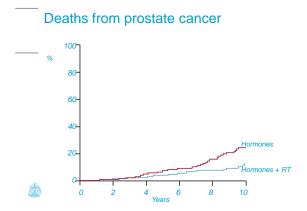


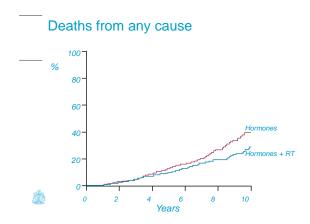


		Grade <u>></u> 3		
	Diarrhoea			
	Hormones alone	0.7%		
	Hormones + RT	1.3%		
	Rectal Bleeding			
	Hormones alone	0.5%		
	Hormones + RT	0.3%		
	Urinary			
	Hormones alone	2.3%		
虝	Hormones + RT	2.3%		



		Grade <u>></u> 3
Ere	ctile dysfunction	
	Hormones alone	48%
I	Hormones + RT	53%
Βον	vel symptoms	
I	Hormones alone	1%
I	Hormones + RT	3%
Urinary incontinence		
I	Hormones alone	3%
	Hormones + RT	5%





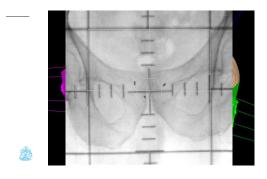
Locally advanced prostate cancer: take home message

- RT + hormones is more effective than RT alone
 - We now know that RT + hormones is better than hormones alone

Hormone therapy + RT is now standard

虝

Radiotherapy is getting better!



Fre	Freedom from metastasis		Overall survival		
			1.0		
			0.7		
			5		-0
		_	0		
2	Standard Dose Esc (64 Gy) (740	alated Dose Sy)	0.2	Standard Dose (64 Gy)	Escalated Dose (74Gy)
H			0.0 -		
0	2 4 6 8 time from randomisation (years)	1 1 0 2	0 0	2 4 6 8 time from randomisation (vears)	1
	74Gy is	no be	tter th	an 64Gy!	

Dose of radiotherapy

Do Patients With Localized Prostate Cancer Treatment Really Want More Aggressive Treatment?

Julia J. van Tol-Geerdink, Peep F.M. Stalmeier, Emile N.J.T. van Lin, Eric C. Schimmel, Henk Huizenga, Wim A.J. van Daal, and Jan-Willem Leer

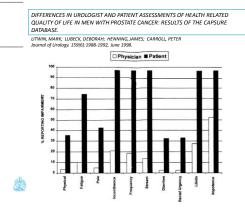
- 150 patients, offered choice of 70Gy or 74Gy
- 75% chose the lower dose
- "many patients attach more weight to quality of life..than to improving survival"
- "patients should be involved in radiation decision-making"

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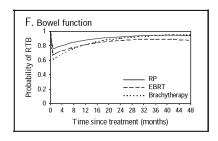
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JOURNAL OF CLINICAL ONCOLOGY



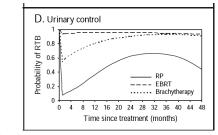
Survivorship Beyond Convalescence: 48-Month Quality-of-Life Outcomes After Treatment for Localized Prostate Cancer

John L. Gore, Lorna Kwan, Steve P. Lee, Robert E. Reiter, Mark S. Litwin



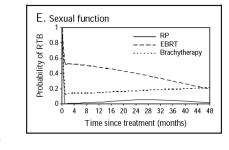
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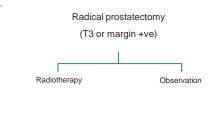




Post-operative radiotherapy: what we already knew

- In other types of cancer, surgery is routinely followed by RT
- Standard practice after radical prostatectomy is observation

SWOG 8794: Study Scheme



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Late Toxicity

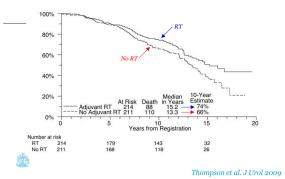
_	RT	Observation
Urinary incontinence	6.5%	2.8%
Urethral stricture	17.8%	9.5%
Rectal complications	3.3%	0%

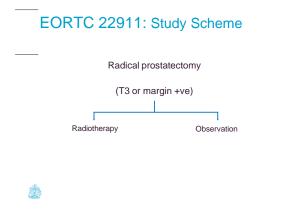
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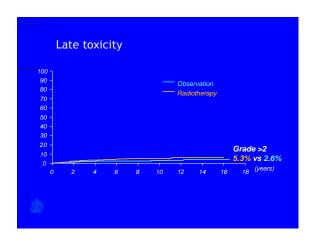
Thompson et al. JAMA 2007

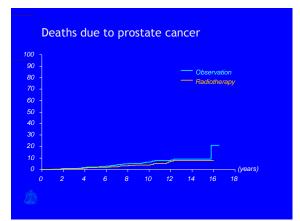
Deaths from any cause

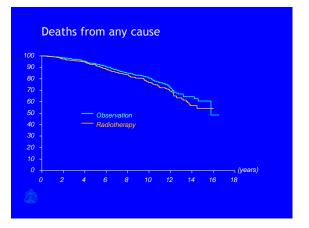
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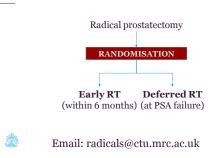


Post-operative radiotherapy: take home message

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- In other types of cancer, surgery is routinely followed by radiotherapy
- In prostate cancer, we still don't know whether to follow surgery with radiotherapy
- RADICALS trial is now trying to answer this question

RADICALS-RT



Recruitment Aids



Email: radicals@ctu.mrc.ac.uk



Prostate cancer radiotherapy

- Primary radiotherapy

- MRC PR07
- SPCG7
- MRC RT01

- Post-operative radiotherapy

- SWOG 8794
- EORTC 22911
- RADICALS

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