

Prostate Cancer Results Study Group 2014 – Results Comparing Treatment of Prostate Cancer

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About This Review Study

- 28,000+ prostate studies were published between 2000 and June 2013
- 1,127 of those studies featured treatment results
- 233 of those met the criteria to be included in this review study (*1st & 2nd group)
- Some treatment methods are underrepresented due to failure to meet criteria

Prostate Cancer Results Study Group

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Prostate Cancer Results Study Group

 Problem: Patients, physicians, and carriers need a simple, unbiased means to compare the cancer control rates of modern prostate cancer treatment methods

Prostate Cancer Results Study Group

- Expert Panel from key treating disciplines: Surgery, External Radiation, Internal (or Brachytherapy), High Frequency Ultrasound, and Proton Therapy
- Purpose: Comprehensive comparative review of the current literature on prostate cancer treatment

Criteria for Inclusion of Article*

- 1. Patients should be separated into Low, Intermediate, and High Risk
- 2. Success must be determined by PSA analysis
- 3. All treatment types considered: seeds (brachy), surgery (standard or robotic), IMRT (intensity-modulated radiation), HIFU (high-frequency ultrasound), CRYO (cryotherapy), protons, HDR (high-dose-rate brachytherapy)
- 4. Article must be in a peer-reviewed journal

Criteria for Inclusion of Article (Cont'd)

- Low-risk articles must have a minimum of 100 patients
- Intermediate-risk articles must have a minimum of 100 patients
- 7. High-risk articles, because of fewer patients, need only 50 patients to meet criteria
- 8. Patients must have been followed for a median of 5 years
- 9. For additional criteria information, contact lisa@prostatecancertc.com

^{*} Expert panel consensus



% Articles Meeting Criteria

	RP	EBRT/ IMRT	Cryo	Brachy/ HDR	Robot RP	Proton	HIFU
	9%	13%	5.4%	21%	5.3%	24%	8%
28	3/320	40/302	2/37	64/306	4/76	4/17	3/38

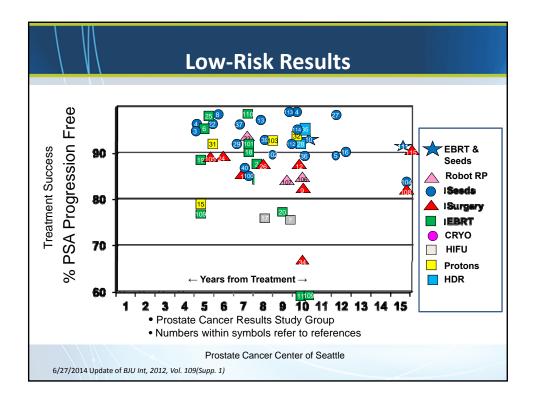
Total of 1,127 treatment articles. Some articles addressed several treatments and were counted as separate articles for each treatment. *A few articles evaluated other/minor treatments and are not listed here. These calculations only include primary accepted articles, and do not include secondary acceptance totals.

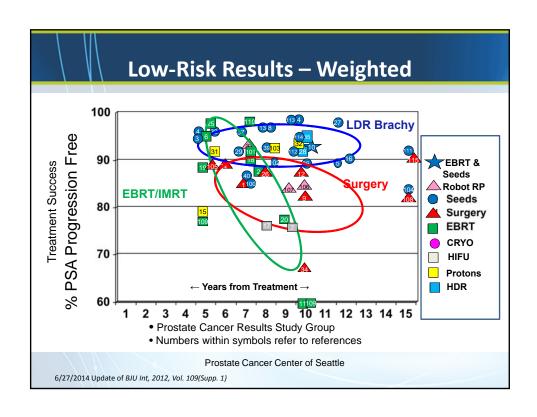
Low-Risk Group Definition

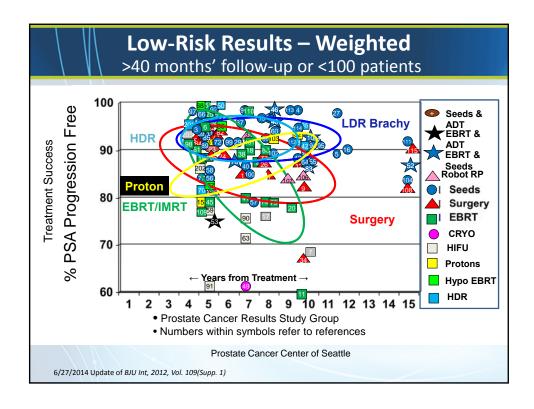
Clinical stage: T1 or T2a,b

• Gleason score: ≤6

• PSA: ≤10 ng/mL

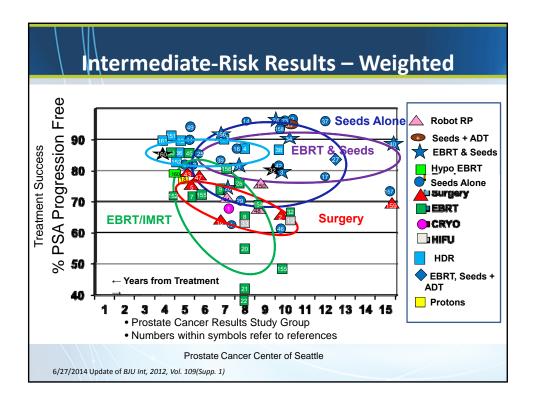


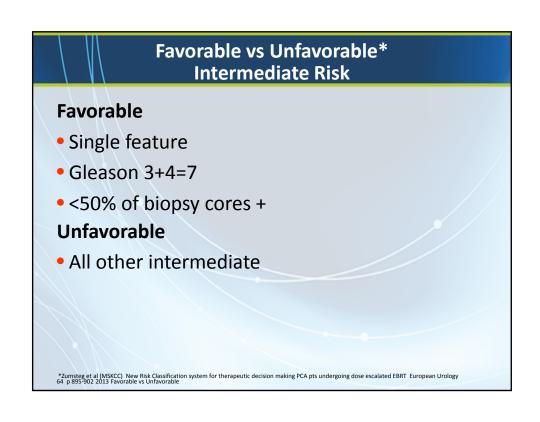


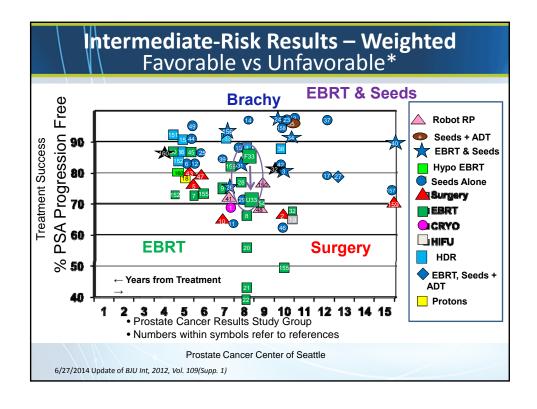


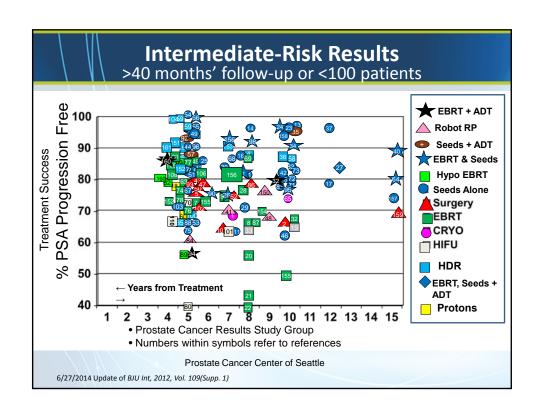
Intermediate-Risk Patient Definition

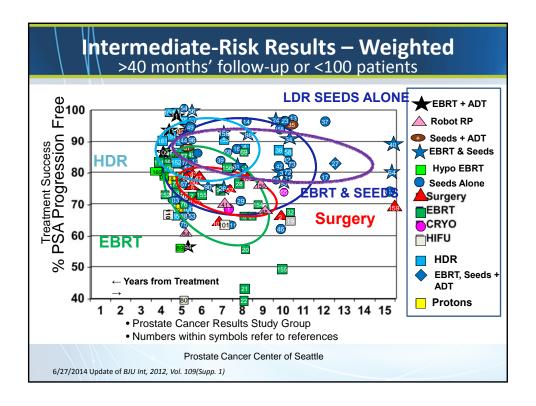
- Zelefsky definition
 - Only 1 factor
 - Clinical stage: T2c
 - Gleason score: >7
 - PSA: >10 ng/mL
- D'Amico definition
 - PSA 10-20 ng/mL, Gleason score 7, or Stage T2b



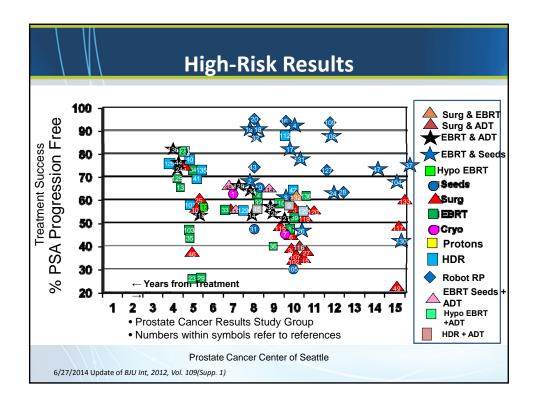


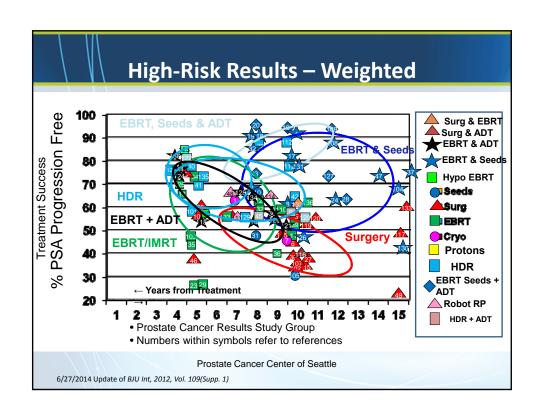


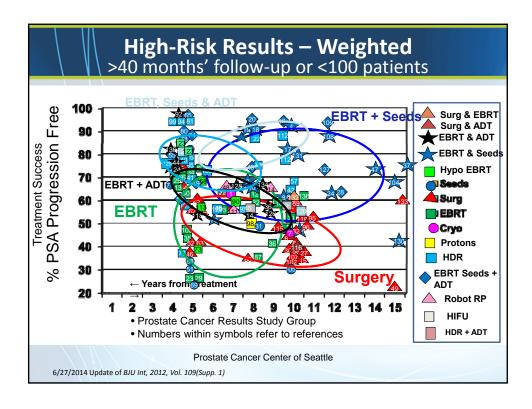




High-Risk Patient Definition Zelefsky definition 2 or more factors Gleason score: >7 PSA: 10-20 ng/mL Clinical stage: T1c-2b D'Amico Gleason score: 8-10 PSA: >20 ng/mL







Observations

- For most low-risk patients, most therapies will be successful
- There appears to be a higher cancer control success rate for brachytherapy over EBRT and surgery for all groups. Patients are encouraged to look at graphs and determine for themselves
- Serious side-effect rates must be considered for any treatment



For More Information/Slides

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Or contact PCRSG member
Prostate Cancer Center of Seattle website

www.Prostatecancertreatmentcenter.com