Urologische Tumoren

Frans Erdkamp Zuyderland





Disclosure

•	ASCO 2017 travelgrant Pfizer Steering committee Pfizer	





Onderwerpen

- Niercelcarcinoom
- Urotheelcelcarcinoom
- Prostaatcarcinoom





Niercelcarcinoom

- Adjuvant studies
- Risk score
- Immuno studie: Imotion 150





Reported TKI Adjuvant Trials

Trial	Drug	DFS Benefit	OS Benefit	Patient Population
ASSURE	Sunitinib Sorafenib Placebo	No No	No No	Non clear cell included T2Gr3/4+ Starting dose lower
S-TRAC	Sunitinib Placebo	Yes (1.2 yrs) (HR 0.75)	No (immature, unpowered)	Clear cell T3+ Standard dose
PROTECT	Pazopanib Placebo	No	No	Clear cell T2Gr3/4+ Starting dose lower

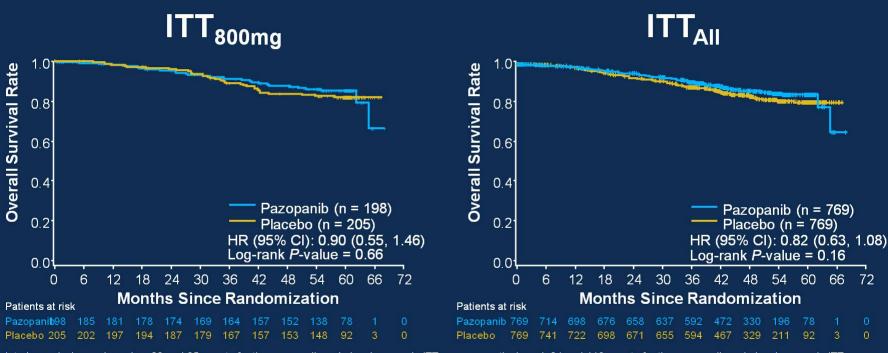
PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.





PROTECT OS in ITT_{800mg} and ITT_{All}



Interim analysis was based on 29 and 35 events for the pazopanib and placebo arms in ITT_{800mg}, respectively and 94 and 118 events for the pazopanib and placebo arms in ITT_{All}, respectively. The analysis was performed on data cut-off, which occurred on October 15, 2016 as part of the DFS follow up.

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse

Presented by: Robert Motzer, MD





Awaited Adjuvant Trials in Targeted Therapy Era

Trial	Drug	RCC Histology	T stage
ATLAS	Axitinib vs placebo	>50% clear cell	T2+ or N+
SORCE	Sorafenib (1 vs 3 yr vs placebo)	Clear/non-clear	Leibovich 3-11
EVEREST	Everolimus vs placebo	Clear/non-clear	T1b-4 or N+

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.







PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

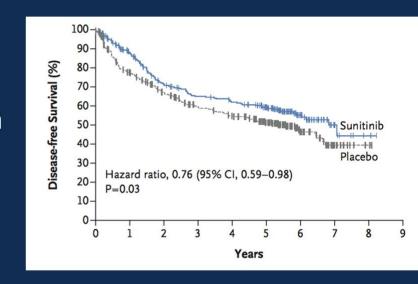
Slides are the property of the author. Permission required for reuse.





Recurrence scores helpful only if there is adjuvant therapy

- ASSURE and PROTECT data negative
- S-TRAC data positive for DFS and immature OS
 - Identify high risk group that benefits from adjuvant sunitinib?
 - Are recurrence scores better than S-TRAC selection criteria
 - · Clear cell, stage III



Ravaud et al NEJM 2016

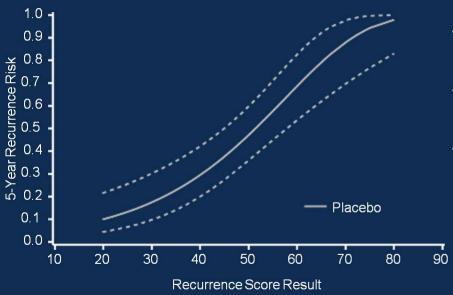
PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.





Primary Objective: Prognostic Value Association of RS with TTR in placebo arm



Study arm	HR (95% CI) per 25-unit increase in RS	P Value
Placebo (n=90)	4.24 (2.31–7.80)	<0.0001

 RS strongly predicted risk of recurrence in the placebo arm

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17 Slides are the property of the author. Permission required for reuse.

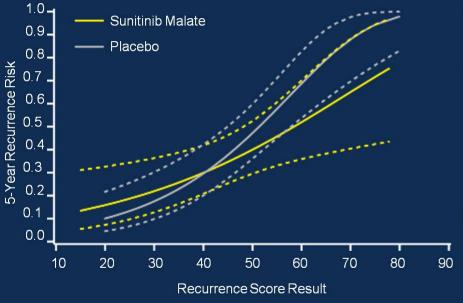
Presented by: Daniel Y C Heng





20

Primary Objective: Predictive Value Association of RS with TTR in placebo vs sunitinib



Study arm	HR (95% CI) per 25-unit increase in RS	P Value
Placebo (n=90)	4.24 (2.31–7.80)	<0.0001
Sunitinib (n=103)	2.53 (1.29–4.97)	0.008

- Interaction of RS with treatment did not reach significance, P=0.19
 - Small number of recurrences (n=63)
 provided low power for an interaction test

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17







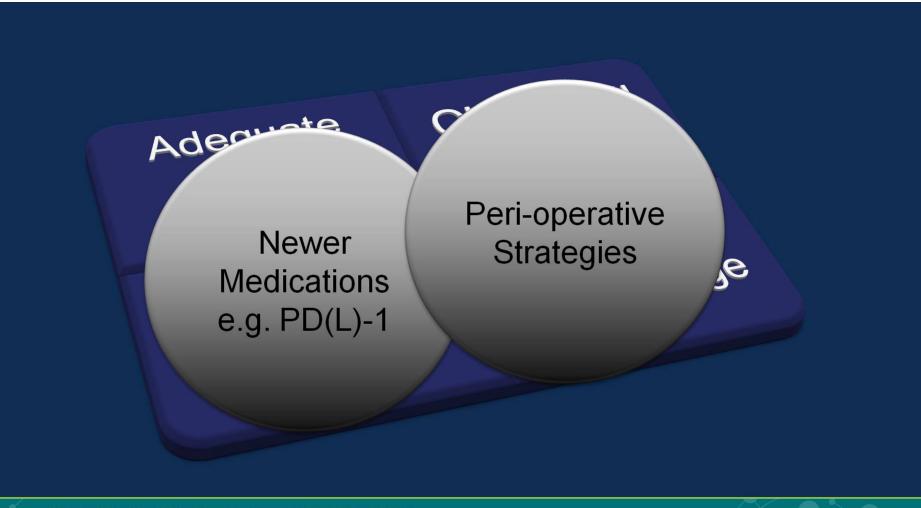
16 Gene Recurrence Score (RS)

- RS is prognostic for recurrence
- Should be investigated prospectively (PD1 trials) and retrospectively (VEGF/mTOR trials) to look for predictive ability
 - May require a meta-analysis to attain adequate power

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17 Slides are the property of the author. Permission required for reuse







PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.





Selected Adjuvant Immunoncology Trials

ECOG PROSPER

Perioperative Nivolumab

VS

Best supportive care

ImMOTION 010

Atezolizumab

VS

Placebo

KEYNOTE 564

Pembrolizumab

VS Placebo

Others will be activating soon

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.





Conclusions

- Adjuvant pazopanib should not be used
- The 16 gene recurrence score is now externally validated
 - Should not be used for now to determine if will benefit from adjuvant sunitinib (not predictive)
- Optimal adjuvant patient still controversial
 - We have hints based on subgroup analyses and trial inclusion criteria only
 - Clear cell, better dose, higher stage, higher RS
- Patient participation and tissue collection critical in advancing predictive biomarkers for adjuvant therapy

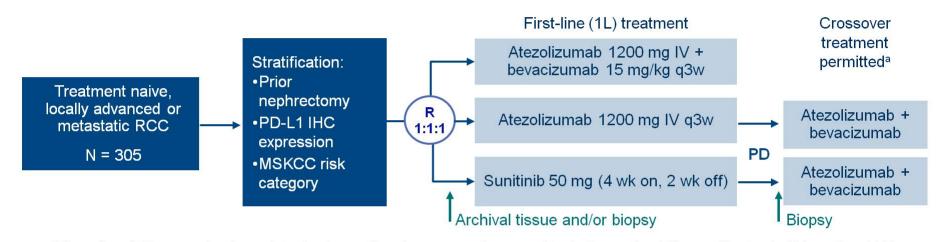
PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.





IMmotion150 (Phase II) Trial Design



- IMmotion150 was designed to be hypothesis generating and to inform the Phase III study IMmotion151
- The coprimary endpoints are PFS (RECIST v1.1 by IRF) in ITT and PD-L1+ patients
 - PD-L1 positivity is defined as ≥ 1% of tumor-infiltrating immune cells (IC) expressing PD-L1
- Secondary endpoints include INV-assessed PFS, ORR and analysis of efficacy after crossover (ORR, PFS)

INV, investigator; IRF, independent review facility; PD, progressive disease; RCC, renal cell carcinoma. ^aCrossover from atezolizumab monotherapy not allowed in Europe.

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.

Presented by: Dr Michael Atkins, Atezolizumab in RCC, IMmotion150 Crossover. http://tago.ca/W5A.

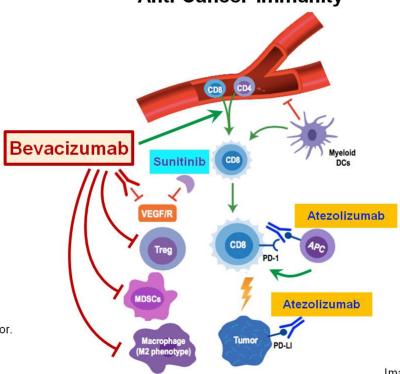
4





Shifting the Balance Toward Anti-Cancer Immunity With Combined VEGF/PD-L1 Blockade

Anti-Cancer Immunity



PD-L1, programmed death-ligand 1; VEGF, vascular endothelial growth factor.

- 1. Finke, Clin Cancer Res. 2008;
- 2. McDermott, J Clin Oncol. 2016;
- 3. Wallin, Nat Commun. 2016.

Image courtesy of and adapted from Einstein and McDermott.

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO1'
Slides are the property of the author. Permission required for reuse.

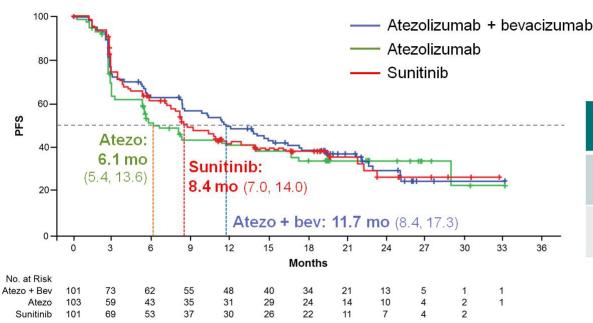
Presented by: Dr Michael Atkins, Atezolizumab in RCC, IMmotion150 Crossover. http://tago.ca/W5A.







1L Progression-Free Survival ITT



	Stratified HR (95% CI)	<i>P</i> Value ^a
Atezo + bev vs sunitinib	1.00 (0.69, 1.45)	0.982
Atezo vs sunitinib	1.19 (0.82, 1.71)	0.358

Atezo, atezolizumab; bev, bevacizumab.

PFS measured by independent review facility.

Clinical cutoff, Oct 17, 2016. Median duration of follow-up, 20.7 mo. McDermott, ASCO GU 2017.

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17 Slides are the property of the author. Permission required for reuse.

Presented by: Dr Michael Atkins, Atezolizumab in RCC, IMmotion 150 Crossover, http://tago.ca/W5A.

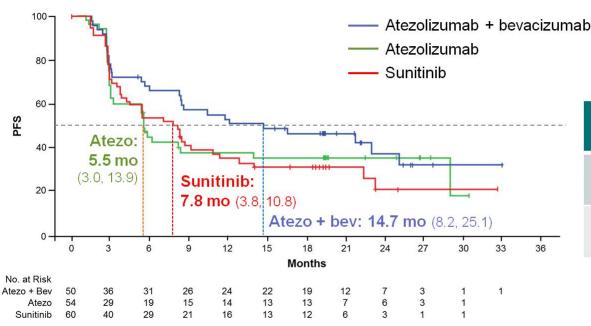




^a P values are for descriptive purposes only and not adjusted for multiple comparisons.

1L Progression-Free Survival

≥ 1% of IC Expressing PD-L1



	Stratified HR (95% CI)	<i>P</i> Value ^a
Atezo + bev vs sunitinib	0.64 (0.38, 1.08)	0.095
Atezo vs sunitinib	1.03 (0.63, 1.67)	0.917

Atezo, atezolizumab; bev, bevacizumab.

PFS measured by independent review facility.

Clinical cutoff, Oct 17, 2016. Median duration of follow-up, 20.7 mo. McDermott, ASCO GU 2017.

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.

Presented by: Dr Michael Atkins, Atezolizumab in RCC, IMmotion150 Crossover. http://tago.ca/W5A.

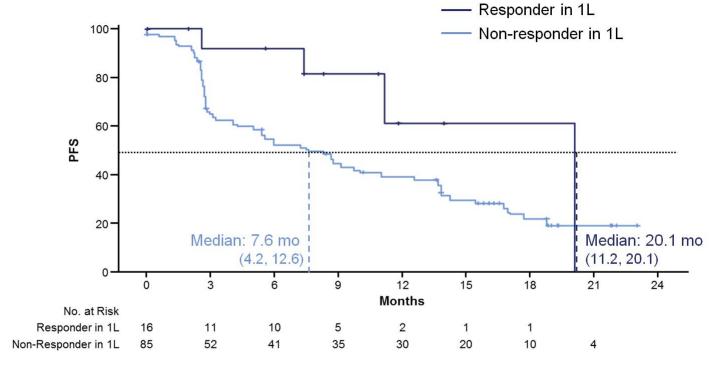






^a P values are for descriptive purposes only and not adjusted for multiple comparisons.

Crossover Progression-Free Survival by 1L Response Status



PFS measured by investigator.

Clinical cutoff date, Oct 17, 2016. Median duration of follow-up: All crossover, 12.7 mo.

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.

Presented by: Dr Michael Atkins, Atezolizumab in RCC, IMmotion150 Crossover. http://tago.ca/W5A





Conclusions

- Atezolizumab + bevacizumab resulted in encouraging efficacy vs sunitinib in PD-L1+ 1L mRCC patients
- Clinical activity of atezolizumab + bevacizumab was also seen in crossover patients regardless of prior
 1L atezolizumab or sunitinib therapy and response, further supporting combination treatment
 - ORR: 26% in all crossover patients (28% in crossover post sunitinib; 24% in crossover post atezolizumab)
 - Median PFS: 8.8 mo in all crossover patients
 - In an exploratory analysis, tumor PD-L1 status modestly enriched for crossover therapy response
- Safety profile of the crossover arms was consistent with the safety profiles of individual treatment components and the 1L atezolizumab + bevacizumab arm

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.

Presented by: Dr Michael Atkins, Atezolizumab in RCC, IMmotion150 Crossover. http://tago.ca/W5A.





Urotheelcelcacinoom

- Relatief weinig echt nieuws
- Immuun studies





Metastatic urothelial carcinoma

- Development of immune checkpoint blockade in urothelial carcinoma has led to significant progress and new treatment options
- Transformed the treatment of previously-treated and cisplatin-ineligible urothelial carcinoma
- 5 agents approved in US
 - Atezolizumab, nivolumab, durvalumab, avelumab, and pembrolizumab
- Despite these dramatic advances, outcomes are still suboptimal for most patients
 - Objective response rates remain between 14.8-21.1% in 2nd-line setting and the median survival remains < 1 year

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.

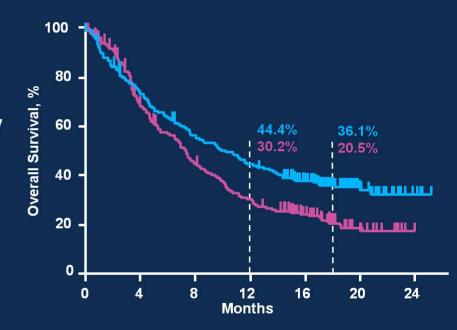
Presented by:





Abstract 4501: Survival analysis from phase 3, open-label study of pembrolizumab versus chemotherapy in advanced UC

- Longer follow up confirms the initial data
- Objective responses occurred rapidly and were generally durable, with duration of response not yet reached
- Safety and tolerability favor pembrolizumab over 2nd and 3rd line chemotherapy



PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17 Slides are the property of the author. Permission required for reuse.

Presented by: Jonathan Rosenberg, MD





KEYNOTE-052 (NCT02335424): First-Line Pembrolizumab for Cisplatin-Ineligible Advanced Urothelial Cancer

Patients

- Advanced urothelial cancer
- No prior chemotherapy for metastatic disease
- ECOG PS 0-2
- Ineligible for cisplatin:
 - CrCl <60 mL/min
 - ECOG PS 2
 - Grade ≥2 neuropathy or hearing loss
 - NYHA class III heart failure

Pembrolizumab 200 mg Q3W N = 370

Pretreatment sample collection for biomarker analyses

- Primary end points: ORR
- Secondary end points: DOR, PFS, OS, safety;
 identification of cut point for high PD-L1 expression
- Exploratory objective: Relationship between candidate biomarkers and response
- Data cutoff date: March 9, 2017
 - Median follow-up: 9.5 months (range, 0.1-23 months)

Continue until

- 24 months of treatment
- Confirmed PD
- Intolerable toxicity
- Patient withdrawal





Confirmed Objective Response Rate: Validation Set

	CPS <10% n = 185		CPS≥10% n = 80			
	n	%	95% CI	n	%	95% CI
Objective response rate	42	23	17-29	41	51	40-63
Complete response	5	3	1-6	14	18	10-28
Partial response	37	20	15-27	27	34	24-45
Stable disease	35	19	14-25	15	19	11-29
Progressive disease	86	47	37-54	19	24	15-35

Data cutoff: March 9, 2017.

Assessed per RECIST v1.1 by central imaging vendor review. 361/370 patients had CPS and ORR data. For CPS <10%, 17 additional patients had no postbaseline tumor assessment because of death, withdrawal of consent, loss to follow-up, or start of new anticancer therapy, and 5 patients had ≥1 postbaseline tumor assessment, none of which were evaluable. For CPS ≥10%, 5 additional patients did not have a postbaseline imaging assessment.





Advanced Bladder Cancer Treatment Algorithm: June 2017

Disease state	Context	Level 1 evidence	Standard Options
Metastatic no prior chemotherapy	Cisplatin-eligible	Cisplatin-based combination chemotherapy	
Metastatic no prior chemotherapy	Cisplatin-ineligible		Atezolizumab Pembrolizumab Gemcitabine-carboplatin Single agent chemotherapy
Metastatic, prior platinum chemotherapy or relapse within 1 year of perioperative cisplatin		Pembrolizumab	Atezolizumab Nivolumab Durvalumab Avelumab
Metastatic, prior immunotherapy			Taxane chemotherapy Vinflunine (EU)

Clinical trial enrollment appropriate throughout disease spectrum

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.

Presented by: Jonathan Rosenberg, MD





Prostaatcarcinoom

- Fase 2 studie Enza vs Abi laat geen verschil zien
- Doorgaan met Enza bij start Abi bij progressieve ziekte heeft geen toegevoegde waarde: PLATO studie
 - Echter wat als Radium of docetaxel toevoegen?
- Duur ADT bij hoog risico patienten
- Risk score
- Stampede en Lattidu studies





Duration of Androgen Deprivation Therapy in High Risk Prostate Cancer: Final Results of a Randomized Phase III Trial

Abdenour Nabid^{1*}, Marie-Pierre Garant¹, André-Guy Martin², Jean-Paul Bahary³, Céline Lemaire⁴, Sylvie Vass⁵, Boris Bahoric⁶, Robert Archambault⁷, François Vincent⁸, Redouane Bettahar⁹, Nathalie Carrier¹, Marie Duclos¹⁰, Luis Souhami¹⁰

¹Centre Hospitalier Universitaire de Sherbrooke, CA, ²Centre Hospitalier Universitaire de Québec, CA ³Centre Hospitalier Universitaire de Montréal, CA, ⁴Hôpital Maisonneuve-Rosemont de Montréal, CA, ⁵Centre de Santé et Services Sociaux de Chicoutimi, CA, ⁶Hôpital Général Juif de Montréal, CA ⁷Hôpital de Gatineau, CA, ⁸Centre Hospitalier Régional de Trois-Rivières, CA ⁹Centre Hospitalier Régional de Rimouski, CA, ¹⁰Centre Universitaire de Santé McGill, CA

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.

Abstract ID 5008 (186877)





Inclusion Criteria

T3-T4, PSA >20 ng/ml, Gleason score >7
Age ≤80 years, Zubrod 0-1
Normal hepatic function
No regional disease
No distant metastases

Exclusion Criteria

Pre-existing medical conditions precluding use of androgen deprivation therapy (ADT) or radiotherapy (RT)

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.

Presented by: A. Nabid





Randomization 10/2000 to 01/2008

630 Arm 1 (310) : ADT* 36 months + RT**

Patients Arm 2 (320): ADT* 18 months + RT**

*ADT: Bicalutamide 50 mg id x 1 month + Goserelin 10.8 mg q 3 months **RT: pelvis 44 Gy - 4 ½ weeks, prostate 70 Gy - 7 weeks

Median Follow-up 9.4 years

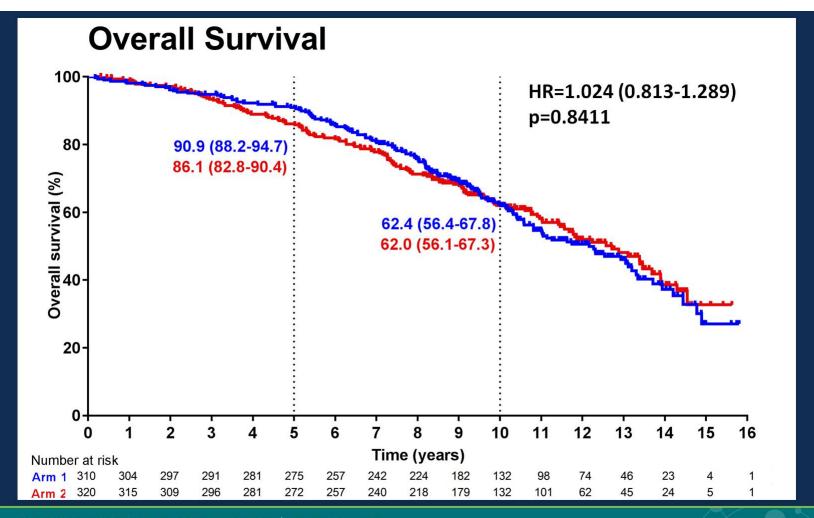
PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author, Permission required for reuse.

Presented by: A. Nabid







PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.

Presented by: A. Nabid





3 Studies With Genetic Testing/Correlates:

<u>Spratt and colleagues:</u> Development and validation of a novel clinical-genomic risk group classification for prostate cancer incorporating genomic and clinicopathologic risk

<u>Chi and colleagues:</u> A randomized phase Il cross-over study of abiraterone + prednisone vs enzalutamide for patients with metastatic, castration-resistant prostate cancer

<u>Hussein and colleagues:</u> Abiraterone + Prednisone (Abi) +/- Veliparib (Vel) For Metastatic on-Resistant Prostate (CRPC pts): NCI 9012 Updated Clinical and Genomics Data

Do we know the biology behind the test?

Do we have a validated clinical-grade assay?

Is it cheap and is it adoptable worldwide?

Is it prognostic or predictive?

Does it better our clinical decision-making and change treatment?

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

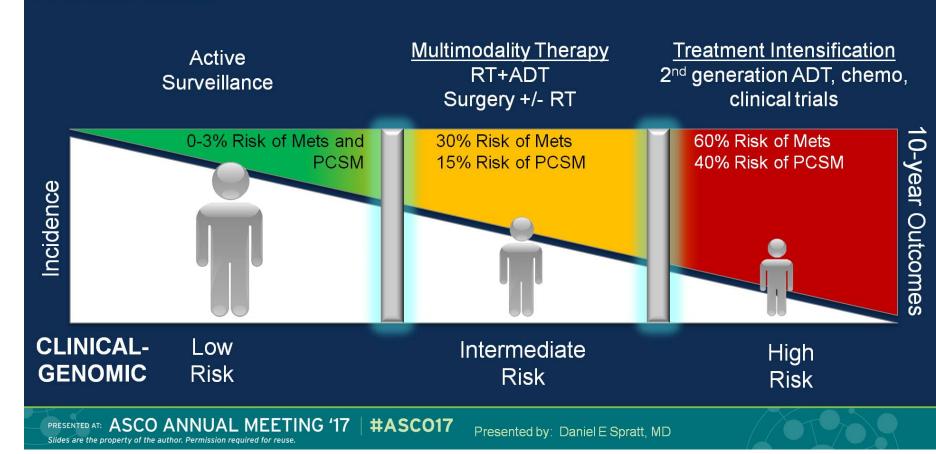
Slides are the property of the author, Permission required for reuse





Risk score verlaagt in 30% de risk groep

Implications of the New Clinical-Genomic Risk Groups for Localized Prostate Cancer







Lattitude en Stampede studies

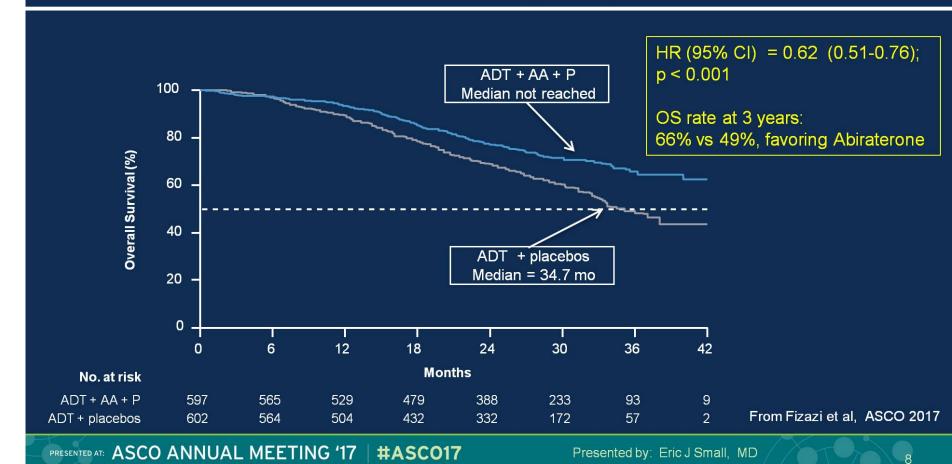
- OS
- DFS
- PCSM
- Time to radiographic progression
- Time to PSA rise





Lattitude OS

Overall Survival as Co-Primary Endpoint: Results





Slides are the property of the author. Permission required for reuse



Subsequent life-prolonging therapy for prostate cancer

	ADT + AA + P (enrolled; n = 597)	ADT + placebos (enrolled; n = 602)	
Patients who discontinued study treatment (total = 783)	314	469	
Patients who received post-study life-prolonging therapy (%) Total	125 (40%)	246 (52%)	
Docetaxel	106 (34)	187 (40)	
Enzalutamide	30 (10)	76 (16)	
Abiraterone/Prednisone	10 (3)	53 (11)	
Cabazitaxel	11 (4)	30 (6)	
Radium-223	11 (4)	27 (6)	

PRESENTED AT: ASCO ANNUAL MEETING '17 Slides are the property of the author. Permission required for reuse.

Presented by: Eric J Small, MD

From Fizazi et al, ASCO 2017 11





Where does chemotherapy fit in?

- The addition of docetaxel to ADT has previously been shown to prolong life in the CHAARTED and STAMPEDE trials*
- Should ADT + Docetaxel have been the control arm in Latitude?
- Latitude fully accrued before docetaxel results published

*Sweeney C, et al. N Engl J Med. 2015;373:737-746; James N, et al. Lancet. 2016;387:1163-1177.

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

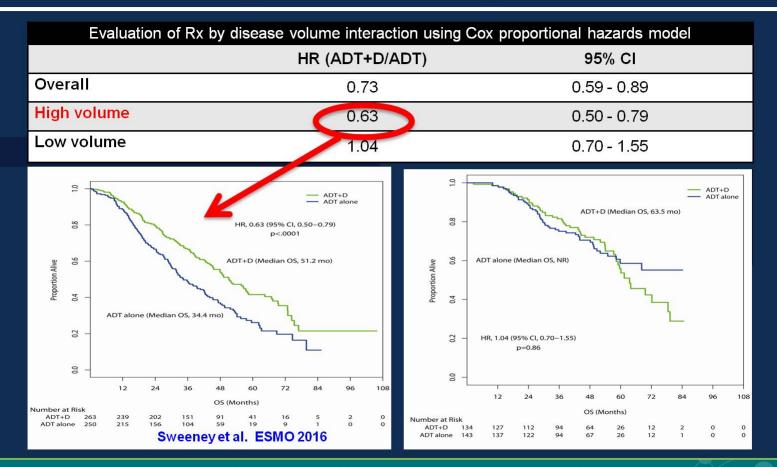
Slides are the property of the author. Permission required for reuse.







CHAARTED: OS benefit (HR for death = 0.73) in favor of ADT + Docetaxel



PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.

Presented by: Eric J Small, MD





Comparing CHAARTED High Volume Patients and LATITUDE Patients

	N	Eligibility Criteria
LATITUDE All Patients	1199	 Meets at least 2 of 3 high-risk criteria: Presence of ≥ 3 lesions on bone scan Presence of measurable visceral lesion Gleason score of ≥ 8
CHAARTED High Volume	513	 Meets one or both criteria: Presence of ≥ 4 lesions on bone scan (with at least one lesion outside pelvis and spine) Presence of measurable visceral lesion

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.

Presented by: Eric J Small, MD





Comparing LATITUDE and CHAARTED Patients

	N	Patient Characteristics		
LATITUDE	1199	GS≥ 8 ≥3 bone mets Visceral mets Median Age	97.5% 97.5% 17% 67.5 yrs	
CHAARTED	790	GS ≥ 8 "high vol" ≥4 bone mets Visceral mets Median Age	60% 65% na 24% 63.5 yrs	

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.





Comparing Overall Survival Across Studies

	Median OS			3 yr OS rate*	
	HR (95% CI)	Control (months)	Rx (months)	Control	Rx
LATITUDE	0.62 (0.51-0.76)	34.7 mo	NR	49%	66%
CHAARTED High Volume	0.63 (0.50-0.79)	34.4 mo	51.2 mo	~50%	~65%

* Estimated from KM plots

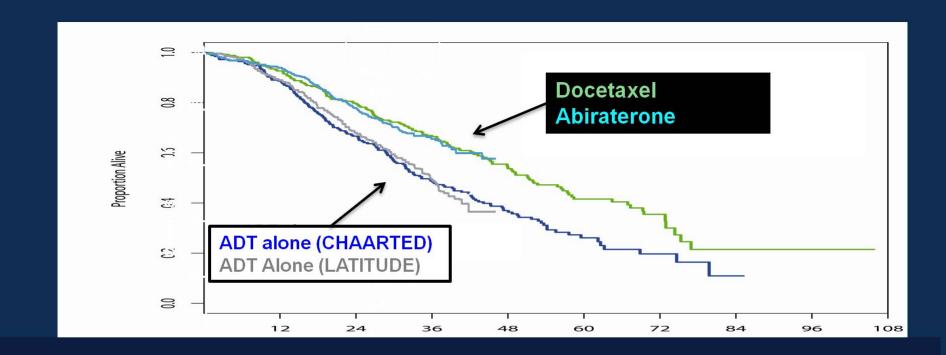
PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.









Overlay of LATITUDE KM Plot on CHAARTED (high volume) KM Plot

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.







Comparing r-PFS* Across Studies

	HR (95% CI)	Control Arm (months)	Treatment Arm (months)	
LATITUDE	0.47 (0.39-0.55)		33.O mo	
CHAARTED (High Volume)			27.3 mo	

*CHAARTED: Clinical Progression (sx, RECIST, clinical)

LATITUDE: r-PFS

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.





Comparing Toxicity Across Studies

	Agent	Treatment-Associated Toxicity	Duration of experimental drug exposure
LATITUDE	Abi + Pred	grade 3 grade 4 HTN: 20% 0% ↓K: 10% 0.8% ALT: 4% 0.3%	On Rx until PD (median = 33 mos)
CHAARTED (entire cohort)	Docetaxel	Neutropenia: 12% Neutropenic fever: 6% Gr 3 or 4 infection with neutropenia: 2% 1 early death	6 cycles = 4.5 mos

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.





CONCLUSIONS: Comparing LATITUDE and CHAARTED

Comparison across studies is fraught with hazards! Nevertheless....

In a similar risk group of metastatic prostate cancer patients, the addition of either Abiraterone or Docetaxel:

Each resulted in a HR for death of ~ 0.6

Each had similar 3 yr Δ in OS compared with control (~ 65% vs. 50%)

Each resulted in a HR for radiographic progression of ~ 0.5

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

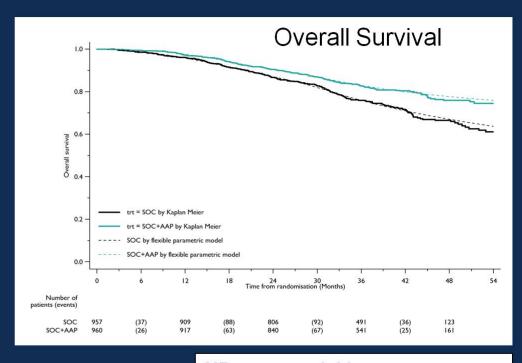
Slides are the property of the author. Permission required for reuse.





Data from STAMPEDE

1%	WHO PS 2		
21%	WHOPS 1		
67yr	Median age (min 39, max 85)		
52%	Metastatic (88% Bony mets)		
20%	N+M0		
28%	NOMO		
99%	LHRH analogues		
41%	Planned for RT (96% of N0M0 pts;		
	62% of N+M0 pts)		
5%	Previous local therapy		



HR 0.63

95% CI 0.52 to 0.76

P-value 0.00000115

From James et al, ASCO 2017

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.

Presented by: Eric J Small, MD





Comparing Overall Survival Across Studies

	Median OS			3 yr OS rate	
	HR (95% CI)	Control (months)	Rx (months)	Control	Rx
LATITUDE	0.62 (0.51-0.76)	34.7 mo	NR	49%	66%
STAMPEDE	0.63	not reached (0.52 – 0.76)			
CHAARTED High Volume	0.63 (0.50-0.79)	34.4 mo	51.2 mo	~50%*	~65%*

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.





Unanswered Questions: Efficacy

Selecting the optimal way to use Abiraterone

Can a genomic classifier be used to select patients more likely to benefit from abiraterone or docetaxel?

What about adding abiraterone in even earlier settings? e.g. with radiation, or for climbing PSA Patients?

Should abiraterone and docetaxel be combined or used sequentially?

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

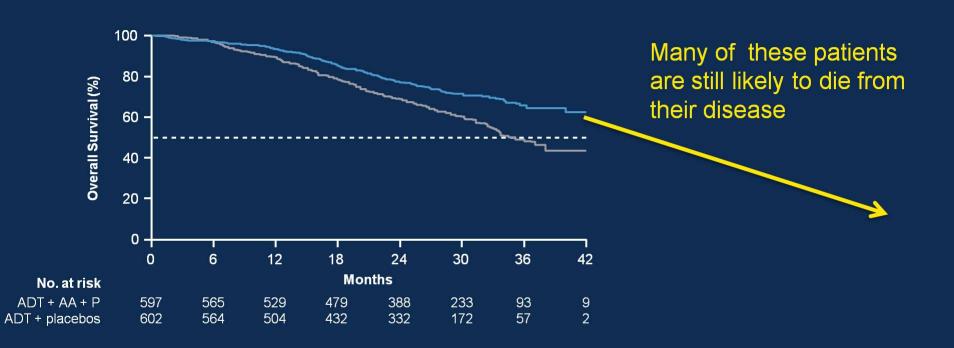
Slides are the property of the author, Permission required for reuse.





Implications:

While there is much to celebrate...



PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.

Presented by: Eric J Small, MD





The Longitudinal Timeline of Systemic Therapy for Metastatic Hormone "Naïve" Prostate Cancer



1941: Charles Huggins publishes his observations that Androgen Deprivation Therapy is highly effective in controlling metastatic prostate cancer.



2015: CHAARTED and STAMPEDE trials demonstrate that the addition of docetaxel to ADT prolongs life in men with (high volume) metastatic prostate cancer.



2017: LATITUDE and STAMPEDE: The addition of abiraterone to ADT prolongs life



PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.

Presented by: Eric J Small, MD





Take Homes from Latitude

- The benefit obtained from adding abiraterone to ADT appears to be the same as that seen with docetaxel.
- The use of abiraterone

Avoids Chemotherapy

Avoids (rare) neutropenic complication/ treatment-associated deaths

Replaces short term IV treatment with long term oral treatment

May be more appropriate in elderly or debilitated

Future evaluation

QOL and financial toxicity

Testing earlier (eg climbing PSA patients)

Combination with docetaxel

PRESENTED AT: ASCO ANNUAL MEETING '17 #ASCO17

Slides are the property of the author. Permission required for reuse.



