

Disclosures Dr. Kesler has no relevant financial relationships with ineligible companies to disclose. The views expressed in this presentation are those of the authors and do not necessarily reflect the position or policy of the Department of Veterans Affairs or the United States government. TOPA

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Objectives

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- Review recent clinical trials and its impact on treating patients with prostate cancer
- · Identify updates to the guidelines in the treatment of prostate cancer
- Discuss future horizons for the treatment of patients with prostate cancer

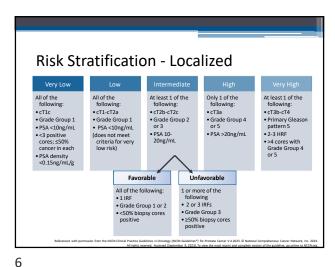


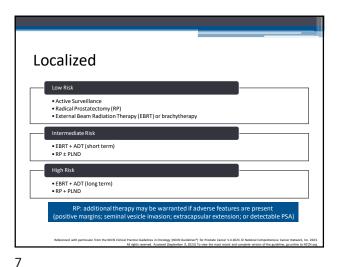
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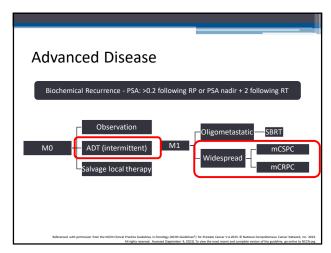
Prostate Cancer • 2nd most common cancer in **United States** Estimated 288.300 new cases in 2023 · 29% new male cancer cases · Approximately 34,700 deaths • Accounting for 14.7% of new cancer diagnoses Median age 67 years old 82% localized or regional disease • 5 year relative survival rate 97% Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence - SEER Research Data, Linked To County Attributes - Time Dependent (1990-2020) Income@harality, 1969-2020 Counties, National Cancer Institute, DCCPS, Surveillance

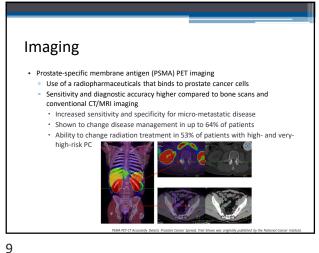
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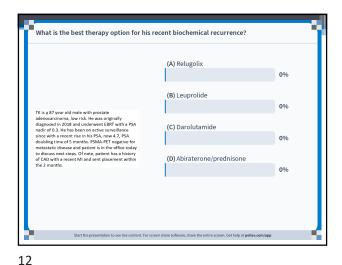
Determining Initial Therapy · Extent of disease Clinically localized: Any T, N0, M0 or Any T, NX, MX · Risk Stratification and Staging Symptomatic vs asymptomatic Regional: Any T, N1, M0 Metastatic: Any T, Any N, M1 · Estimation of life expectancy Key factor to determine primary treatment Minnesota Metropolitan Life Insurance Table Social Security Administration Life Insurance Table WHO's Life Tables by Country Memorial Sloan Kettering Male Life Expectancy Adjust based on healthiest vs unhealthiest quartile ± 50%

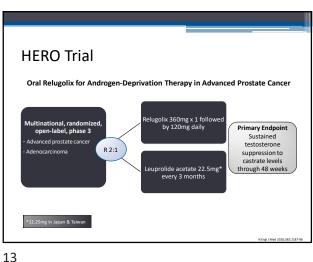


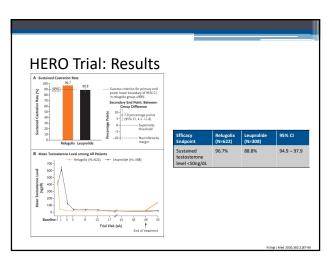


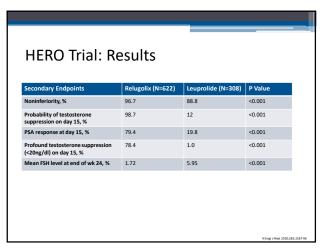






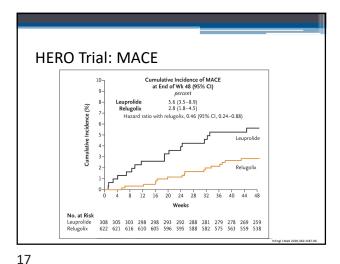






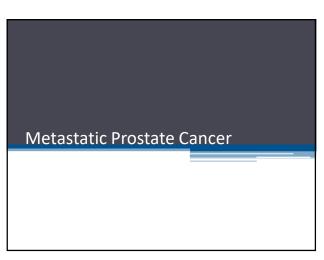
HERO Trial: Adverse Events Any Adverse event - no. (%) 578 (92.9) 288 (93.5) Serious adverse event - no. (%) 76 (12.2) 47 (15.5) 7 (1.1) 9 (2.9) Fatal adverse event – no. (%) 19 (6.2) 11/263 (4.2) 8/45 (17.8) MACE – no. (%)
- history of MACE – no./total no. (%)
+ history of MACE – no./total no. (%) 18 (2.9) 15/538 (2.8) 3/84 (3.6) Most common adverse events in both groups (>10%): hot flashes, fatigue, constipation, diarrhea, arthralgia, hypertension

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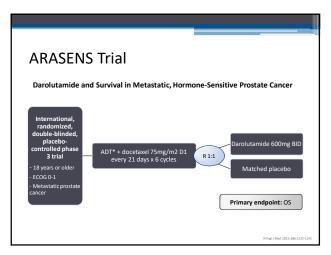
HERO Trial: Impact • December 2020: FDA approved the first oral GnRH receptor antagonist, relugolix, for adult patients with advanced prostate cancer Tumor flare, gynecomastia, hot flashes, erectile dysfunction, edema, injection site reaction, osteoporosis, increased CV 3.6mg SQ every 4 weeks 10.8mg SQ every 12 weeks 7.5mg IM/SQ every month 22.5mg IM/SQ every 3 months 30mg IM/SQ every 4 months 45mg IM/SQ every 6 months Leuprolide (Lupron®, Eligard®) 3.75mg IM every 4 weeks 11.25mg IM every 12 weeks 22.5mg IM every 24 weeks LHRH Antago 240mg SQ x 1 followed by 80mg every 28 days Injection site reactions, hot flashes, increased LFTs Degarelix Relugolix 360mg PO x 1 followed by 120mg daily

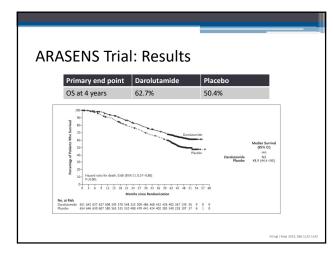
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Which of the following is the most appropriate treatment option? Docetaxel Docetaxel + Darolutamide RM is a 67 year old male with complaints of progressive swelling in his right groin area and worsening lumbar back pain who was referred to oncology after CT suspicious for metastatic cancer. PSA >2000; Adenocarcinoma of the prostate confirmed by biopsy (Giesaon 544-9), GGS) and RM is in the office today to discuss next steps. Degarelix + Darolutamide Degarelix + Docetaxel + Darolutamide Start the presentation to see live content. For screen share software, share the entire screen. Get help at polley.com/app

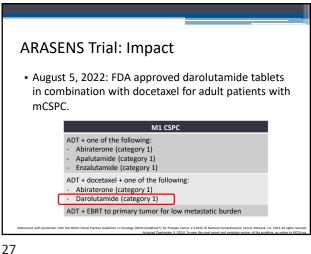
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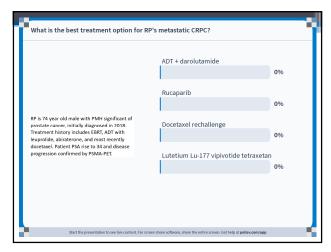


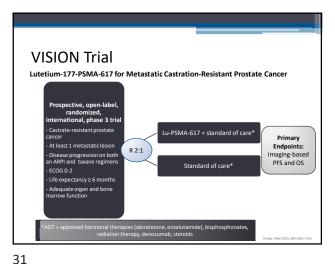


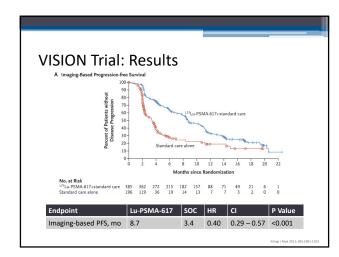
ARAS	ENS Trial: Results			
	A Treat Control February Treat Control	Darolutamide Placebo	Median Time to Castration-Resistant Protesta Cascor (89% C) NC 19.1 (16.5-21.8)	
		Darolutamide Placebo	Medias Time to Pain Progression (89% CI) NE (20.3–41) 27.5 (22.6–36.1)	

Secondary end point	Darolutamide	Placebo	P Value
Symptomatic skeletal event free survival	51.2	39.7	<0.001
Time to first SRE	NR	NR	0.02
Time to subsequent systemic therapy initiation	NR	25.3	<0.001
Time to worsening disease related symptoms	19.3	19.4	0.59
Time to opioid use for use for 7 consecutive days	NR	NR	NA

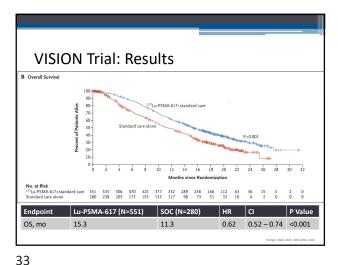




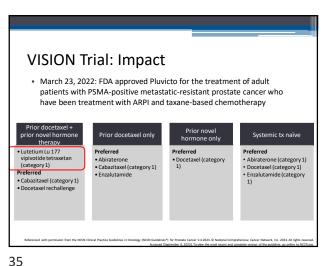




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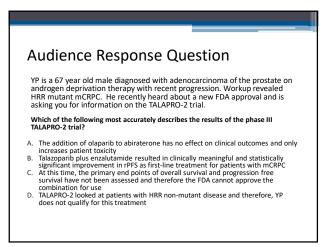


VISION Trial: Results Secondary Endpoint Time to first symptomatic skeletal event, mo 11.5 6.8 Complete response, no. (%) 17 (9.2) 0 Partial response, no. (%) 77 (41.8) 2 (3.1) Stable disease, no. (%) 65 (35.3) 30 (46.9) soc Fatigue, no (%) 260 (49.1) 60 (29.3) Bone marrow suppression, no (%) 251 (47.4) 36 (17.6) Dry mouth, no (%) 208 (39.3) 2 (1.0) Nausea ± vomiting, no (%) 208 (39.3) 35 (17.1) Hypersensitivity, no (%) 55 (10.4) 7 (3.4) Hepatotoxicity, no (%) 54 (10.2) 16 (7.8)



Biomarker Testing Somatic mutations Most common: BRCA2 and ATM Localized: 19% Advanced/Metastatic: 23% Associated with germline mutations · Germline mutations Most common: BRCA2, CHECK2, ATM Localized: 8.9% Advanced/Metastatic: 16.2% · Testing recommendations Strong family or personal history Based on risk groups

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Which of the following most accurately describes the results of the phase III TALAPRO-2 trial?

The addition of olaparib to abiraterone has no effect on clinical outcomes and only increases patient toxicity

0%

Talazoparib plus enzalutamide resulted in clinically meaningful and statistically significant improvement in rPFS as first-line treatment for patients with mCRPC

0%

At this time, the primary end points of overall survival and progression free survival have not been assessed and therefore the FDA cannot approve the combination for use

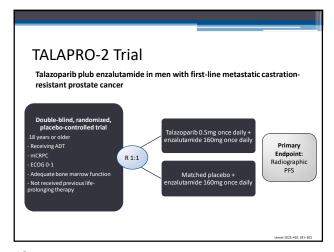
0%

TALAPRO-2 looked at patients with HRR non-mutant disease and therefore, YP does not qualify for this treatment

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TALAPRO-2 Trial: Results

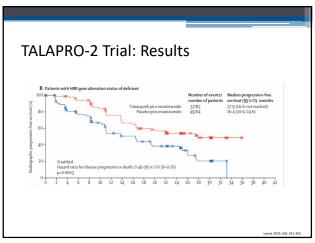
A All patients

Talasoparith plus entablutamide 151/403

Talasoparith plus entablutamide 191/403

Talaso

40 41



42

TALAPRO-2 Trial: Impact

June 20, 2023: FDA approved talazoparib with enzalutamide for homologous recombination repair (HRR) gene-mutated metastatic castration-resistant prostate cancer.

No prior docetaxel/No prior novel hormonal therapy/No prior docetaxel (No prior docetaxel/No prior novel hormonal therapy)

Useful in certain circumstances

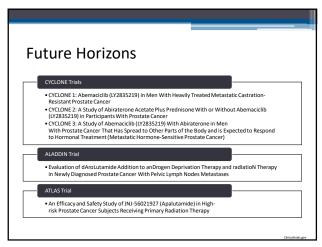
Niraparib/abiraterone for BRCA mutation (category 1)

Olaparib/abiraterone for BRCA mutation (category 1)

Radium-223 for sx bone metastases (category 1)

Talazoparib/enzalutamide for HRRm (category 1)

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References

surveillance, Epidemiology, and End Besuchs (SEE) Program (www.ser.camcer.gov) SEER*Sast Database: Indiducer. *SEER Besearch Data, 8
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