

Quality of life outcomes after primary treatment for clinically localised prostate cancer: A systematic review

LARDAS, Michael, LIEW, Matthew, VAN DEN BERGH, Roderick C., DE SANTIS, Maria, BELLMUNT, Joaquim, VAN DEN BROECK, Thomas, CORNFORD, Philip, CUMBERBATCH, Marcus G., FOSSATI, Nicola, GROSA, Tobias, HENRY, Ann M., BOLLA, Michel, BRIERS, Erik, JONIAU, Steven, LAM, Thomas B., MASON, Malcolm D., MOTTET, Nicolas, VAN DER POEL, Henk G., ROUVIÈRE, Olivier, SCHOOTS, Ivo G., WIEGEL, Thomas, WILLEMSE, Peter-Paul M., YUAN, Cathy Yuhong and BOURKE, Liam <<http://orcid.org/0000-0002-6548-4603>>

Available from Sheffield Hallam University Research Archive (SHURA) at:

<http://shura.shu.ac.uk/16531/>

This document is the author deposited version. You are advised to consult the publisher's version if you wish to cite from it.

Published version

LARDAS, Michael, LIEW, Matthew, VAN DEN BERGH, Roderick C., DE SANTIS, Maria, BELLMUNT, Joaquim, VAN DEN BROECK, Thomas, CORNFORD, Philip, CUMBERBATCH, Marcus G., FOSSATI, Nicola, GROSA, Tobias, HENRY, Ann M., BOLLA, Michel, BRIERS, Erik, JONIAU, Steven, LAM, Thomas B., MASON, Malcolm D., MOTTET, Nicolas, VAN DER POEL, Henk G., ROUVIÈRE, Olivier, SCHOOTS, Ivo G., WIEGEL, Thomas, WILLEMSE, Peter-Paul M., YUAN, Cathy Yuhong and BOURKE, Liam (2017). Quality of life outcomes after primary treatment for clinically localised prostate cancer: A systematic review. *European Urology*, 72 (6), 869-885.

Copyright and re-use policy

See <http://shura.shu.ac.uk/information.html>

Author, year, follow-up	Intervention	N at baseline	PROM used	Reported results (table presents latest follow up data of each study)										
				Studies that report change in QoL score BETWEEN groups										
Crook 2011 [11] (62.4 months)	Radical prostatectomy	66	EPIC	Urinary summary	Bowel summary	Sexual summary	Hormonal summary							
	Brachytherapy	102		Urinary Summary	Bowel summary	Sexual summary	Hormonal summary							
Donovan 2016 [12] (60 months for QLQ-C30, 72 months for EPIC)	Active monitoring	545	QLQ-C30	Cognitive functioning	Emotional functioning	Physical functioning	Role functioning	Social functioning	Global health/QOL					
	Radical prostatectomy	553		Cognitive functioning	Emotional functioning	Physical functioning	Role functioning	Social functioning	Global health/QOL					
	EBRT	545		Cognitive functioning	Emotional functioning	Physical functioning	Role functioning	Social functioning	Global health/QOL					
	Active monitoring	545	EPIC	Urinary incontinence*	Urinary summary	Urinary bother	Urinary obstruction-irritative*	Sexual summary	Sexual function	Sexual bother	Bowel summary	Bowel function	Bowel bother	
	Radical prostatectomy	553		Urinary incontinence*	Urinary summary	Urinary bother	Urinary obstruction-irritative*	Sexual summary	Sexual function	Sexual bother	Bowel summary	Bowel function	Bowel bother	
	EBRT	545		Urinary incontinence*	Urinary summary	Urinary bother	Urinary obstruction-irritative*	Sexual summary	Sexual function	Sexual bother	Bowel summary	Bowel function	Bowel bother	
Studies that report change in QoL score WITHIN groups														
Giberti 2009 [13] (60 months)	Radical prostatectomy	100	QLQ-C30	Cognitive functioning	Emotional functioning	Physical functioning	Role functioning	Social functioning	Global health/QOL					
	Brachytherapy	100		Cognitive functioning	Emotional functioning	Physical functioning	Role functioning	Social functioning	Global health/QOL					
	Radical prostatectomy	100	QLQ-PR25	Urinary symptoms	Bowel symptoms	Treatment-related symptoms	Sexual function	Sexual activity						
	Brachytherapy	100		Urinary symptoms	Bowel symptoms	Treatment-related symptoms	Sexual function	Sexual activity						

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Red: statistically significant deterioration between a treatment group and all other groups of a study

White: no statistically significant difference (For studies comparing interventions, it corresponds to the intervention used as reference and to those that do not show significant difference with this reference; for studies that report changes in QoL within groups, it shows intervention for which the QoL did not show significant change over time)

EBRT: External beam radiotherapy

* In EPIC questionnaire, urinary function items and bother items are combined in the urinary incontinence subscale and the urinary irritation/obstruction subscale