#### L 926J

nıtrasound.

## 2 926 2

- capsule perforation, positive surgical margins, invasion of seminal had NoMo tumours and one or more pathological risk factors: λ. Patients were recruited post radical retropubic prostatectomy who
- irradiation delivered over six weeks). The primary endpoint was Patients were randomly assigned to a wait-and-see policy or vesicles.

biochemical progression-tree survival.

are at high risk of progression. patients with positive surgical margins or pT3 prostate cancer who improves biochemical progression-free survival and local control in immediate external irradiation after radical prostatectomy significantly lower in the irradiated group (p<0.0001). Therefore, curve tate of locoregional failure was (9000-0=q). The cumulative rate of locoregional failure Clinical progression-free survival was also significantly improved (۲4.0%، 98% CI 68.7-79.3 vs. 52.6%, 46.6-58.5; p<0.000). דרפפ גערעועגע אגג גוצחודוכגחלוא והערטעפל וח לאפ ורוגלוגלפל צרסעף 3. After a median follow-up of five years, biochemical progression-

# Answers

- 3. Summarise the results?
- primary endpoint?
- 2. What were they randomised to receive and what was the

- 1. Which patients were included in this study?



upper tract tumour?

Bolla M, et al. Postoperative radiotherapy after radical prostatectomy: a randomized controlled trial (EORTC trial 22911). The Lancet 2005;366(9485):572-8.



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three cases were identified on IVU after a normal

4. In this study there were 73 upper tract tumours, of which

αιειυςτιου ιυ ειδυιτιςσυςς ρετωσευ μου-μαθμοιλεσα απα

haematuria should be considered negative. I here is no

hesitancy, frequency, urgency, dysuria; asymptomatic

symptoms include lower urinary tract symptoms (LUTS):

.%8.4 gniad situtsmash aldisiv-non bns %9.81 gniad

Overall prevalence was 12.1%, with visible haematuria.

haemolysed dipstick-positive haematuria.

One + or greater is classified as significant. Trace

 – (HVN-z) sinutsmessed sldiziv-non sitsmotymyZ haematuria. This is further sub-divided as follows:

to as 'microscopic haematuria' or 'dipstick positive

Non-visible haematuria (NVH): otherwise referred

л. Visible haematuria (VH): urine is coloured pink or red.

non-visible haematuria (a-HVN).

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SECTION EDITOR

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- Randomised Screening for Prostate Cancer Trial? 5. What were the results of this trial?
- 4. What were the basics of trial design in the European
- 3. Why have these results been criticised?
- Prostate, Lung, Colorectal Ovarian (PLCO) trial? 2. What were the results of the trial?
- 1. What were the basics of trial design in the North American



Schröder FH, et al. Screening and prostatecancer mortality in a randomized European

study. NEJM 2009;360(13):1320-8.

NEJM 2009;360(13):1310-19.



Andriole GL, et al. Mortality results from a



randomized prostate cancer screening trial.

These two landmark articles, examining the effects of prostate cancer screening on reduced prostate cancer related death rates

# 

Clinical Trials 2 – key papers

## Case 1

This British study on haematuria clinic diagnostic yield was published in the British Journal of Urology International in 2006. The results are often asked in examinations!

1. According to the 'Joint consensus on the initial assessment of

2. On urine dipstick testing, what is classified as abnormal?

patients presenting with haematuria in the Edwards et al.

4. How reliable is an ultrasound of the renal tract in detecting an

3. What is the overall prevalence of malignant disease for

This paper was published in The Lancet in 2005. It was a randomised clinical trial examining the role of postoperative radiotherapy after radical prostatectomy. Definitely one to know!

haematuria' by the Renal Association and BAUS in 2008, how



paper?

Case 2

should we classify haematuria?

Edwards TJ, et al. A prospective analysis of the diagnostic yield resulting from the attendance of 4020 patients at a protocol-driven haematuria clinic. BJUI 2006;97(2):301-5.

# Case 3

were published in 2009 in the New England Journal of Medicine.

# Answers - continued

#### Case 3

- 76,693 men, between the ages 55-74, were randomised to either annual prostate specific antigen (PSA) screening tests for six years and rectal exam or usual care as the control. Published follow-up was at 7-10 years' post randomisation. Primary outcome measure was prostate cancer specific mortality.
- 2. There were 2820 cancers in the screened group and 2322 in the control group (rate ratio 1.22, 95% Cl 1.16 to 1.29). Incidence of prostate cancer death was 50 in the screened group and 44 in the control group (rate ratio 1.13, 95% Cl 0.75-1.70). In conclusion at 7-10 years' follow-up there was no significant difference between the study groups.
- High level of contamination in the control group due to 'PSA contamination'. Follow-up was only 7-10 years, whereas prostate cancer related deaths may occur much later.

- 4. 182,000 men, between the ages 50-74, were randomised to PSA screening once every four years or a no screening group. The primary outcome measure was prostate cancer specific mortality.
- 5. Median follow-up of nine years, prostate cancer incidence was 8.2% in the screened group and 4.8% in the control group. The rate ratio for death in the screened group was 0.80, 95% CI 0.65-0.98. This meant that 1410 men would need to be screened and 48 additional cases of prostate cancer would need to be treated to prevent one death. Therefore, PSA based screening reduced the rate of prostate cancer related death by 20%.