
  - Also, if tumor sequencing positive.
- Genetic counselor should provide posttest counseling for those testing positive, for "cascade" testing of relatives

UNC

28



29

PROfound: Phase 3 study of olaparib vs enzalutamide or abiraterone for mCRPC with homologous recomb repair gene alterations

- 245 mCRPC patients with tumor mutation in BRCA2/1, ATM were randomized to olaparib vs physician choice (enza or abi)
- Olaparib led to improved rPFS (7.4 vs 3.6 mo), response rate (33.3 vs 2.3%), trend for OS (18.5 vs 15.1 mo)
   Annals of Oncology, 2019; 30: suppl\_5, LBA12\_PR

UNC

UNC



I UNC

