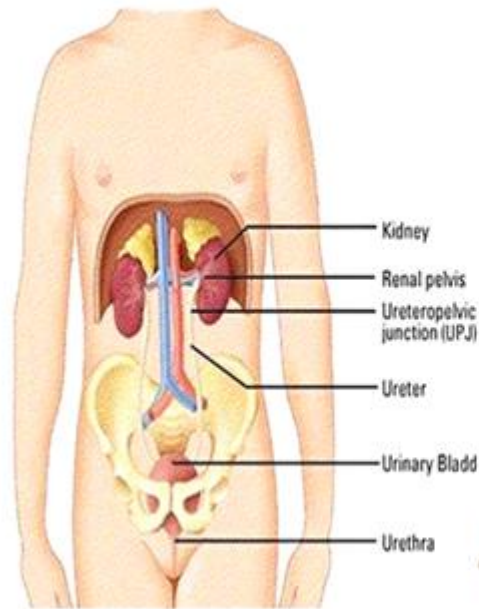


Az urológiai daganatos betegek kezelésének múltja, jelene és jövője

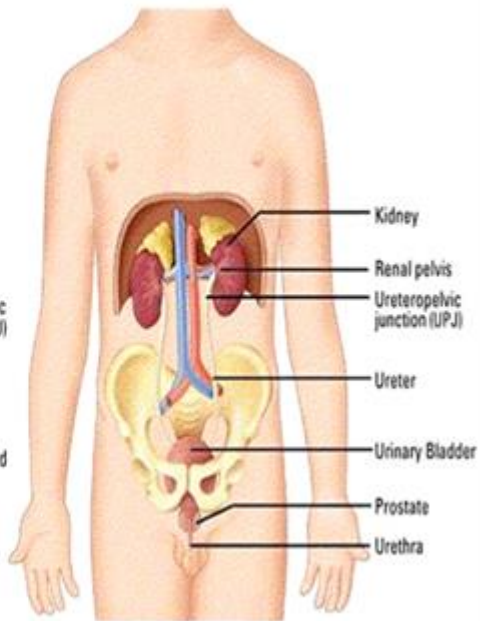
Bóde Imre
2015.04.30.



Female Urinary Tract



Male Urinary Tract



Veserák

- **felnőttkori rosszindulatú daganatok 2-3%**
- **Mo évi 2300-2400 beteg**
- **évi 700 halál**

Húgyhólyagdaganat

- **felnőttkori daganatok 2-3%**
- **hólyagban előforduló urothelsejtes tumor a negyedik leggyakrabban előforduló daganat**
- **Európában évente közel 120.000 új megbetegedés**
- **Hazánkban évente mintegy 2000 új húgyhólyagrákos esetet diagnosztizálnak**
- **Magyar Rákregiszter adatai alapján évente körülbelül 8-900 halál történik húgyhólyagrák**

Prosztatarák

- **daganatos elváltozások kb. 15 százaléka**
- **Nemzeti Rákregiszter: évi 3300 és 3800 felfedezés és 1500 haláleset**
- **világviszonylatban a férfiak körében a tüdőrák után a második leggyakrabban előforduló rosszindulatú daganat**
- **Európai Unió országaiban 80-90 000 új esetet**

Első próbálkozások

1869, Gustav Simon – nyílt nephrectomia

1991, Ralph V. Clayman - laparoscopos nephrectomia

1905, Hugh Hampton Young, nyílt perineális prostatectomia

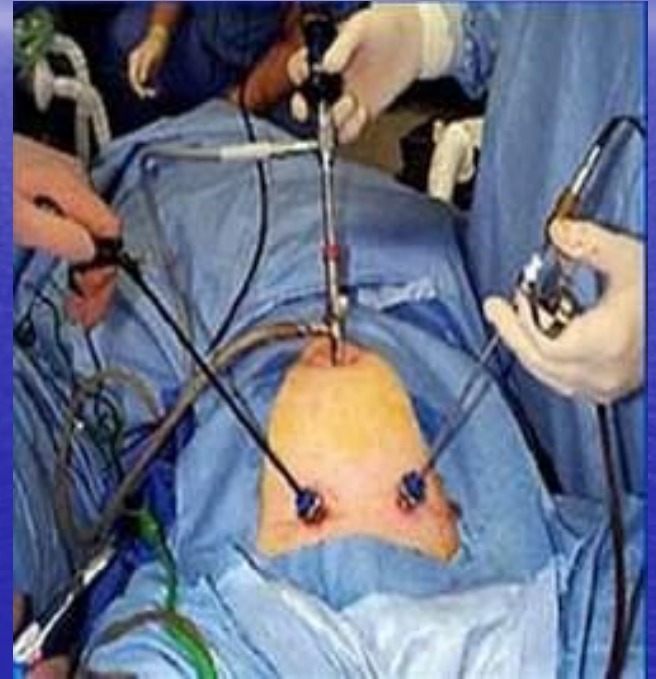
1947, Terence Millin, nyílt retropubikus prostatectomia

1991, W. W. Schussler, laparoscopos prostatectomia

2000, Mani Menon, robotasszisztált prostatectomia

1910, Edwin Beer - első TUR

1951, Eugene M. Bricker - első cystectomy





Onkológiai kezelés

Veserák:

Interferon, Interleukin: 80-as évek

Sunitinib: 2006.01.

Húgyhólyagrák:

Felületes:

Intravezikális CHT : 1982

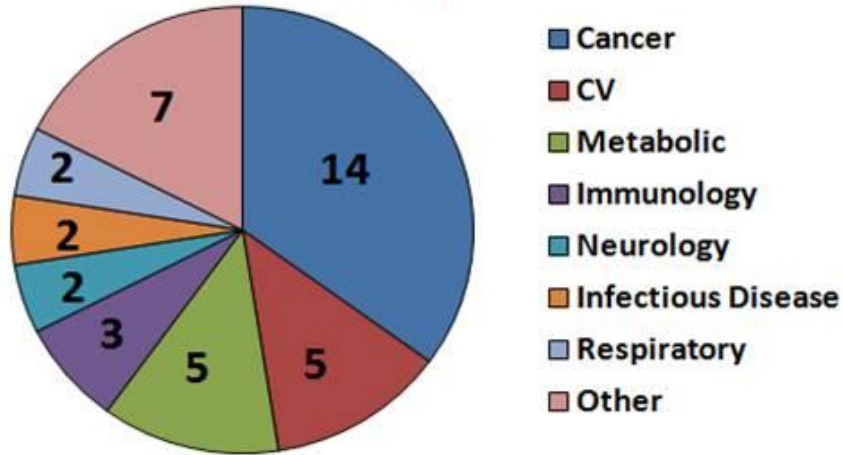
Intravezikális BCG: 1976

Kemotherápia:

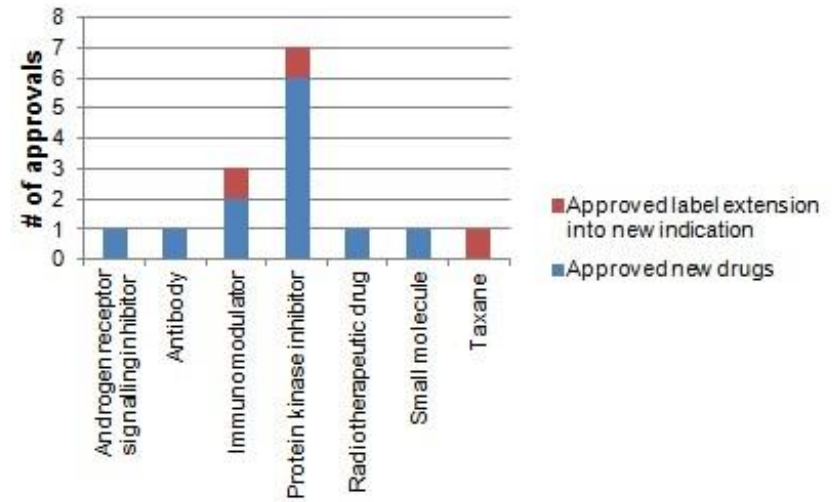
Cisplatin: 1978

Gemcitabine: 1995

Therapeutic Indications with Novel Drug Approvals in 2012

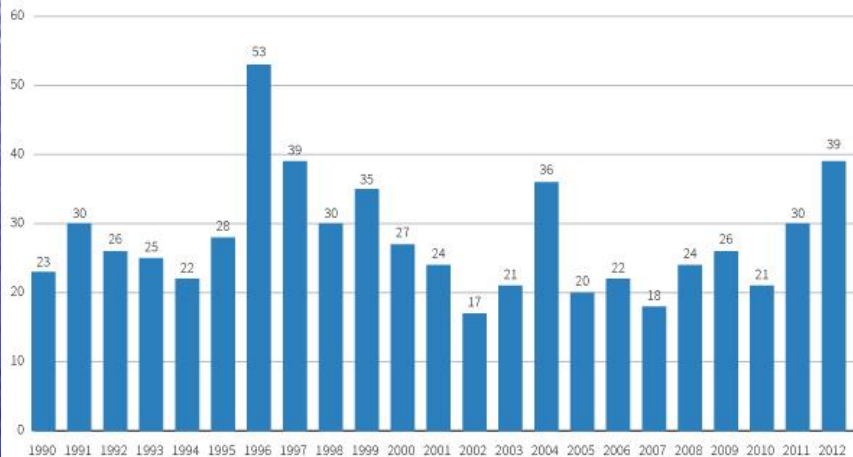


Approvals in 2013 - drug modalities in oncology



© SMS-oncology

US FDA drug approvals

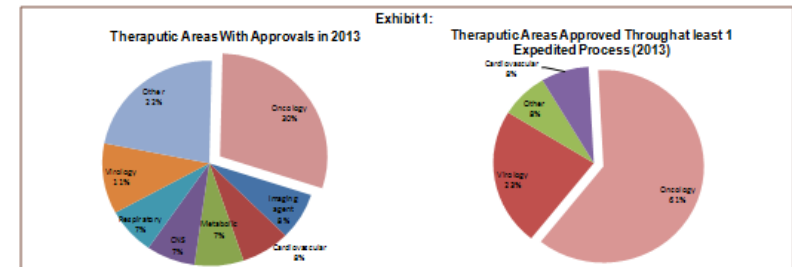


FDA's Center for Drug Evaluation and Research

V. Plasser, B. Hirsch, 21/12/2012

REUTERS

In 2013, Oncology dominated overall approvals (30%) and expedited approvals (61%)



PROSZTATARÁK

- **1966 Nobel díj, Charles Huggins**
- **Ösztrogén kezelés**

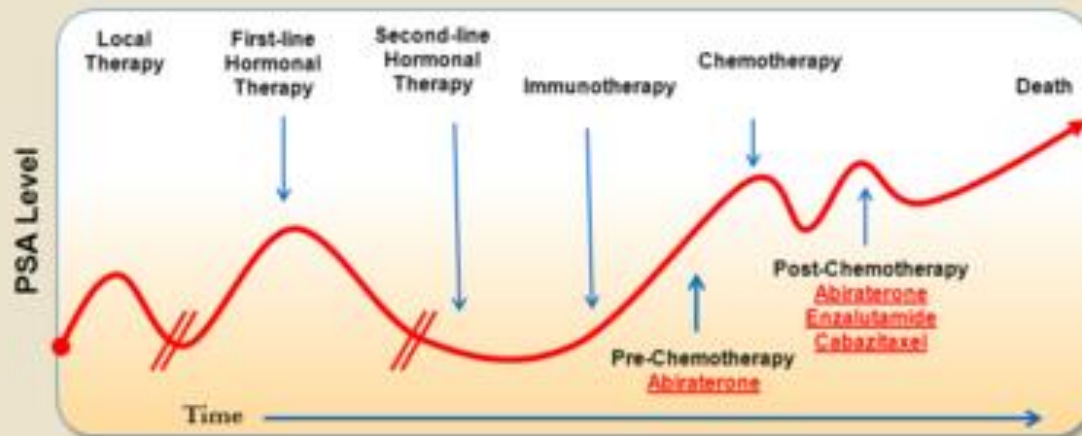
- **1985 LHRH analógok**
- **2008 LHRH antagonisták**

Table 1. Summary of current treatment options for metastatic castration-resistant prostate cancer

Study	Regimen and no. of patients	Patient characteristics	Hazard ratio	Survival time (mo)
TAX 327 [33]	Docetaxel plus prednisone every 3 weeks (<i>n</i> = 335), weekly (<i>n</i> = 334) or mitoxantrone plus prednisone (<i>n</i> = 337)	CRPC, chemotherapy naïve	0.76	18.9 vs. 16.5
COU-AA-302 ^a [36, 37]	Abiraterone acetate plus prednisone (<i>n</i> = 546) vs. placebo plus prednisone (<i>n</i> = 542)	CRPC, chemotherapy naïve, asymptomatic/mildly symptomatic	0.79	35.3 vs. 30.1
IMPACT ^b [38]	Sipuleucel-T (<i>n</i> = 341) vs. placebo (<i>n</i> = 171)	CRPC, chemotherapy naïve, asymptomatic/minimally symptomatic	0.78	25.8 vs. 21.7
TROPIC [29]	Cabazitaxel plus prednisone (<i>n</i> = 378) vs. mitoxantrone plus prednisone (<i>n</i> = 377)	CRPC, postdocetaxel	0.70	15.1 vs. 12.7
COU-AA-301 [30, 31]	Abiraterone acetate plus prednisone (<i>n</i> = 797) vs. placebo plus prednisone (<i>n</i> = 398)	CRPC, postdocetaxel	0.74	15.8 vs. 11.2
AFFIRM ^b [28]	Enzalutamide (<i>n</i> = 800) vs. placebo (<i>n</i> = 399)	CRPC, postdocetaxel	0.63	18.4 vs. 13.6
ALSYMPCA ^a [32]	Radium-223 (<i>n</i> = 614) vs. placebo (<i>n</i> = 307)	CRPC, postdocetaxel or unfit for docetaxel	0.69	14.9 vs. 11.3

^aNot yet approved in European Union or U.S.
^bNot yet approved in European Union.
Abbreviation: CRPC, castration-resistant prostate cancer.

Natural History of Prostate Cancer



Urologist

Urologist

Medical
Oncologist

Pathologist

Treatment Landscape

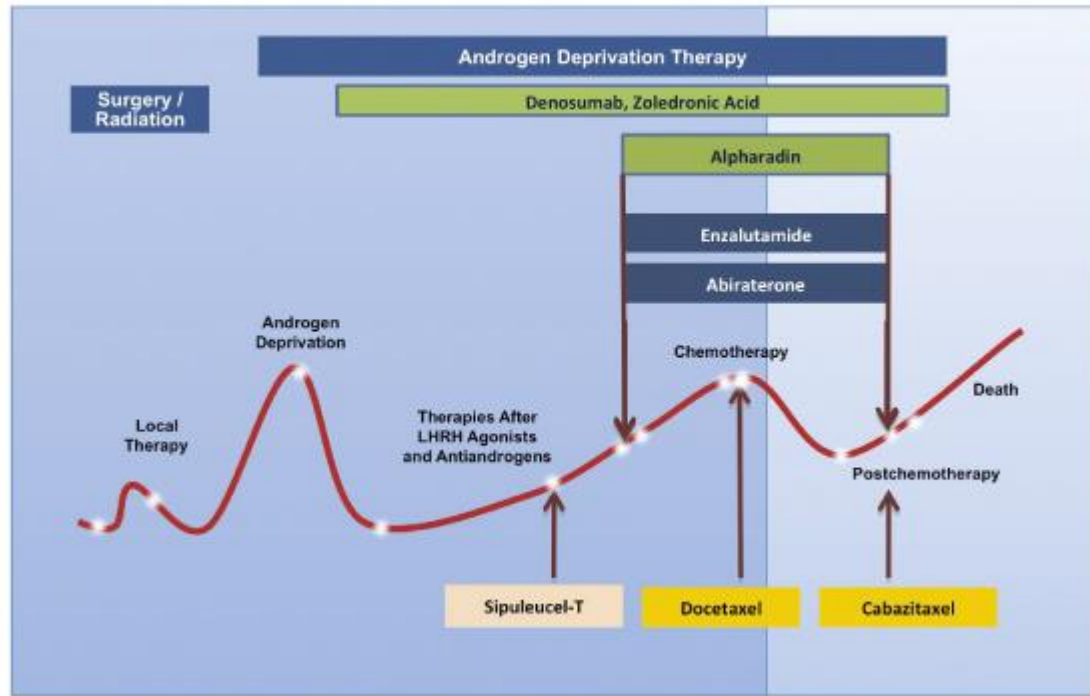
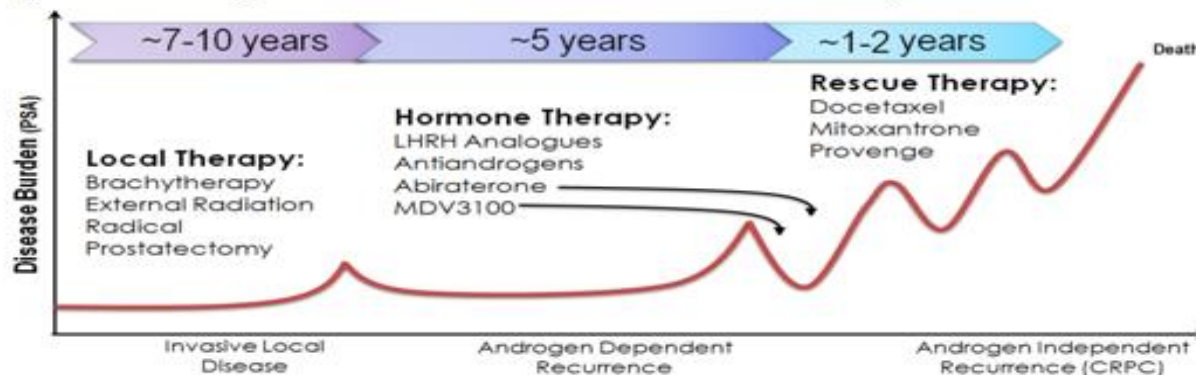
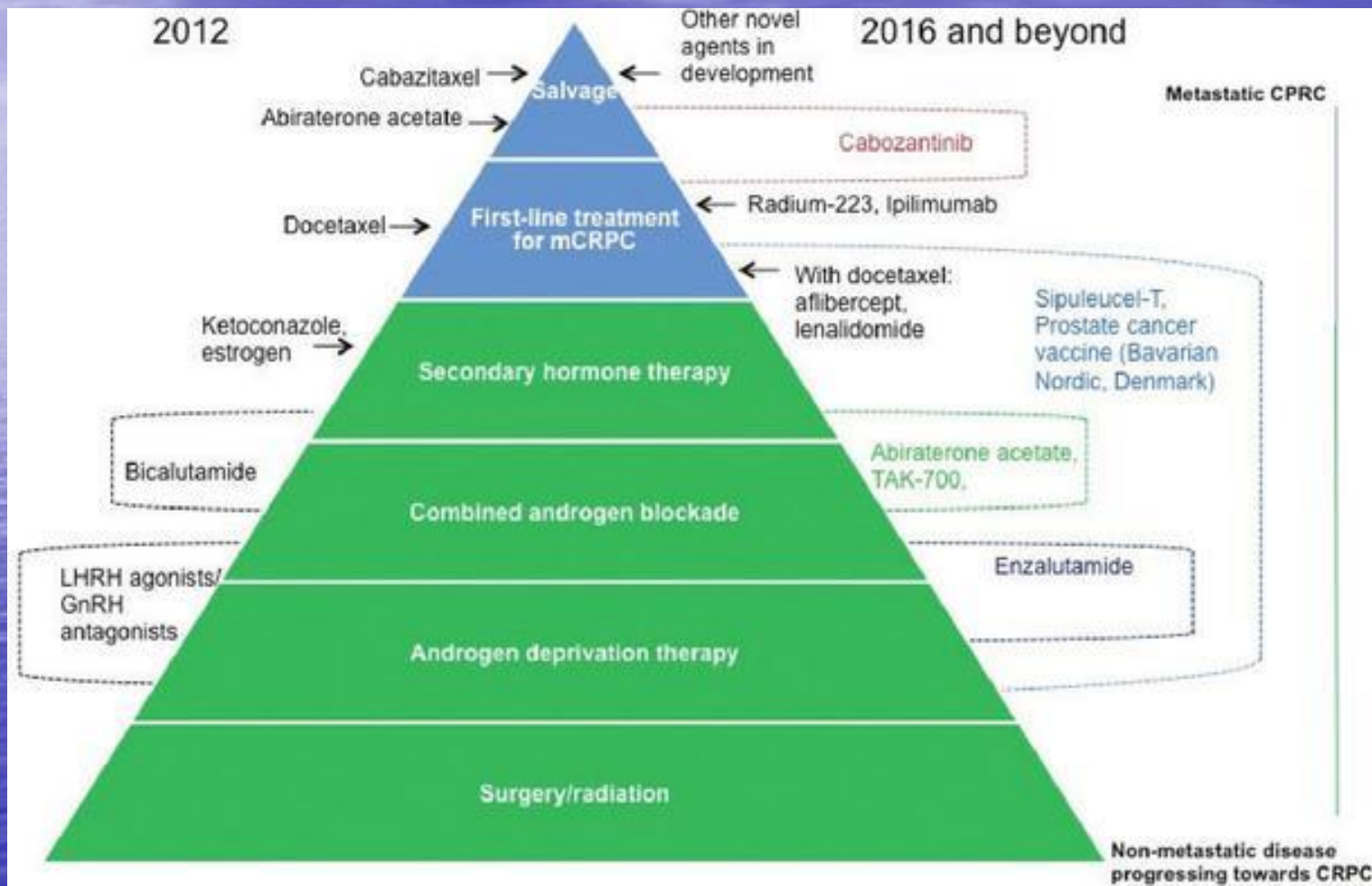
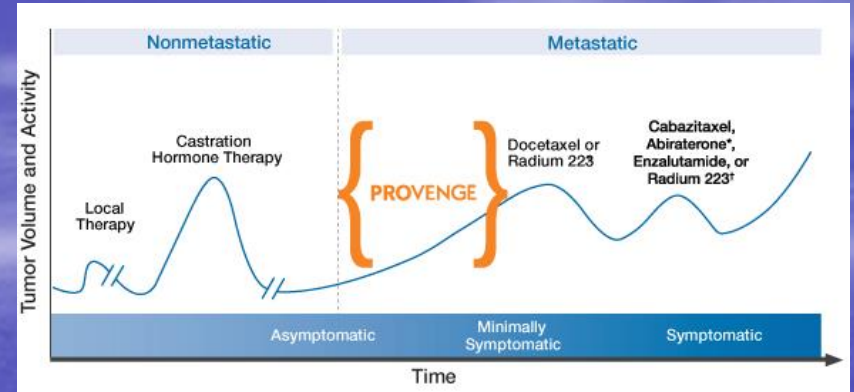
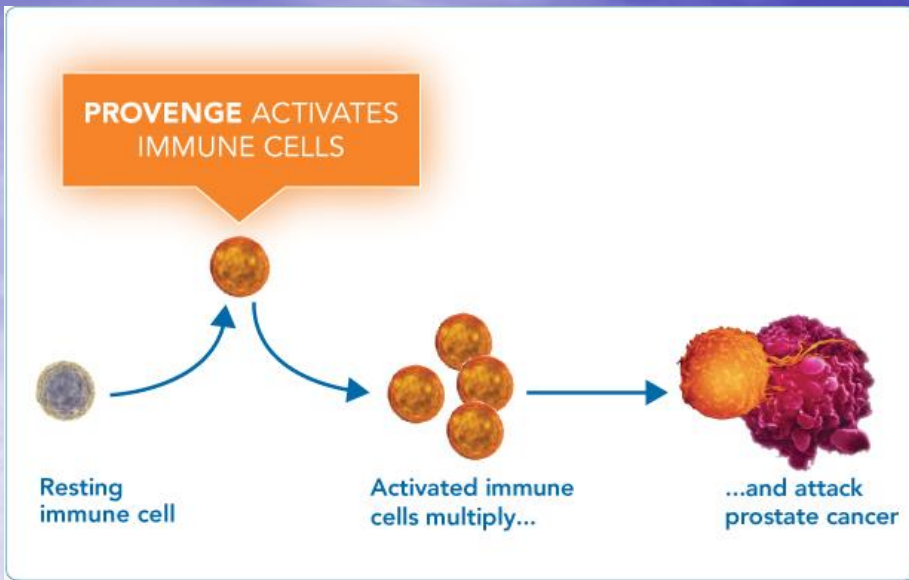


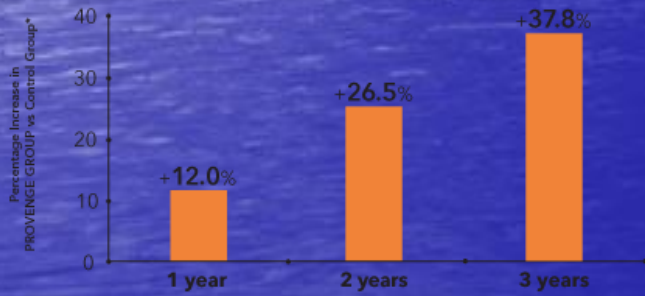
Figure 2 Typical Recurrent Prostate Cancer Outcome





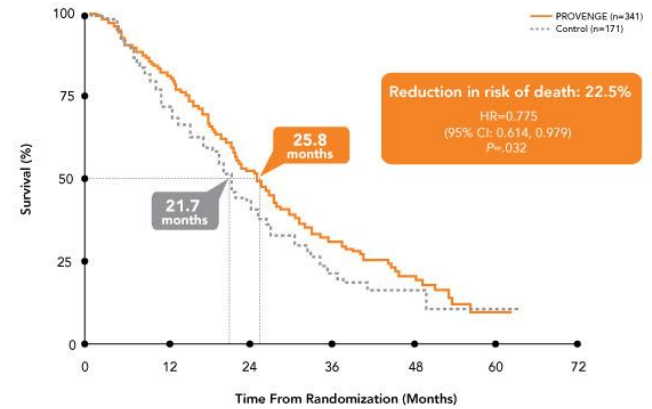


Overall Survival Benefit of PROVENGE



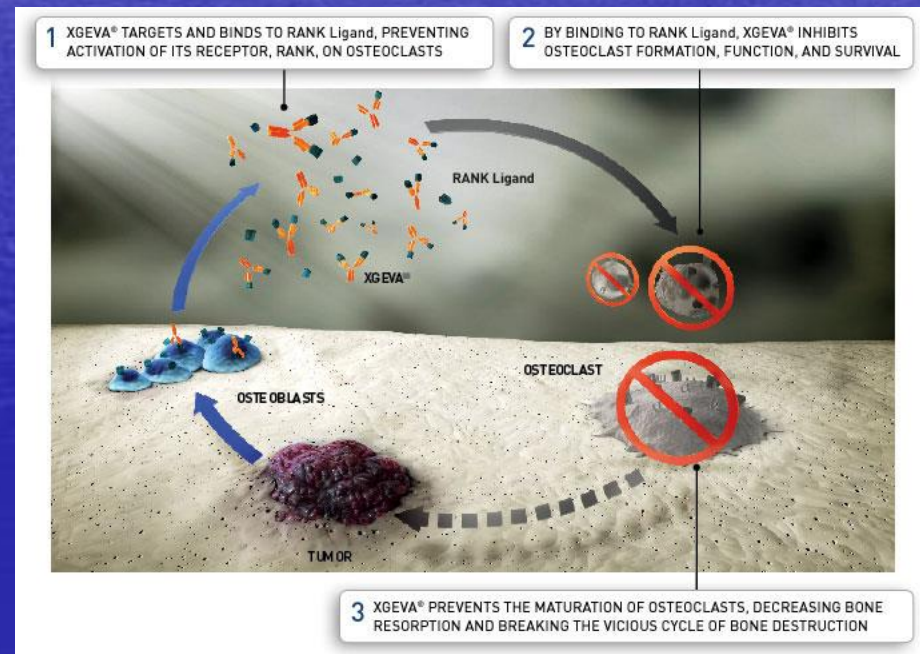
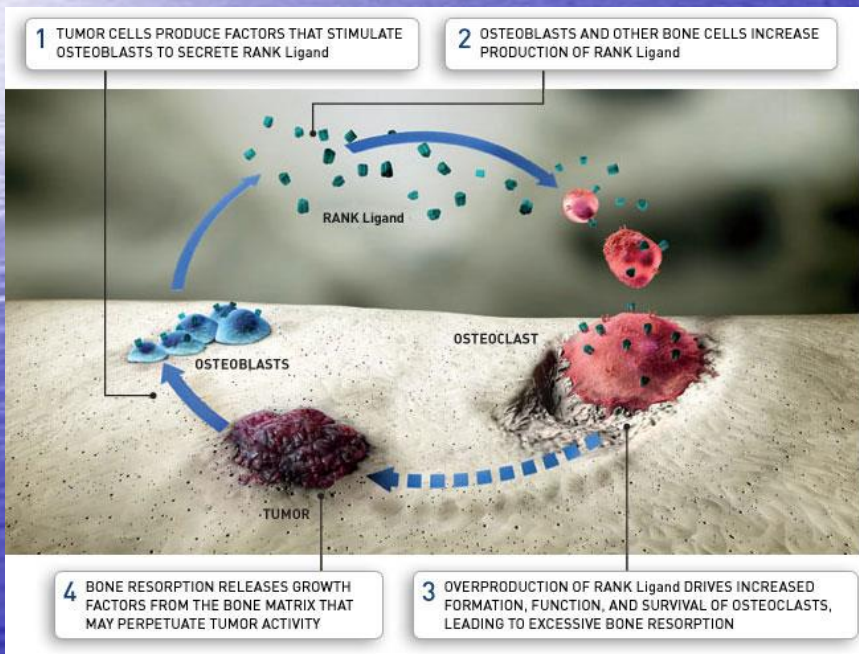
*Percent PROVENGE-percent control/percent control

Overall Survival^{1,2}



Data originally published in the *New England Journal of Medicine*: Kantoff PW, Higano CS, Shore ND, et al; for the IMPACT Study Investigators. Sipuleucel-T immunotherapy for castration-resistant prostate cancer. *N Engl J Med*. 2010;363:411-422.

DENOSUMAB





More Options Than Ever for Treatment of Metastatic CRPC Patients

Regimen	Approval Year	Improved Survival	Hazard Ratio
Docetaxel / pred ⁹	2004	2.9 months	0.79
Sipuleucel -T ¹⁰	2010	4.1 months	0.77
Cabazitaxel/pred ¹¹	2010	2.4 months	0.70
Abiraterone/pred ¹²	2011	4.6 months	0.74
Enzalutamide ¹³	2012	4.8 months	0.63
Radium 223 ¹⁴	2012	3.6 months	0.69
Total		22.4 months	

(For references, see text.)

KÖSZÖNÖM A
FIGYELMET!

