



Dr Luca Cindolo

Urologo dal 2002, ha studiato presso la scuola di Napoli –
Federico II, FEBU, PhD

Urologia oncologica e Urologia Funzionale , le grandi passioni

>170 articoli su riviste nazionali ed internazionali

h-index : 46

Urologo ASL Abruzzo 2, direttore UOS Urologia Robotica

Are di interesse: chirurgia mininvasiva, Green Light Laser,
RIRS, neurourologia, urooncologia, CRPC



*Thermocline Otto Dix, oil on canvas 2017
A. Annino*

Il paziente metastatico resistente alla castrazione: identificazione e trattamento

Dr. Luca Cindolo

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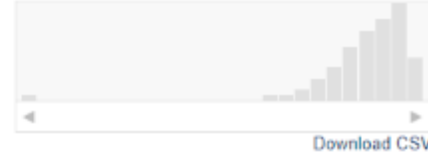
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- 1. [Prognostic value of an automated bone scan index for men with metastatic castration-resistant prostate cancer treated with cabazitaxel.](#)

Uemura K, Miyoshi Y, Kawahara T, Ryosuke J, Yamashita D, Yoneyama S, Yokomizo Y, Kobayashi K, Kishida T, Yao M, Uemura H.
BMC Cancer. 2018 May 2;18(1):501. doi: 10.1186/s12885-018-4401-y.
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Results by year



- Sipuleucel-T
- Cabazitaxel
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- Enzalutamide
- TAK700
- Apalutamide
- Docetaxel
- Vinorelbina
- Etoposide
- PARP inibitori
- Combinazioni
- Darolutamide



Terapia ormonale

Sviluppo
M0 CRPC

Progressione a
M1 CRPC

Decisione terapeutica

Quando trattare?

Trattare o non trattare?

Quale farmaco?

Come seguire il paziente?

Quando lo shift?

Quando sospendere?

Non è meglio l'invio all'oncologo?

VOLUME 31 | NUMBER 12 | NOV 20, 2013

JOURNAL OF CLINICAL ONCOLOGY

SPECIAL ARTICLE

Trial Design and Objectives for Castration-Resistant Prostate Cancer: Updated Recommendations From the Prostate Cancer Clinical Trials Working Group 3

Morgan T, Antoniou M, Arora R, et al. J Clin Oncol. 2013;31(12):1543-1554. doi:10.1200/JCO.2013.521948. Epub 2013 Oct 15. PMID: 24111111





Urologic Oncology: Seminars and Original Investigations 35 (2017) 51–513

Original article

Navigating the evolving therapeutic landscape in advanced prostate cancer

E. David Crawford, M.D.^a, Daniel Petrylak, M.D.^{b,c}, Oliver Sartor, M.D.^{d,e,*}

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^b Department of Medicine (Medical Oncology), Yale (Smilow) Cancer Center, New Haven, CT
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3/5/2018 mCRPC Treatment: The Right Treatment for the Right Patient at the Right Time: EVERYDAY UROLOGY- Full Text Article

mCRPC Treatment: The Right Treatment for the Right Patient at the Right Time: EVERYDAY UROLOGY- Full Text Article

Everyday Urology-Oncology Insights: Volume 1, Issue 4

© 2017 EDIZIONI MINERVA MEDICA Minerva Urologica e Nefrologica 2018 February; 70(1): 22-41
 Online version at <http://www.minervamedica.it> DOI: 10.23736/S0393-2249.17.02976.9

REVIEW


Castration-resistance prostate cancer: what is in the pipeline?


Cosimo DE NUNZIO^{1,*}, Fabrizio PRESICCE¹, Silvana GIACINTI², Maria BASSANELLI^{2,3}, Andrea TUBARO¹

EURURO-7792; No. of Pages 12

ARTICLE IN PRESS
 EUROPEAN UROLOGY XXX (2018) XXX-XXX

available at www.sciencedirect.com
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 European Association of Urology



Platinum Priority – Review – Prostate Cancer
Editorial by XXX on pp. x–y of this issue

Update on Systemic Prostate Cancer Therapies: Management of Metastatic Castration-resistant Prostate Cancer in the Era of Precision Oncology

Philipp Nuhn^a, Johann S. De Bono^b, Karim Fizazi^c, Stephen J. Freedland^{d,e}, Maurizio Grilli^f, Philip W. Kantoff^g, Guru Sonpavde^h, Cora N. Sternbergⁱ, Srinivasan Yegnasubramanian^{j,k}, Emmanuel S. Antonarakis^{j,k,*}

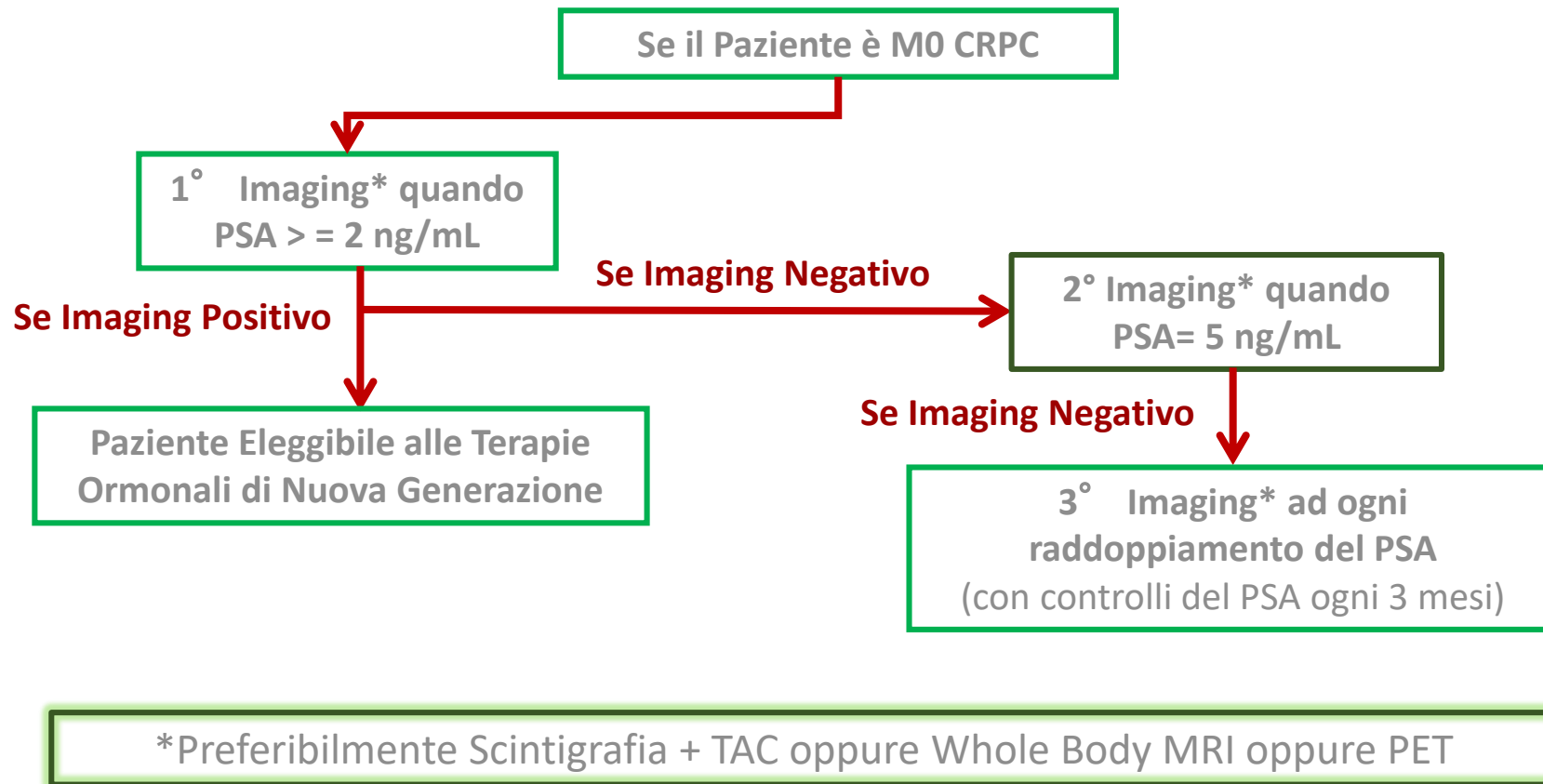
Our challenge in the near future will be to identify the **right treatment** or better the **right combination and sequencing** of treatments that should be used to **manage patients** with CRPC or even with advanced prostate cancer.

A collection of sewing tools and materials including a measuring tape, spools of thread, buttons, and fabric pieces.

**Si fa presto a dire
tailoring**

EAU Guidelines

Il Metodo RADAR



Molecole

Paziente

Esperienza clinica



Molecole

Treatment	Trial	Reference	Survival (mos)	Survival gain (mos)
Docetaxel/prednisone vs mitoxantrone/predn.	TAX-327 ¹	Tannock 2004	18.9 vs 16.5	2,4
Sipuleucel vs placebo		Kantoff 2010	25.8 vs 21.7	4.1
Abiraterone/prednisone vs Placebo/prednisone	COU-AA-302 ³	Ryan 2014	34.7 vs 30.3	4,4
Enzalutamide vs placebo	PREVAIL ⁴	Beer 2014	35.3 vs 31.3	4,0
Radium-223 vs placebo/BSC	ALSYMPCA ⁵	Parker 2013	14.9 vs 11.3	3,6

¹Tannock et al. N Engl J Med. 2004 ; ²Kantoff et al. N Engl J Med. 2010; ³Ryan C et al. Lancet Oncol. 2015

⁴Beer et al. European Urology 2016; ⁵Parker et al. N Engl J Med. 2013

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Platinum Priority – Review – Prostate Cancer
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Molecole



Table 1 – Current therapies in mCRPC

AR-targeted therapy

Abiraterone	CYP17A1 inhibitor	Approved
Enzalutamide	AR antagonist	Approved
Orteronel (TAK-700)	CYP17A1 inhibitor	Under clinical evaluation
Seviteronel (VT-464)	CYP17A1 inhibitor	Under clinical evaluation
Apalutamide (ARN-509)	AR antagonist	Under clinical evaluation
Darolutamide (ODM-201)	AR antagonist	Under clinical evaluation

Chemotherapy

Docetaxel	Taxane	Approved
Cabazitaxel	Taxane	Approved

Immunotherapy

Sipuleucel-T	Therapeutic vaccine	Approved
PROSTVAC-VF	Therapeutic vaccine	Under clinical evaluation
Ipilimumab (MDX-010)	CTLA-4 inhibitor	Under clinical evaluation
Nivolumab	PD-1 inhibitor	Under clinical evaluation
Pembrolizumab	PD-1 inhibitor	Under clinical evaluation
Atezolizumab	PD-L1 inhibitor	Under clinical evaluation
Avelumab	PD-L1 inhibitor	Under clinical evaluation

Bone-targeted therapy

Bisphosphonates		Approved
Denosumab	RANKL inhibitor	Approved
Radium-223	Radionuclide	Approved

PARP inhibitors

Olaparib	PARP inhibitor	Under clinical evaluation
Veliparib	PARP inhibitor	Under clinical evaluation
Rucaparib	PARP inhibitor	Under clinical evaluation
Niraparib	PARP inhibitor	Under clinical evaluation
Talazoparib	PARP inhibitor	Under clinical evaluation

Other emerging therapies and novel therapeutic targets

Selinexor	XPO-1 inhibitor	Under clinical evaluation
SM88	Agent combination	Under clinical evaluation
Cabozantinib	Tyrosine kinase inhibitor	Under clinical evaluation
Tasquinimod	Small-molecule inhibitor	Negative
¹⁷⁷ Lu-PSMA-617	PSMA-targeted therapies	Under clinical evaluation

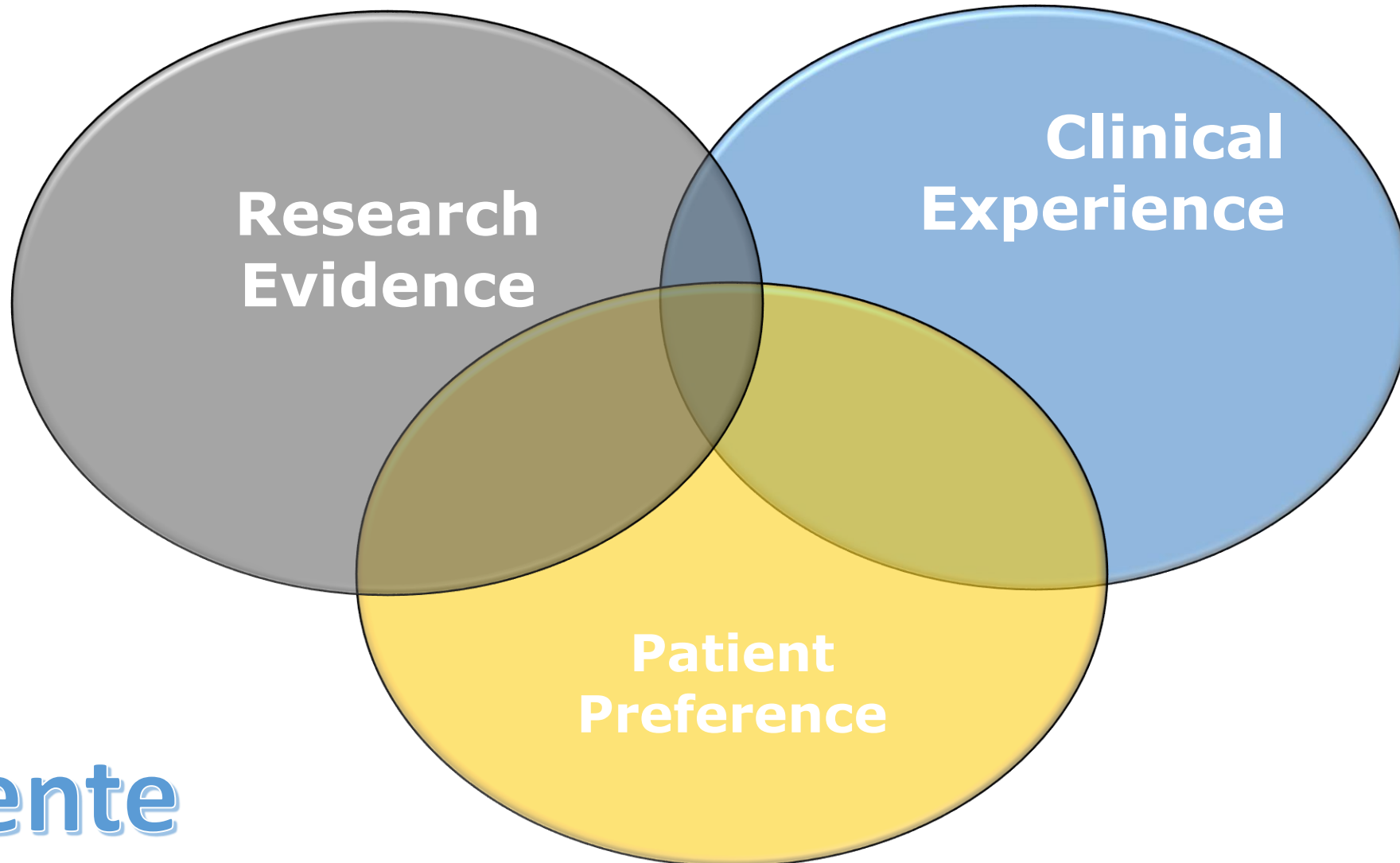
Molecole

Paziente

Esperienza clinica



Evidence Based Medicine



Paziente

Patients' Preferences for the Treatment of Metastatic Castrate-resistant Prostate Cancer: A Discrete Choice Experiment

Lina Eliasson, PhD¹; Hayley M. de Freitas, MSc¹; Lindsay Dearden, MSc²; Brian Calimlim, DrPH³; and Andrew J. Lloyd, DPhil¹

(N = 285)

Completo controllo del dolore
(OR = 12.069 [95% CI, 10.555–13.800])

Trattamenti che ritardano la chemio
(OR, 1.727 [95% CI, 1.548–1.927])

Trattamenti che compromettono meno memoria
e funzioni cognitive
(OR, 2.115 [95% CI, 1.849–2.420]),

Trattamenti che hanno basso rischio di fatigue
(OR, 1.365 [95% CI 1.219-1.528])

Trattamenti con minori accessi ospedalieri
(OR, 1.245 [95% CI 1.111-1.397])

Limitazioni di cibo... Poco rilevanti!

Paziente



LA PATIENTS' SATISFACTION CON ABIRATERONE È RISULTATA “MOLTO MIGLIORATA” NEL 36,1% DEI PAZIENTI E “MIGLIORATA” NEL 32,4% DEI PAZIENTI.

Caratteristiche demografiche e patologiche dei pazienti al basale

Caratteristiche	Valore
Età media (SD), anni	76,7 (7,1)
ECOG Performance Status, n (%)	
0-1	119 (93)
>2	9 (7)
ALT mediana al basale (range), U/L	20 (8-87)
AST mediano al basale (range), U/L	18,5 (6-309)
Comorbidità, n (%)	
Nessuna	26 (20)
Solo cardiovascolari	47 (36,4)
Solo metaboliche	11 (8)
Solo neurologiche	4 (3)
Solo neoplasia pregressa	1 (0,7)
Multiple	26 (20)
Altro	14 (11,9)

Tabella 1 di Rif.5

Abbreviazioni: ALT = alanina aminotransferasi;
AST = Aspartato aminotransferasi;
ECOG = Eastern Cooperative Oncology Group

Sopravvivenza libera da progressione e soddisfazione del trattamento

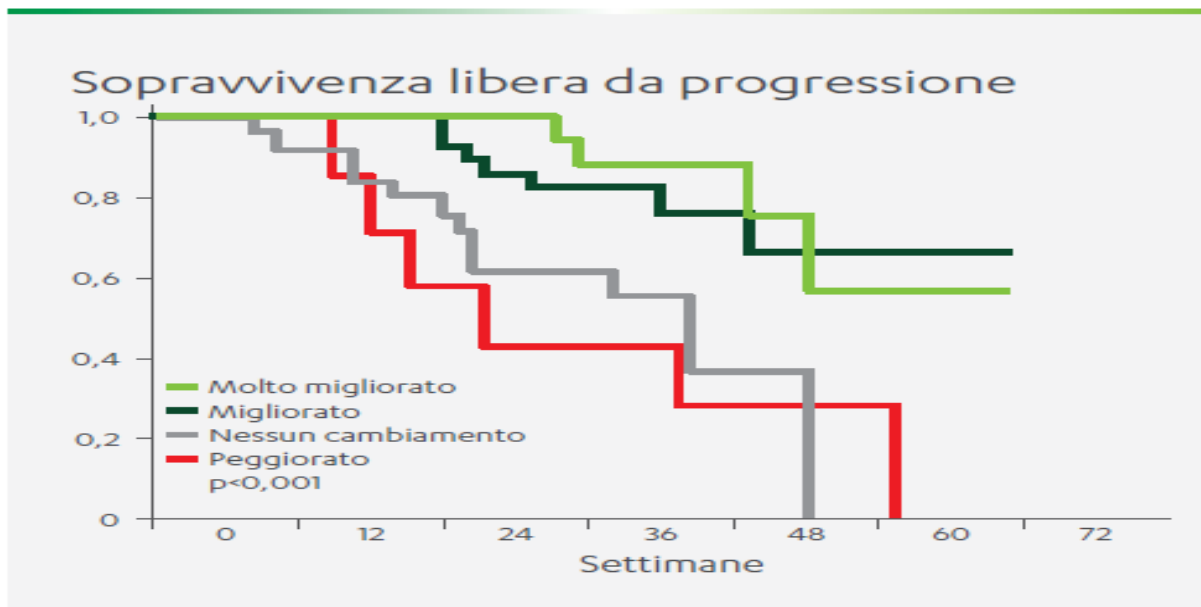
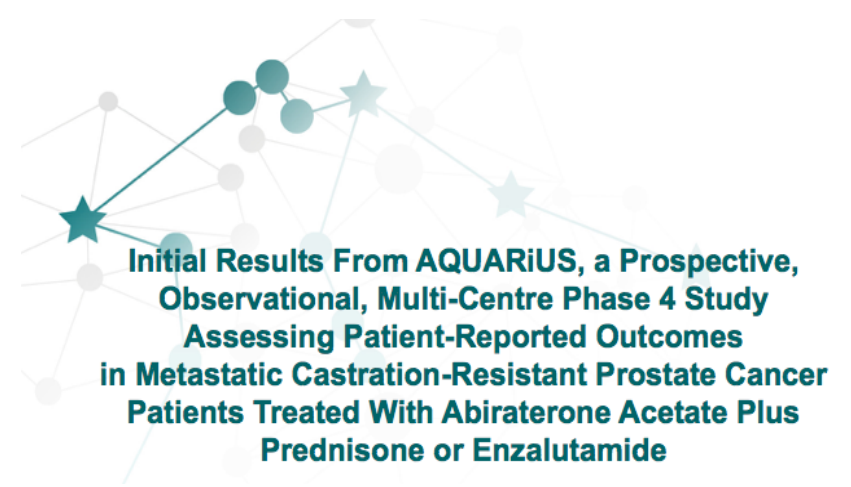


Figura 1 di Rif.5

La Patient's Satisfaction e' un predittore di malattia libera da progressione (PFS)

STUDIO AQUARIUS Studio osservazionale, prospettico, attualmente ongoing.



PRO		Month 1	Month 2	Month 3	Month 4-6
FACT-Cog	1. Perceived cognitive impairments (+)	3.25 [1.09-5.40]	4.73 [2.25-7.22]	5.44 [2.50-8.37]	4.22 [1.51-6.93]
	2. Comments from others (+)	0.76 [0.25-1.26]	0.71 [0.20-1.22]	0.95 [0.30-1.60]	0.58 [0.00-1.17]
	3. Perceived cognitive abilities (+)	1.00 [0.55-3.91]	2.55 [0.23-4.86]	-0.65 [-3.30-2.00]	1.67 [-0.88-4.22]
	4. Impact on QoL (+)	0.74 [-0.28-1.75]	0.09 [-1.03-1.22]	1.03 [-0.09-2.15]	0.28 [-0.65-1.21]
BFI	1. Your fatigue right now (-)	-0.71 [-1.31 to -0.11]	-0.82 [-1.50 to -0.14]	-0.99 [-1.74 to -0.23]	-0.08 [-0.79-0.63]
	2. Your usual level of fatigue (-)	-0.70 [-1.30 to -0.10]	-1.04 [-1.70 to -0.37]	-1.24 [-2.02 to -0.46]	-0.32 [-0.96-0.32]
	3. Your worst level of fatigue (-)	-0.89 [-1.51 to -0.27]	-1.00 [-1.74 to -0.25]	-1.32 [-2.10 to -0.53]	-0.09 [-0.82-0.63]
	4. Fatigue interference (-)	-0.33 [-0.84-0.19]	-0.71 [-1.25 to -0.18]	-0.90 [-1.56 to -0.24]	-0.35 [-0.94-0.24]
BPI	1. Pain at its worst (-)	0.06 [-0.63-0.76]	-0.54 [-1.29-0.21]	-0.66 [-1.46-0.14]	-0.05 [-0.75-0.65]
	2. Pain at its least (-)	-0.13 [-0.68-0.41]	-0.58 [-1.15 to -0.01]	-0.50 [-1.09-0.08]	-0.30 [-0.89-0.28]
	3. Pain on the average (-)	0.29 [-0.24-0.83]	-0.64 [-1.25 to -0.04]	-0.66 [-1.32 to -0.01]	-0.04 [-0.71-0.63]
	4. Pain right now (-)	-0.08 [-0.67-0.52]	-0.34 [-0.97-0.30]	-0.24 [-0.83-0.36]	-0.21 [-0.81-0.39]
	5. Pain interference (-)	-0.13 [-0.65-0.40]	-0.12 [-0.72-0.47]	-0.53 [-1.23-0.16]	0.06 [-0.60-0.72]
QLQ-C30	1. Physical functioning (+)	2.37 [-1.64-6.38]	1.30 [-3.26-5.87]	6.80 [1.81-11.80]	3.75 [-1.07-8.56]
	2. Role functioning (+)	6.33 [-0.95-13.61]	8.95 [1.99-15.91]	9.20 [1.78-16.62]	2.28 [-5.72-10.29]
	3. Emotional functioning (+)	4.55 [0.36-8.75]	1.33 [-4.19-6.86]	7.05 [2.88-11.23]	2.71 [-1.80-7.22]
	4. Cognitive functioning (+)	4.25 [0.55-7.95]	7.12 [2.40-11.83]	7.78 [1.81-11.87]	2.25 [-2.41-6.90]
	5. Social functioning (+)	4.20 [-1.75-10.16]	6.74 [0.77-12.70]	9.02 [2.78-15.26]	4.00 [-2.47-10.47]
	6. Fatigue (-)	-10.58 [-15.92 to -5.24]	-7.95 [-13.90 to -1.99]	-15.35 [-22.69 to -8.00]	-7.27 [-13.92 to -0.62]
	7. Nausea and vomiting (-)	-3.11 [-7.84-0.52]	-1.25 [-5.26-2.76]	-5.67 [-9.71 to -1.62]	-3.33 [-7.98-1.29]
	8. Pain (-)	-3.16 [-9.37-3.05]	-3.73 [-11.26-3.79]	-9.79 [-16.98 to -2.61]	-0.51 [-7.58-6.56]
	9. Dyspnea (-)	-0.65 [-6.15-4.86]	-1.52 [-8.18-5.14]	-1.41 [-8.33-5.51]	0.69 [-6.78-8.17]
	10. Insomnia (-)	-3.83 [-10.70-3.04]	4.08 [-3.09-11.24]	-1.88 [-9.75-5.99]	6.86 [0.14-13.58]
	11. Appetite loss (-)	-10.06 [-16.01 to -4.11]	-5.55 [-12.43-1.34]	-13.51 [-20.59 to -6.42]	-7.84 [-14.63 to -1.05]
	12. Constipation (-)	-4.31 [-10.86-2.24]	1.46 [-5.78-8.69]	-4.48 [-11.57-2.60]	-2.73 [-10.01-4.55]
	13. Diarrhea (-)	-1.02 [-7.02-4.99]	-3.97 [-9.82-1.88]	-2.42 [-7.97-3.12]	3.21 [-2.00-8.41]
	14. Financial difficulties (-)	0.65 [-3.30-4.60]	-2.37 [-6.74-1.99]	-0.73 [-4.44-2.98]	-1.91 [-5.86-2.04]
	15. Global health status/QoL (+)	0.22 [-5.14-5.58]	6.94 [0.52-13.37]	6.51 [-0.44-13.47]	1.94 [-3.73-7.62]

■ Significant difference in favor of AAP ■ Trend in favor of AAP ■ Trend in favor of ENZ ■ Significant difference in favor of ENZ

Interpretation of the PRO items: for FACT-Cog, higher scores are favorable; for EORTC QLQ-C30 functional scales and global health status/QoL, higher scores are favorable, for EORTC QLQ-C30 symptom scales, lower scores are favorable; for BPI-SF and BFI-SF, lower scores are favorable.

Scopo dello studio: analizzare i Patient Report Outcomes (PRO) nei pazienti che iniziano un trattamento in prima linea con Abi o con Enza.

Nella maggior parte dei casi si può osservare come a 6 mesi quasi tutti gli items rimangano a favore del trattamento con Abiraterone.

Paziente

Molecole

Paziente

Esperienza clinica



Esperienza clinica

Identify right diagnosis with criteria "CRPC"

Serum testosterone

< 50 ng/dL (1.7 nmol/L)
using androgen deprivation therapy

One or any in combination

Biochemical progression

Three consecutive rises in PSA

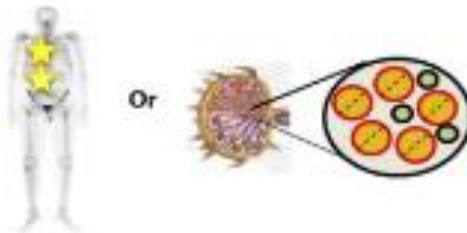


PSA increases
≥ 50% and
≥ 2 ng/mL
above nadir

PSA increases
≥ 50% and
≥ 2 ng/mL
above nadir

Confirm the
trend of PSA
increase

Radiological progression



Presence
≥ 2 bone lesions

Presence soft tissue lesions
with nodes >2 cm in diameter

EAU guideline 2015; PCWG2; RECIST 1.1

Varietà quadri clinici
Sviluppo di lesioni ossee 90%

eventi scheletrici

mCRPC basso volume,
asintomatici, ottima QoL


mCRPC alto volume, alto rischio,
sintomi rilevanti e significativi
(dolore)

mCRPC rapidamente progressivi,
alto volume

«...aim of therapy in patients with mCRPC is to match the appropriate strength therapy to the appropriate level of patient symptoms and disease burden». Ryan JC 2018

Esperienza clinica

Safety and efficacy of abiraterone acetate in chemotherapy-naive patients with metastatic castration-resistant prostate cancer: an Italian multicenter "real life" study

Luca Cindolo  , Clara Natoli, Cosimo De Nunzio, Michele De Tursi, Maurizio Valeriani, Silvana Giacinti, Salvatore Micali, Mino Rizzo, Giampaolo Bianchi, Eugenio Martorana, Marcello Scarcia, Giuseppe Mario Ludovico, Pierluigi Bove, Anastasia Laudisi, Oscar Selvaggio, Giuseppe Carrieri, Maida Bada, Pietro Castellani, Stefano Boccasile, Pasquale Ditunno, Paolo Chiodini, Paolo Verze, Vincenzo Mirone and Luigi Schips

BMC Cancer 2017 17:753

<https://doi.org/10.1186/s12885-017-3755-x> | © The Author(s). 2017

Received: 13 January 2017 | Accepted: 6 November 2017 | Published: 10 November 2017

Discussion

In the current study, we have depicted a representative snapshot regarding the efficacy of AA in an unselected patient population as in a “real life” scenario. Herein, with a mid term follow-up, we confirmed that AA plus prednisone is an effective treatment with excellent patient satisfaction (“greatly improved/improved”: 69.2%) and with a good safety profile (Grade 3 and 4 toxicity recorded in 11.7%). However, in a different setting (real life vs RCT) of different mCRPC patients (older patients, with lower value of baseline PSA, and shorter follow-up) we obtained results in terms of survival outcomes comparable with those reported in the COU-302 trial [6]. In particular, we observed a median



Abiraterone in chemotherapy-naive patients with metastatic castration-resistant prostate cancer: a systematic review of ‘real-life’ studies

Michele Marchioni, Petros Sountoulides  , Maida Bada, Sebastiano Rapisarda, Cosimo De Nunzio, Fabiola Raffaella Tamburro, Luigi Schips and Luca Cindolo

Ther Adv Urol

2018, Vol. 10(10) 305–315

DOI: 10.1177/
1756287218786160

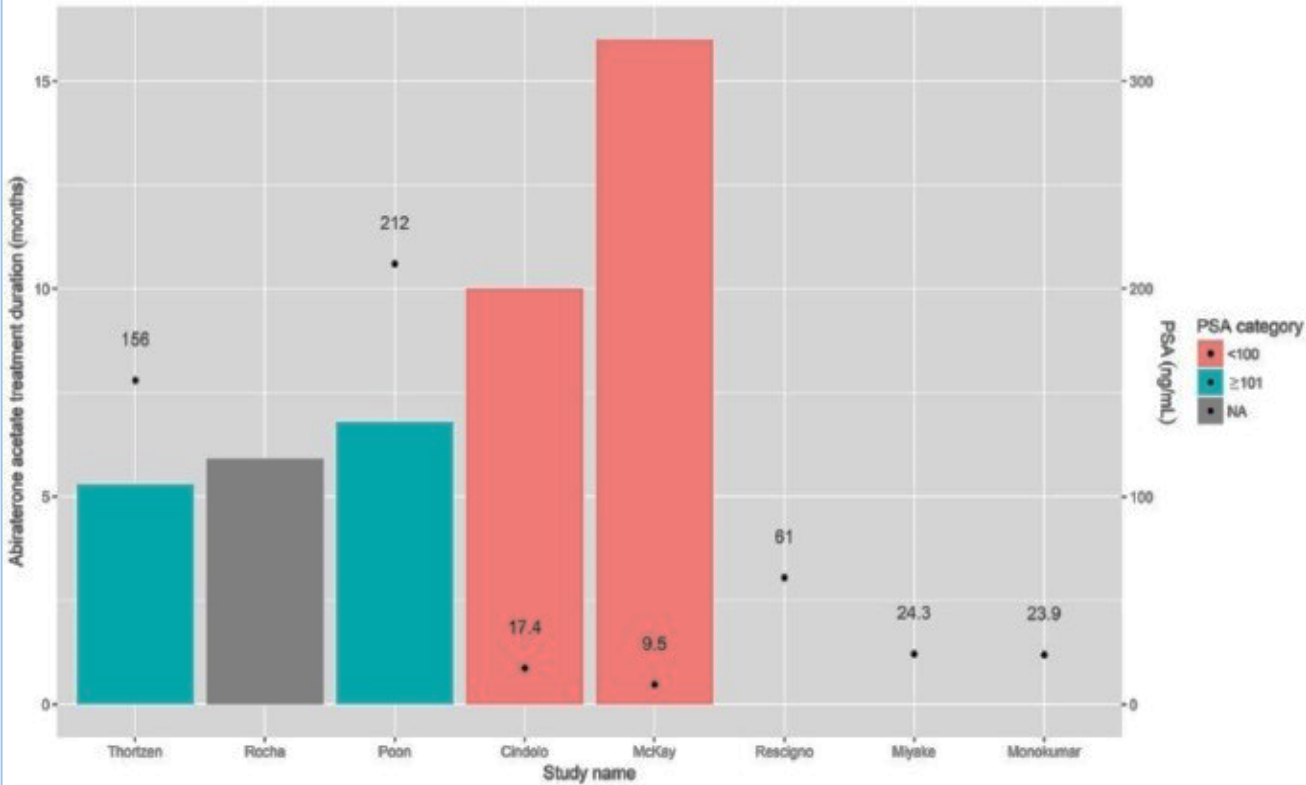
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Esperienza clinica

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Ther Adv Urol
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1756287218786160
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Michele Marchioni, Petros Sountoulides, Maida Bada, Sebastiano Rapisarda, Cosimo De Nunzio, Fabiola Raffaella Tamburro, Luigi Schips and Luca Cindolo



8 studi - 801 pazienti
PSA tra 9.5 e 212.0 ng/ml
Terapia con AA più lunga se PSA più basso

OS tra 14 e 36.4 mesi
% Tossicità ≥G3 tra 4.4 e 15.5%

Alta eterogeneità dei pazienti trattati
AA assicura buoni risultati sopravvivenza in setting 'real-life' setting

Quale scelta terapeutica nelle mani dell'urologo ?

BioMed Research International
Volume 2017, Article ID 3941217, 10 pages
<https://doi.org/10.1155/2017/3941217>

Review Article

Safety and Efficacy of First-Line Treatments for Chemotherapy-Naive Metastatic Castration-Resistant Prostate Cancer: A Systematic Review and Indirect Comparison

Haofeng Zheng, Jialiang Chen, Wenhan Qiu, Sijie Lin, Yanxiang Chen, Guancan Liang, and Youqiang Fang

Study	Hazard ratio IV, fixed, 95% CI	Hazard ratio IV, fixed, 95% CI
<i>Overall survival</i>		
Abiraterone versus placebo	0.81 [0.70, 0.93]	
Enzalutamide versus placebo	0.77 [0.67, 0.88]	
Sipuleucel-T versus placebo	0.74 [0.61, 0.89]	
Enzalutamide versus abiraterone*	0.96 [0.79, 1.16]	
Sipuleucel-T versus abiraterone*	0.91 [0.72, 1.15]	
Sipuleucel-T versus enzalutamide*	0.96 [0.75, 1.21]	

	COU-AA-302 (n = 542) %	PREVAIL (n = 871) %
Any adverse event	99	98
Any serious adverse event	33	34
Discontinuation owing to adverse event	10	8
Adverse event leading to death	4	3

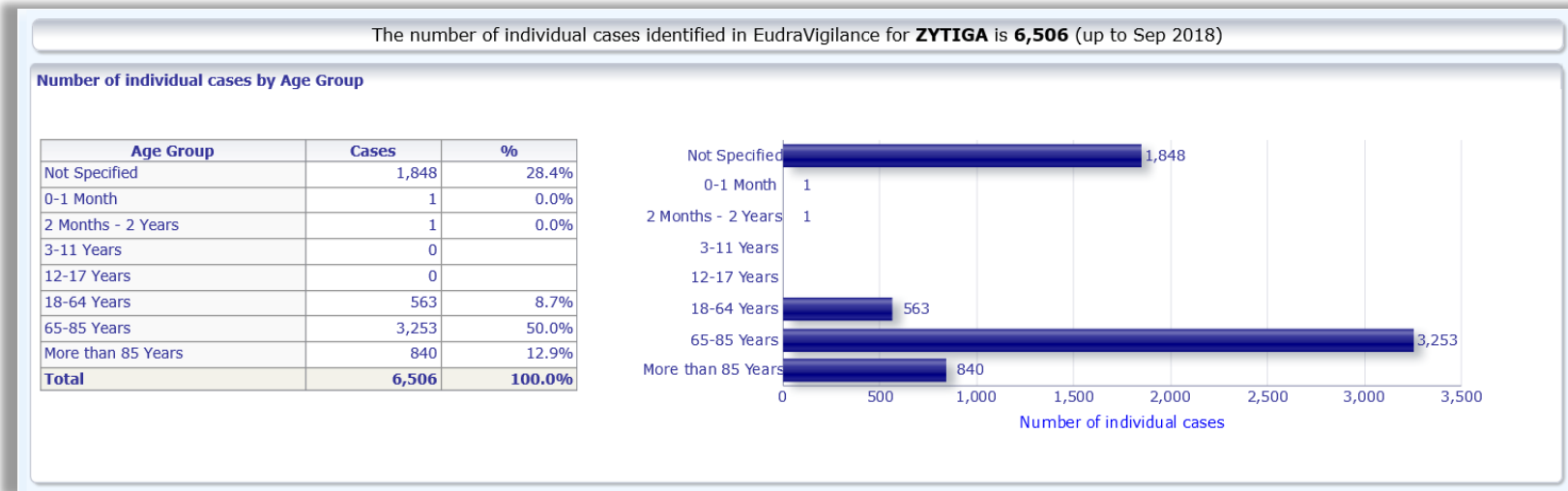


Banca dati europea delle segnalazioni
di sospette reazioni avverse ai farmaci

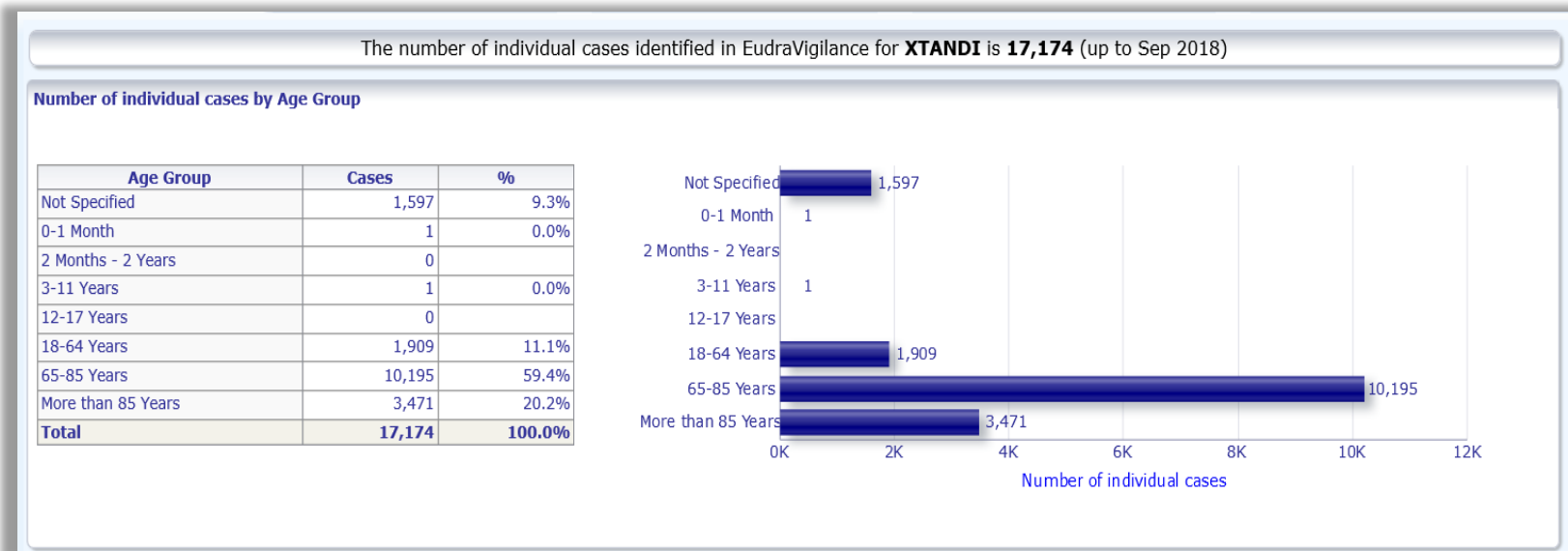
Settembre 2018

www.adrreports.eu/it/eudravigilance.html

Number of individual cases identified by Age Group in EudraVigilance for Zytiga is 6,506 (up to sept. 2018)



Number of individual cases identified by Age Group in EudraVigilance for Xtandi is 17,174 (up to sept. 2018)

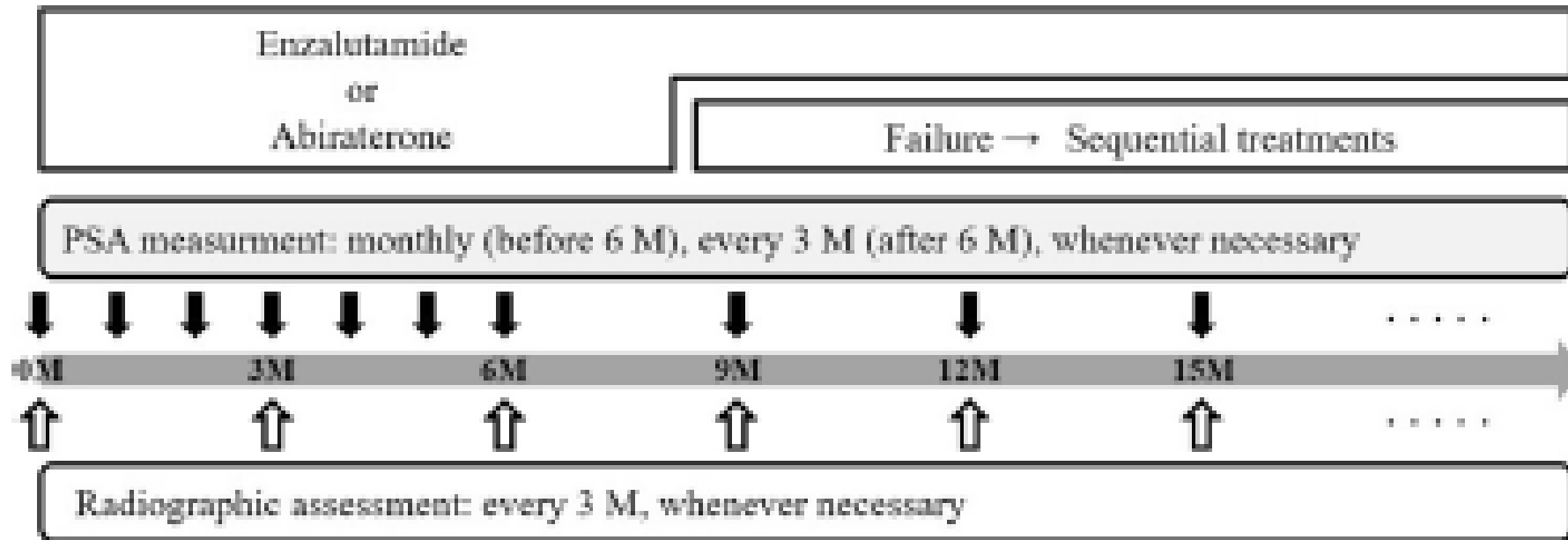
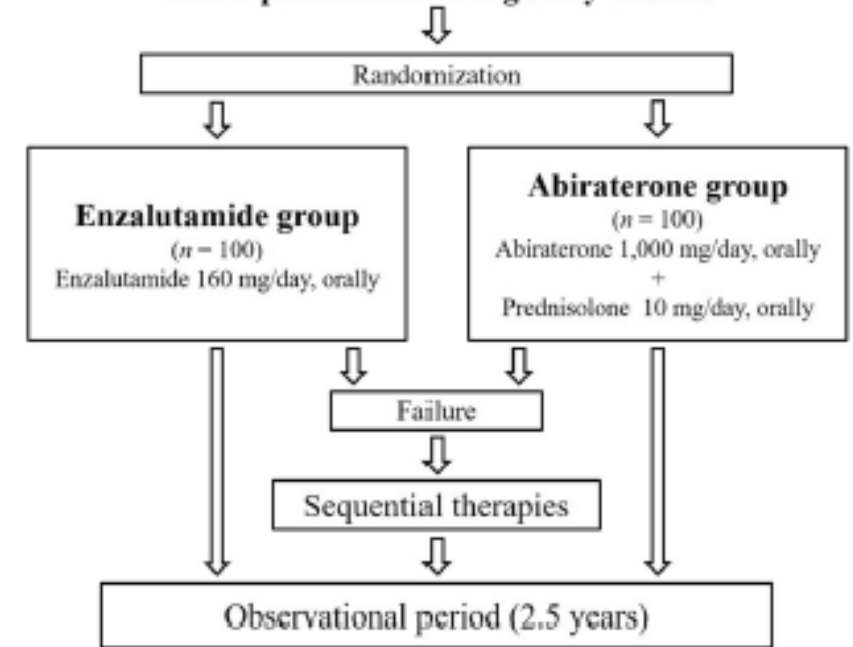




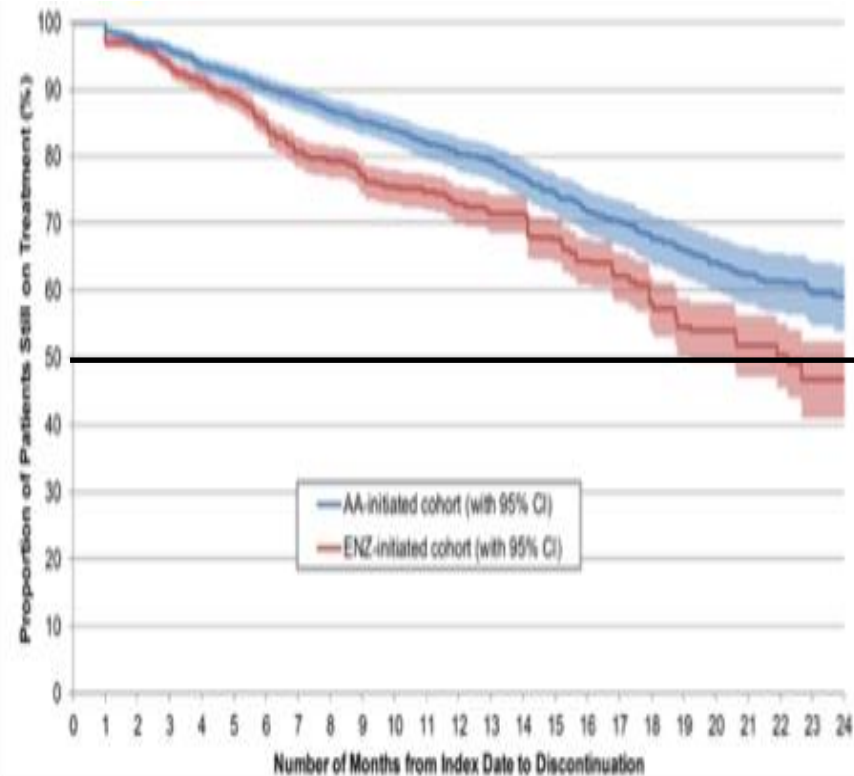
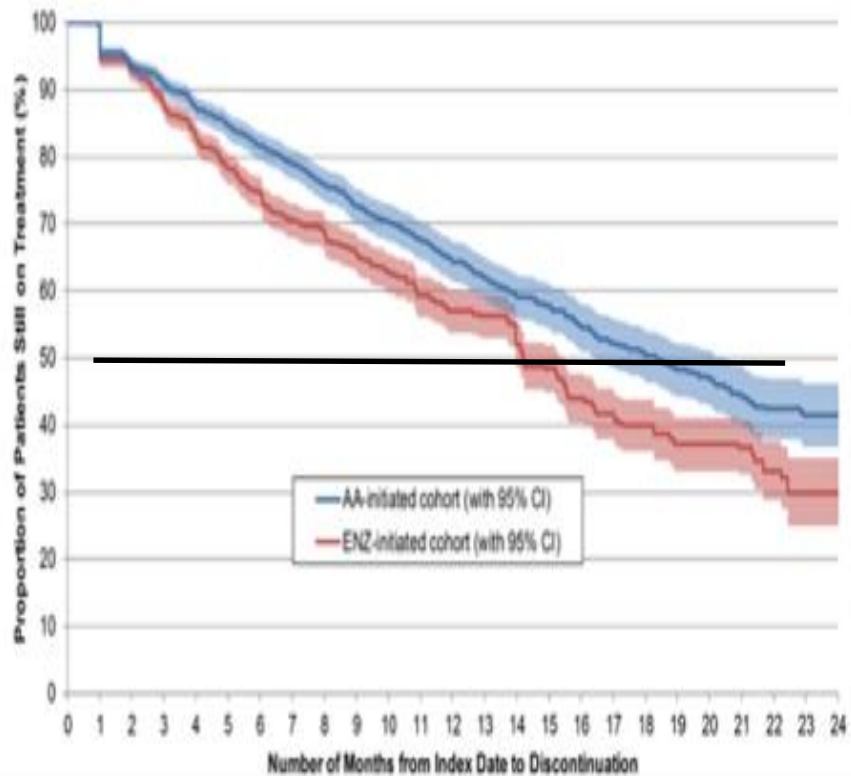
Enzalutamide versus abiraterone as a first-line endocrine therapy for castration-resistant prostate cancer (ENABLE study for PCa): a study protocol for a multicenter randomized phase III trial

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CRPC patients fit for eligibility criteria



La scelta del primo trattamento post ADT influenza la durata complessiva del trattamento



Popolazione ponderata:
AA initiated cohort= 1718
Enza initiated cohort= 1680

Durata trattamento singolo iniziando con:

- **Abiraterone** **18,3 mesi**
- **Enza** **14,2 mesi**

Durata mediana di tutto il trattamento per CRPC iniziando con:

- **Abiraterone** **non ancora raggiunta**
- **Enzalutamide** **22,2 mesi**

Take Home Messages

- **Scelta del trattamento fondata su RCT, real-life evidence, esperienza clinica**
 - **Esperienza clinica Italia >17000 pazienti**
 - **Studi real-life = efficacia ABI rispetto a RCT**
anche in popolazioni particolari
 - **QoL = preservata**
 - **Fatigue e aspetti cognitivi a favore di ABI**

A prospective real life study evaluating Abiraterone Acetate plus Prednisone (AAP) for metastatic Castration Resistant Prostate Cancer (mCRPC) (Abitude Study)

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Studio ABITUDE

BACKGROUND AND OBJECTIVES

- Abiraterone acetate is a selective inhibitor of androgen biosynthesis that potently and irreversibly blocks CYP17, a crucial enzyme in testosterone synthesis, resulting in virtually undetectable serum and intratumoral androgens and antitumor activity in patients with metastatic castration-resistant prostate cancer (1,2,3).
- According to an emerging need to investigate effectiveness in routine clinical practice, the ABITUDE study was designed to evaluate Abiraterone Acetate plus Prednisone (AAP) in a real-world setting on chemotherapy-naïve patients with metastatic Castration-Resistant Prostate Cancer (mCRPC). Here we present the main results of the first interim analysis.

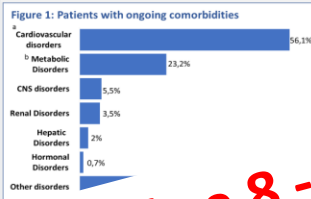
METHODS

- ABITUDE is a prospective, observational cohort study. Patients were consecutively enrolled in 49 Italian centers at the beginning of AAP and are being followed for 3 years.
- The primary objective is to evaluate PSA decline rate, radiographic progression-free survival (rPFS) and clinical benefit maintenance according to PCWG3 during AAP. Patient's quality of life and pain were measured every 6 months with the Functional Assessment of Cancer Therapy-Prostate (FACT-P; score range: 0-100) and Pain Inventory (BPI; score range: 0-10) questionnaire.

- Among 48 for analysis centers, where radiotherapy was performed, the median time from castration to beginning of AAP was 34.7 months.
- The most relevant urological center in standard hormonal therapy was 15%.

RESULTS (II)

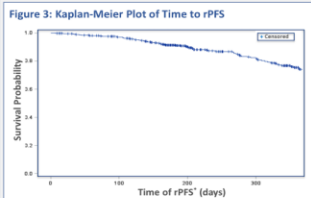
- At baseline more than half of the patients (56.1%) showed cardiovascular disorders, of which hypertension was the most frequent (48.3%) (figure 1).
- The most common reason for abiraterone treatment was PSA progression and radiographic progression (56.3%) and 81 (17.9%) started AAP due to PSA progression only (figure 2).



Among 48 for analysis centers, where radiotherapy was performed, the median time from castration to beginning of AAP was 34.7 months.



At the time of first planned interim analysis, 90.6% of the patients were alive and only 70 (15%) developed metastases (figure 3).



Patients achieving PSA decline (≥50%) from baseline within 3 months of AA treatment were 151 (37.6%) but during the treatment the patients that achieved the ≥50% PSA decline increased to 242 (60.3%) (table 2). This is a further evidence demonstrating that the treatment should not be interrupted based on the lack of PSA response.

Table 2: patients with PSA response

PSA response rate (≥50%) after 3 months of AA treatment	151 (37.6%)
PSA response rate (≥50%) from baseline	242 (60.3%)

RESULTS (III)

Quality of life

- At enrolment, median (25th-75th percentile) FACT-P total score was 110 (95; 120) points (N=421); during observation period, 218 patients (71.9%) did not show functional decline (N=303)(data not shown).
- Median (25th-75th percentile) baseline BPI worst pain score was 2 points (0-4; N=388). After 6 months the median scores of BPI scale halved (table 3). Patients with moderate or extreme pain/discomfort at baseline also experienced an improvement (table 4).
- EQ-5D-3L questionnaire indicate an improvement of general healthy status (table 4).

Table 3: Pain assessment – BPI questionnaire results

	N	25th percentile	Median	75th percentile
At baseline	173	0.0	1.0	3.0
At 6 months	54	0.0	0.3	2.5
Improvement	1	0.0	2.0	4.0
No improvement	0	0.0	1.0	4.0
Improvement	0	0.0	0.4	3.0
No improvement	0	0.0	0.2	1.9

Quality of Life – EQ-5D-3L questionnaire

	Baseline (N=453)	Follow up 6 months (N=453)
Mobility		
I have no problems in walking about	275 (61.7%)	221 (68.4%)
I have some problems in walking about	165 (37.0%)	100 (31.0%)
I am confined to bed	6 (1.3%)	2 (0.6%)
missing	7	130
Self-care		
I have no problems with self-care	364 (81.8%)	273 (84.5%)
I have some problems washing or dressing myself	73 (16.4%)	45 (13.9%)
I am unable to wash or dress myself	8 (1.8%)	5 (1.5%)
missing	8	130
Usual activities		
I have no problems with performing my usual activities	307 (69.6%)	242 (74.9%)
I have some problems with performing my usual activities	113 (25.6%)	70 (21.7%)
I am unable to perform my usual activities	21 (4.8%)	11 (3.4%)
missing	12	130
Pain/Discomfort		
I have no pain or discomfort	235 (53.4%)	202 (62.9%)
I have moderate pain or discomfort	197 (44.8%)	114 (35.5%)
I have extreme pain or discomfort	8 (1.8%)	5 (1.6%)
missing	13	132
Anxiety/Discomfort		
I am not anxious or depressed	263 (59.5%)	201 (62.6%)
I am moderately anxious or depressed	159 (36.0%)	110 (34.3%)
I am extremely anxious or depressed	20 (4.5%)	10 (3.1%)
missing	11	132

Note. Percentages were calculated over number of patients with non-missing response.

Safety

- Adverse reaction occurred in 10% of patients, the vast majority being non serious (9.4%).

CONCLUSIONS

- These data suggest that AAP was active and safe in a real world study population with baseline comorbidities.
- AAP delay functional decline and improve HRQoL and pain palliation.
- Further analyses with a longer follow up are awaited.

• Studio osservazionale prospettico in chemonaive ABI

• Analisi ad interim (durata 36m)

• 10 urologie coinvolte

• 65 pazienti seguiti da urologi/481 pazienti totali

lunedì 15 ottobre 8 - 9.30
Sala Salvatore Luria

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