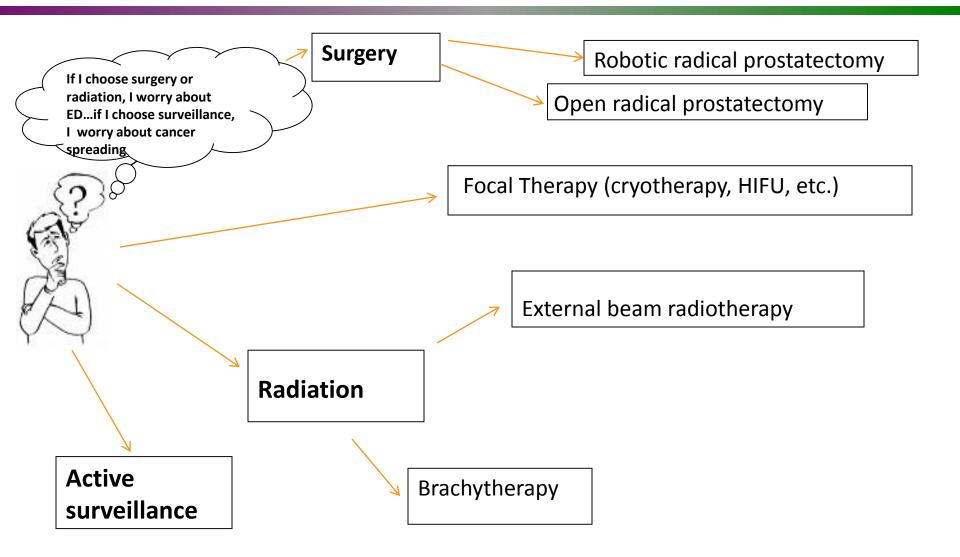
A Tale of Two Cancers or How Genomics Can Guide Treatment Decisions

Bela S. Denes, MD, FACS Genomic Health, Inc. Redwood City, CA

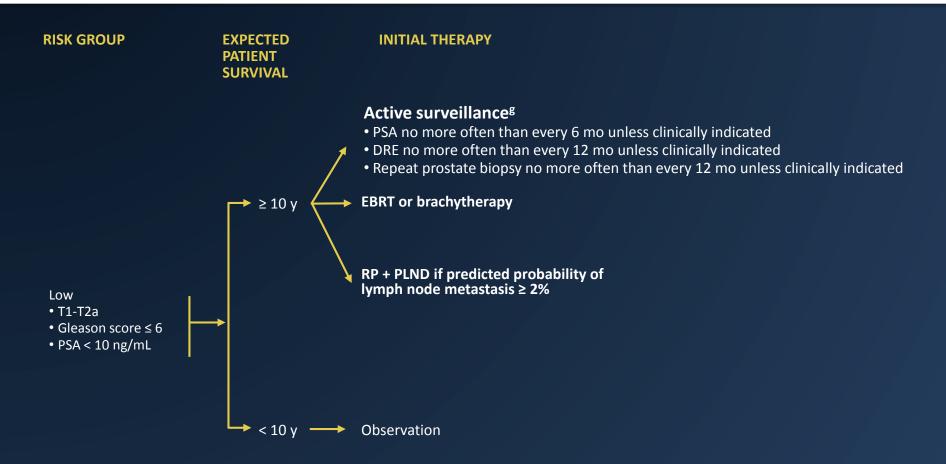




Decisions for a Man with Clinically Low Risk Prostate Cancer

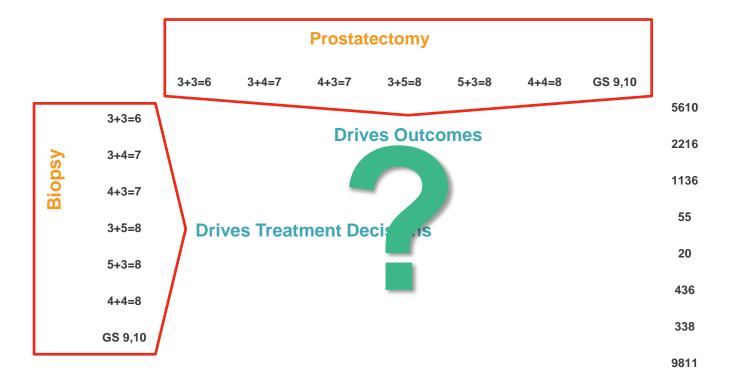


NCCN Guideline for Management of LOW RISK CaP



^gActive surveillance involves actively monitoring the course of disease with the expectation to intervene with potentially curative therapy if the cancer progresses. See Principles of Active Surveillance and Observation (PROS-C).

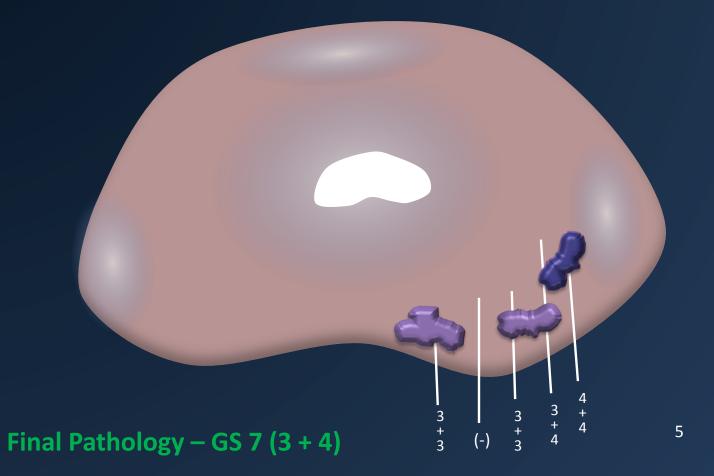
Why All the Confusion?????



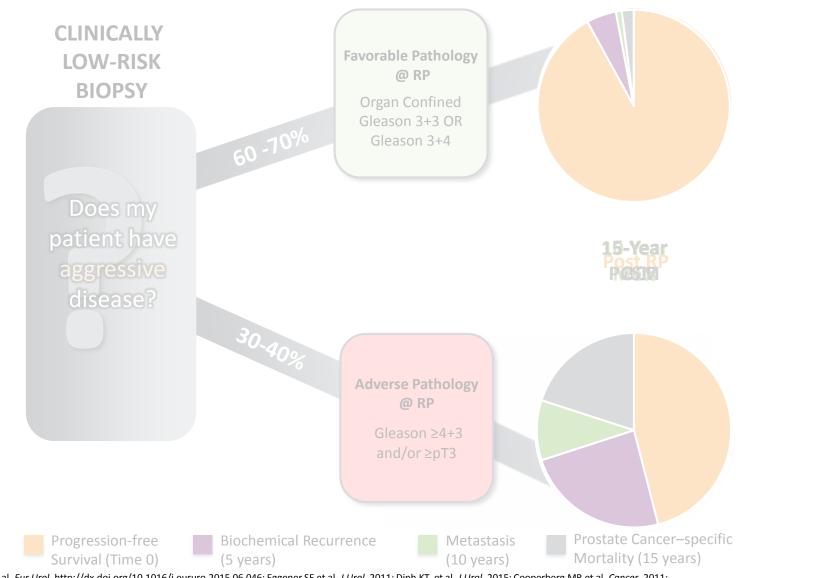
• Single Institution Experience (JHH) Matched Bx & RP 2004-2014; J. Epstein 9-13-15



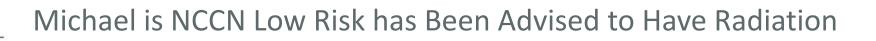
The Challenge of Random Biopsies



The Importance of Getting It Right



Epstein JI et al. *Eur Urol.* http://dx.doi.org/10.1016/j.eururo.2015.06.046; Eggener SE et al. *J Urol.* 2011; Dinh KT et al. *J Urol.* 2015; Cooperberg MR et al. *Cancer.* 2011; Tilki D et al. *J Urol.* 2015.



• PSA of 6.0

7

- PSAD of 0.30 ng/mL
- Prostate Volume of 20cc
- Biopsy revealed Gleason score 6 (3+3), 1/12 positive cores
- By NCCN[®] clinical factors alone he has NCCN[®] low-risk cancer and is interested in Active Surveillance
- His physician ordered GPS to assess the risk of occult higherrisk disease

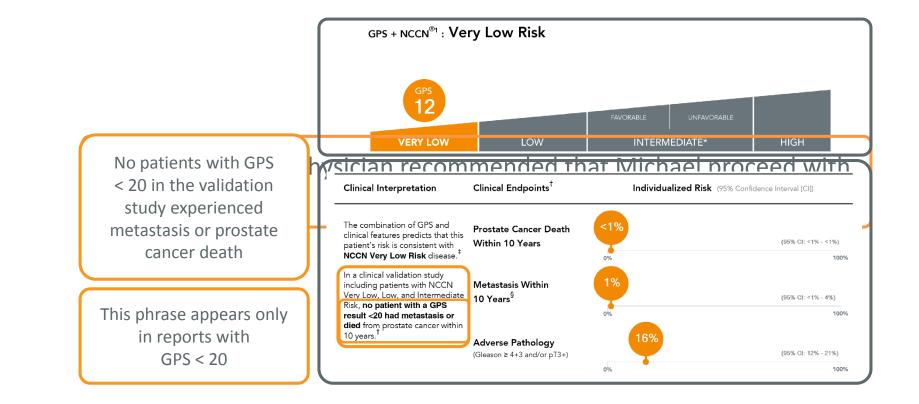
Patient names, images, and pathology photos are illustrative. American Society of Clinical Oncology (ASCO) and ASCO are registered trademarks of ASCO; National Comprehensive Cancer Network (NCCN) and NCCN are registered trademarks of NCCN. ASCO and NCCN do not endorse any product or therapy.



Michael 68-year-old healthy man; Positive family hx



Michael's Oncotype DX GPS Report



Oncotype DX^{*} Genomic Prostate Score

8

George is NCCN Risk and has Been Advised to Pursue Active Surveillance

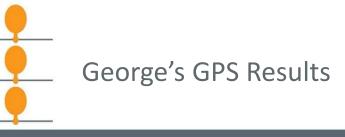
- PSA of 5.4
- PSAD of 0.18 ng/mL
- Prostate Volume of 30cc
- Biopsy revealed Gleason score 6 (3+3), 2/12 positive cores
- By NCCN[®] clinical factors alone he has NCCN[®] low-risk cancer and is not sure what to do next
- His physician ordered Oncotype DX GPS to assess the risk of occult higher-risk disease

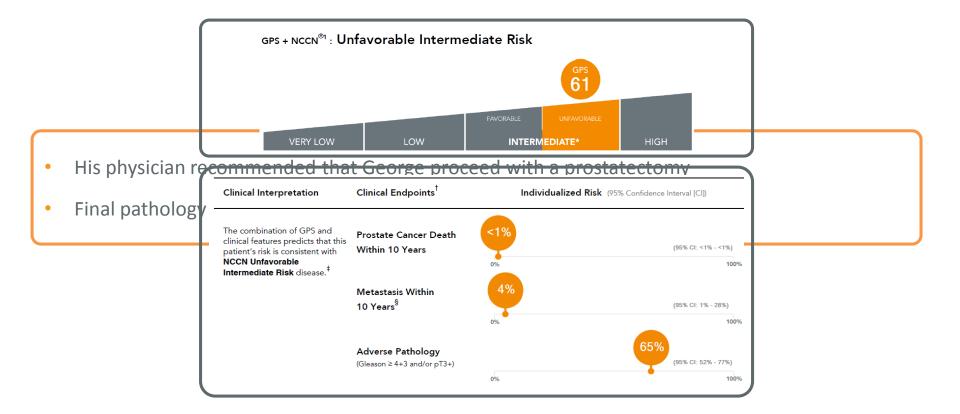


George 58-year-old healthy man; Negative family hx.

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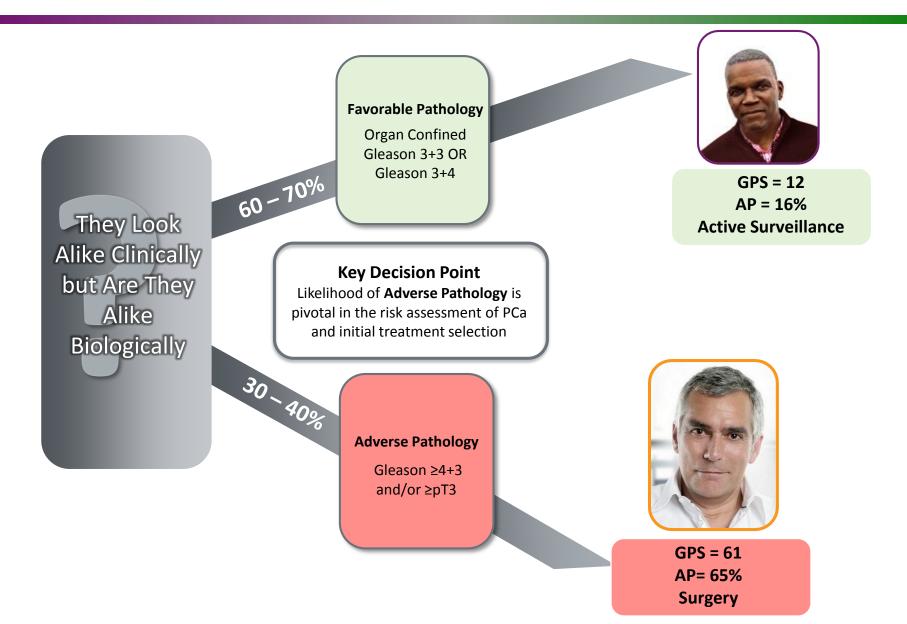




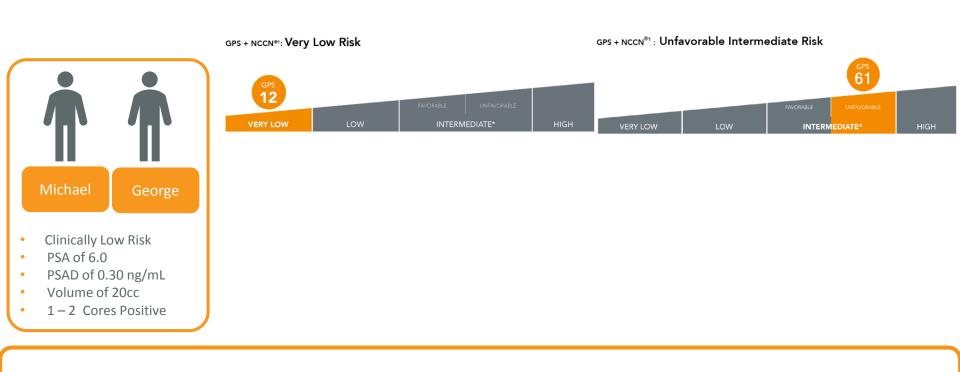




How Oncotype DX[®] GPS Can Help Decision Making



Endpoints Driving Treatment decisions



GPS CAN HELP GUIDE TREATMENT DECISIONS BASED ON CANCER BIOLOGY





Gleason Score accurately stages CaP



Thank You

bdenes@genomichealth.com

