















| At wh neede | nich initial PS ed? | A is rescr | een (not) | Er | asmus MC Carlung | |
|--|-----------------------------------|--------------------------|---------------------------------------|---------------------------------------|--------------------------------|--|
| PLC0 | D: Crawford et al, J Uro | l. 2006 Apr;175(4 |):1286-90 | | | |
| ERSPC: Roobol et al, Prostate. 2006 May 1;66(6):604-12 | | | | | | |
| Biops | sy indication PSA | 4.0 PLCO, | PSA>3.0 ER | SPC | | |
| | N First-second- third round | Follow-up years | Number Pca when initial PSA 0-1 | Number Pca when initial PSA 1-2 | Pca when initial PSA 2-3 | |
| PLCO | 30.495 | Annual to 5 | 8 (0.2 %) (1.5 % conv) | 15 (0.5%) (7.4 % conv) | 20 (0.6 %) (33 % conv) | |
| ERSPC | 1703-1362-1311 | 0-4-8 | 0 | 3 (0.23 %) | 5 (0.29 %) | |
| No | rescreen in 5 (36 % of p | years nee opulation a | ded when F aged 55-74 | PSA < 1) | | |

























| Score chart for the prediction of indolent prostate cancer (Steyerberg et al 2007) | | | | | | |
|---|--------|-------|------------------------|--------|-------|-----|
| Variable | Values | Score | Variable | Values | Score | Sum |
| Serum PSA (ng/mL) | 20 | 0 | Biopsy Gleason | 3+3 | 0 | |
| | 13 | 2 | Scores 1 and 2 | 2+3 | 1 | |
| | 9.0 | 4 | | 2+2 | 4 | |
| | 6.0 | 6 | | | | |
| | 5.0 | 7 | mm cancerous | 20 | 0 | |
| | 4.0 | 8 | tissue (total | 10 | 2 | |
| | | 9 | over biopsy cores) | 8 | | |
| | 2.2 | 11 | | 4 | 5 | |
| | 1.0 | 15 | | | | |
| Ultrasound volume (cc) | 20 | 0 | | | | |
| | 40 | 2 | mm non-cancerous | 40 | 0 | |
| | | | tissue (total over | 60 | | |
| | 80 | 6 | biopsy cores) | | | |
| | | | Score (sum all scores) | | | |

| Pro im dif | oportions of immediate ver portant (N=142) and indole ferent score cut-offs (total | rsus delayed treatm ent (N=136) PC using N=278). ERSPC | ent for Erasmus MC |
|------------------|--|--|---------------------|
| | Treatment | Important | Indolent PC |
| | (T x) | PC – treated N (%) | Tx delayed N (%) |
| | No tx if probability indolent >30% (score >=15) | 50/142 (35) | 126/136 (93) |
| | No tx if probability indolent > 60% (score > 20) | 120/142 (85) | 62/136 (46) |
| | No tx if probability indolent > 70% (score > 21) | 133/142 (94) | 43/136 (32) |





| Risk assess Men want to | ment know their risks | Erasmus MC Erafung |
|------------------------------|---|-----------------------|
| | | |
| Level 1: | Man age 55 – 74: do I need to screen? | |
| Level 2: | PSA known: shall I visit a urologist? | |
| Level 3: | Levels 1+2, DRE, TRUS, and prostate v do I need a biopsy? POSTER 287 | olume known: |
| Level 4: | PSA less than 4: do I need a second scr | reen? |
| Level 5: | first biopsy negative: do I need another I | piopsy? |
| Level 6: | Biopsy result known: do I need a therapy | y? |
| Level 7: | in case of cancer: what is my risk to get | metastases? |
| Level 8: | what is my risk of dying from Pca? (= ou | tcome ERSPC) |
| | | |













| Active surve towards me | eillance mi tastasis | sses son | ne progressio | on < | Erasmus MC Carfuns |
|---|---|------------------------|--|--|--|
| Study, number of participants, mean follow-up time | Survival percentage over follow-up time | Metastases analysed | Percentage of pT3 in case of radical prostatectomy | Percentage of men with PSADT > 10 years | Conversion to invasive therapy |
| Klotz 2006 N = 299 8 years | 99.3 % Pca specific | 2/299 % (N+) | 58 % (14/24) | 42 % | 35 % |
| Parker 2005 N = 80 3.5 years | 100 % Pca specific, 94 % overall | - | 50% (1/2) | 45 % | 20 % |
| Carter 2007 N = 405 2.8 years (range 0.4 – 12.5) | 98 % overall | 0.5 % (2) | 20 % (10/49) | - | 25 % after 2.2 years (PSADT no trigger) |
| Roemeling 2007 N = 278 3.4 years | 100 % Pca specific, 90 % overall | - | 1/13 (8%) | 44 % | 29 % after 2.5 years |
| Soloway 2008 N = 157 4 years | 100% Pca specific | 0 % | 0/2 (0%) | Mean 13.1 years in no treatment group, 3.6 in treatment group | 8 % |

















Now we have shoulders to stand on: what should we do?



- Get Pca screening on the EU agenda of the new commissioners
- Make Prostate health a European demand equal over all countries
- Get marker research supported (ERSPC, PRIAS, PROCABIO)
- Organise axis of strength in centres of excellence
- Role for Europa Uomo

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