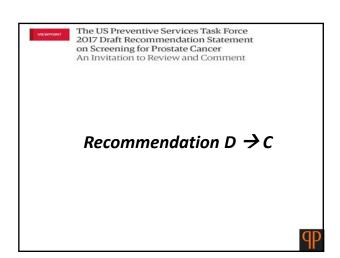
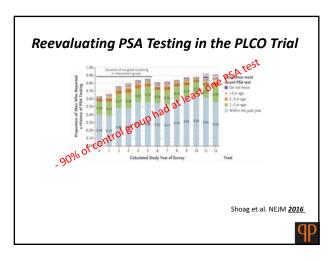


Men at risk of prostate cancer a) «The wind has changed» :USPSTF b) Screening: When to start c) Opportunistic is inferior to organized screening d) PSA Fine tuning: Control intervals g) Biopsies: How to proceed





......already in 2012

The lack of screening benefit in PLCO was very early unmasked by......

missing an expected pathological stage shift in RP specimen from the control to the screening group

Eur Urol. M. Kwiatkowski/F. Recker 2012

Annals of Internal Medicine

Reconciling the Effects of Screening on Prostate Cancer Mortality in the ERSPC and PLCO Trials

Mortality reduction 11 years FU

Screening

No Screening

ERSPC

25-30 % (first pass effect) ↓ 0

PCLO

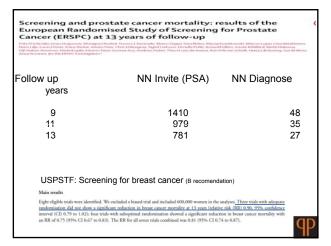
27-32 % (due to prescreening) ↑ 0

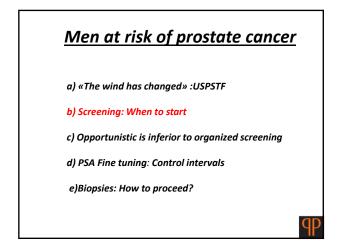
No longer the question whether screening makes sence But: → HOW TO SCREEN

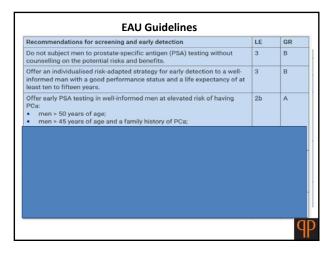
Tsodikov et al.; Annals of Internal Medicine 2017

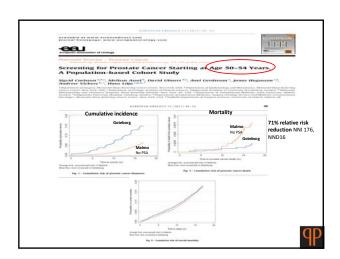
Vickers A., Annals of Internal Medicine 2017

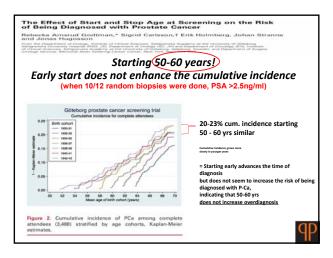




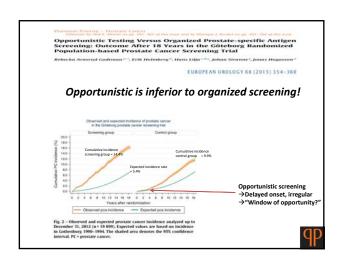


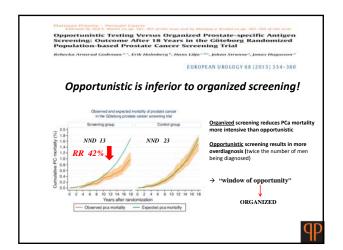


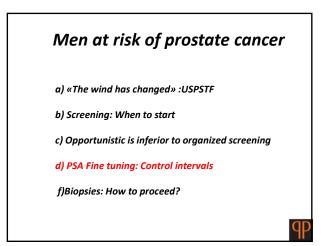


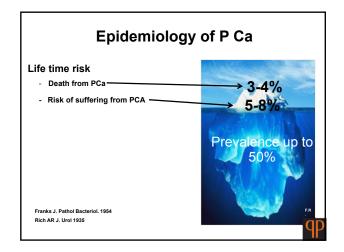


Men at risk of prostate cancer a) «The wind has changed» :USPSTF b) Screening: When to start c) Opportunistic is inferior to organized screening d) PSA Fine tuning: Control intervals e) Screening: When to stop f)Biopsies: How to proceed?

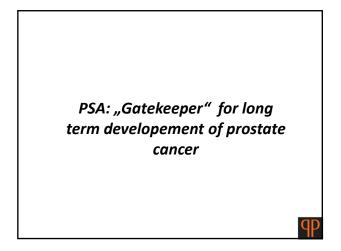


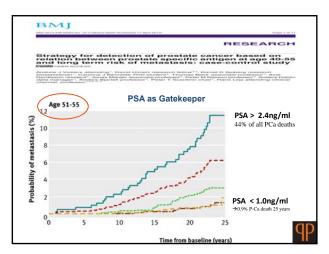


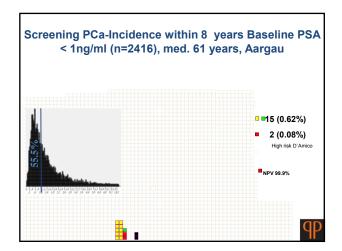


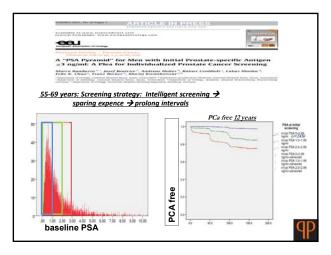






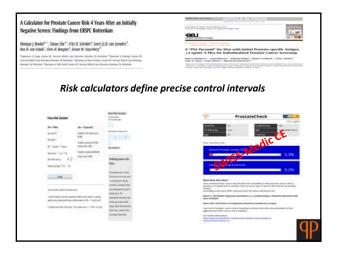


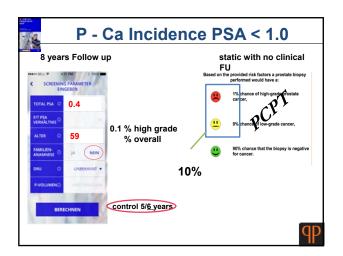




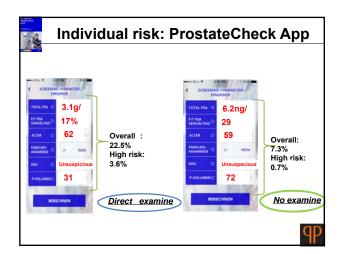
Individualising of control intervals How often testing at which risk? Prognostic Calculators

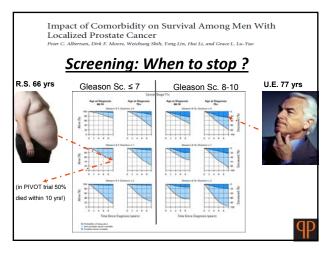






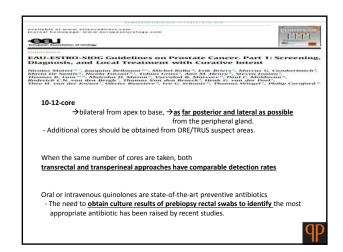


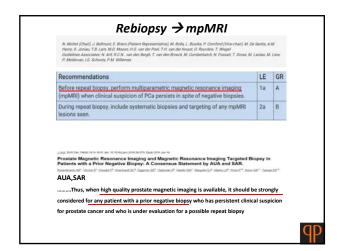


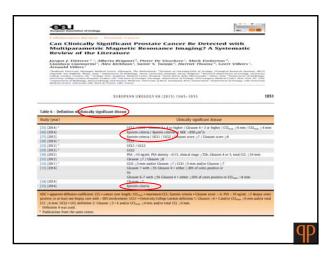


Biopsies: How to proceed?

→ mp MRI considerations prebiopy (personal)







Pathologic and Clinical Findings to Predict Tumor Extent of Nonpalpable (Stage T1 c) Prostate Cancer

Anushun I. Epidem, MD, Parick C, Waldh, MD, Marind Carmichael, et.all

CAVE: OVERSIAGNOSIS!

Insignificant PCa

- PSA density < 0.15 ng/m/cc

- Core involvement <50%

- Max. 2 cores involved

- <=GI 3+3=6

Targeted biopsies

Targeted biopsies

Application of the New Arrange Stables of Banders

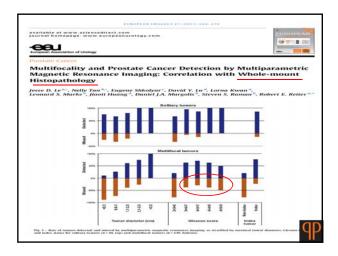
Significant

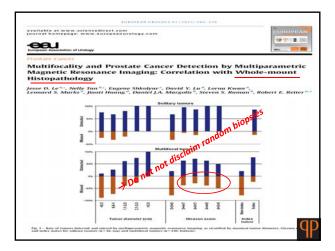
A supplingment of the New Arrange Stables of Banders

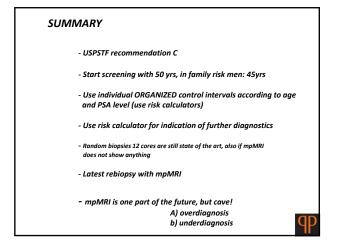
Significant

Epstein Ji et al., JAMA 1994,

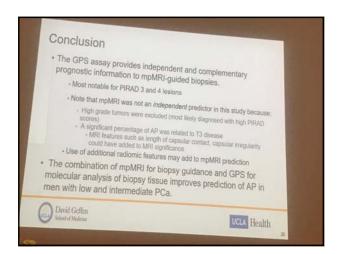
Characteristics of Detected and Missed Prostate Cancer Foci on 3-T Multiparametric MRI Using an Endorectal Coil Correlated With Whole-Mount Thin-Section Histopathology Nelly Tan, Daniel J. Margolis, David Y. Lu, Kevin G. King, Jiaoti Huang, Robert E. Reiter, Margolis, David Y. Lu, Kevin G. King, Jiaoti Huang, Robert E. Reiter, Margolis, David Y. Lu, Kevin G. King, Jiaoti Huang, Robert E. Reiter, Margolis, David Y. Lu, Kevin G. King, Jiaoti Huang, Robert E. Reiter, Margolis, Pobert E. Reiter, Margolis, David Y. Lu, Kevin G. King, Jiaoti Huang, Robert E. Reiter, Margolis, Jiaoti Huang, Robert E. Reiter, Jiaoti Huang, Robert E. Reiter, American Margolis, Jiaoti Huang, Robert E. Reiter, Jiaoti Huang, Robert E. Re

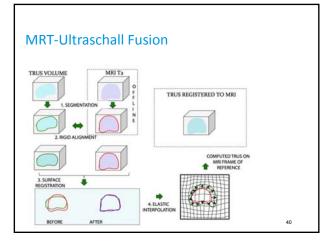




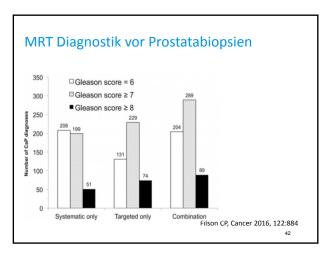














PHI <24: - Avoids 24-36% benign biopsy - Avoids 17-24% biopsy in men with low risk Pca - Miss 4 % significant/aggressive PCA De la Calle J Urol,2015

