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Suppl. Table 1. Unadjusted DSS means, for controls and PCa </>75 years, and for all controls and PCa patients.

	Age <75 years		Age ≥75 years		All	
	Controls Mean (CI)	PCa patients Mean (CI)	Controls Mean (CI)	PCa patients Mean (CI)	Controls Mean (CI)	PCa patients Mean (CI)
Urinary obstructive/ irritative DSS	84.1 (81.3,85.0)	78.7 (76.5,80.8)	81.4 (80.1,82.7)	78.5 (77.0,80.1)	83.3 (82.6,84.0)	78.6 (77.3,79.9)
Bowel DSS	93.0 (92.3,93.6)	81.5 (79.2,83.8)	92.0 (90.1,93.0)	83.4 (81.7,85.1)	92.7 (92.1,93.2)	82.7 (81.3,84.0)
Related problem	90.2 (89.2,91.2)	76.7 (73.4,79.9)	87.3 (85.6,89.1)	78.5 (76.0,81.0)	89.3 (88.4,90.2)	77.8 (76.4,79.1)
Sexual DSS	67.4 (65.9,68.8)	30.6 (27.4,33.8)	45.0 (42.7,47.2)	22.9 (20.9,24.9)	60.4 (59.1,61.7)	26.0 (24.2,27.7)
Related problem	69.7 (68.0,71.4)	41.8 (37.8,45.9)	62.8 (60.1,65.5)	50.4 (46.8,54.0)	67.6 (66.1,69.0)	46.9 (44.2,49.7)
Global health/ QoL	79.8 (78.8,80.8)	69.0 (66.4,71.6)	75.9 (74.2,77.6)	70.8 (68.8,72.7)	78.6 (77.7,79.5)	70.1 (68.2,71.6)

Suppl. Table 2. Adjusted DSS stratified by comorbidity and hypofractionated RT.

	Urinary obstructive/ irritative DSS	Bowel DSS	Sexual DSS	Global health
Controls				
No comorbidity	84.8 (83.8,85.9)	94.6 (93.6,95.5)	62.8 (61.0,64.5)	83.5 (82.2,84.7)
One or more comorbidity	79.7 (78.4,81.0)	90.1 (88.9,91.2)	52.2 (50.1,54.4)	72.1 (70.5,73.6)
PCa patients				
No comorbidity	80.9 (78.8,82.9)	84.3 (82.5,86.2)	32.8 (29.4,36.2)	77.0 (74.6,79.4)
One or more comorbidity	76.4 (74.7,78.2)	81.9 (80.3,83.5)	26.6 (23.7,29.6)	65.7 (63.6,67.8)
Hypofractionated RT (≤30 fractions)	79.0 (75.8,82.1)	85.3 (82.2,88.4)	28.6 (24.6,32.7)	70.0 (66.4,73.6)
Hypofractionated RT (>30 fractions)	77.1 (74.8,79.4)	81.1 (78.8,83.3)	23.1 (20.2,26.0)	67.5 (64.9,70.1)

Suppl. Table 3. Adjusted* DSS means, problem means and prevalence, for all Controls and all PCa patients, and divided into quartiles.

	45-66 years		67-73 years		74-76 years		77-97 years		All	
	Controls	PCa patients	Controls	PCa patients	Controls	PCa patients	Controls	PCa patients	Controls	PCa patients
Urinary obstructive/irritative subscale (mean, CI)	84.6	80.8	82.4	78.2	82.1	79.7	80.9	78.1	82.6	78.8
	(83.1,86.0)	(75.4,86.3)	(81.0,83.9)	(75.2,80.8)	(80.1,84.0)	(77.0,82.5)	(79.1,84.0)	(76.1,80.1)	(81.7,83.4)	(77.3,80.2)
<i>MCIDlow: 5</i>										
Bowel DSS (mean, CI)	92.7	81.8	93.0	83.1	92.9	82.2	91.8	84.5	92.6	82.9
	(91.4,94.0)	(77.0,86.7)	(91.7,94.3)	(80.8,85.4)	(91.7,94.3)	(79.7,84.6)	(90.2,93.4)	(82.7,86.3)	(91.8,93.3)	(81.6,84.2)
<i>MCIDlow: 4</i>										
Related problem (Q7)* (mean, CI)	90.7	78.6	89.6	78.1	88.7	77.7	87.7	79.1	89.2	78.1
	(88.7,92.7)	(71.2,86.1)	(87.6,91.6)	(74.6,81.7)	(86.1,91.4)	(73.9,81.4)	(85.2,90.2)	(76.4,81.9)	(88.1,90.3)	(76.1,80.1)
<i>Related problem n(%)**</i>	18 (3%)	4 (9%)	19 (3%)	24 (13%)	11 (4%)	14 (9%)	17 (5%)	27 (9%)	65 (4%)	69 (10%)
Correlation***	0.87	0.88	0.87	0.88	0.88	0.88	0.86	0.84	0.87	0.86
Sexual DSS (mean, CI)	72.5	45.2	62.2	29.5	51.6	29.9	42.3	21.6	58.0	28.8
	(70.1,74.8)	(36.5,53.9)	(59.9,64.6)	(25.3,33.6)	(48.5,54.8)	(25.5,34.3)	(39.4,45.2)	(18.4,24.8)	(56.6,59.3)	(26.5,31.2)
<i>MCIDlow: 10</i>										
Related problem (Q12)* (mean, CI)	73.2	54.6	66.2	45.1	61.9	45.4	62.9	51.6	66.4	46.7
	(70.1,76.3)	(33.0,56.2)	(63.1,69.2)	(39.7,50.5)	(57.8,66.0)	(39.6,51.2)	(59.1,66.6)	(47.4,55.9)	(64.7,68.2)	(43.7,49.8)
<i>Related problem n(%)**</i>	95 (16%)	19 (44%)	103 (18%)	90 (51%)	66 (22%)	70 (47%)	90 (25%)	104 (36%)	354 (20%)	283 (43%)
Correlation***	0.82	0.75	0.71	0.53	0.67	0.55	0.36	0.34	0.65	0.43
Global health/ QoL (mean, CI)	78.7	70.7	79.8	71.8	79.2	72.7	76.2	71.2	78.4	71.8
	(77.0,80.5)	(64.2,77.3)	(78.1,81.5)	(68.8,74.9)	(76.9,81.5)	(69.4,76.0)	(74.0,78.3)	(68.8,73.6)	(77.5,79.4)*	(70.0,73.5)*

*Adjusted for education and self-reported comorbidity; DSS, Domain Summary Scores; PCa, Prostate Cancer; MCIDlow, Lowest Minimal Clinical Important Differences; **Number of patients with major problems; ***Correlation between DSS and related bother.

Suppl. Table 4. Item- test correlation.

	Item-test correlation*	Alpha**
Urinary irritative/ obstructive DSS		
Problem with pain or burning on urination(Q4b)	0.2831	0.7153
Problem with hematuria(Q4c)	0.1300	0.7293
Problem with weak urine stream/ incomplete emptying(Q4d)	0.8202	0.5493
Problem with urine frequency(Q4e)	0.8641	0.5167
Overall urinary problem(Q5)	0.8459	0.5035
Test scale		0.6852
Bowel DSS		
Problem with urgency(Q6a)	0.8589	0.7954
Problem with increased frequency(Q6b)	0.8593	0.7912
Problem with losing control(Q6c)	0.7290	0.8248
Problem with bloody stools(Q6d)	0.4552	0.8685
Problem with abdominal/pelvic/rectal pain(Q6e)	0.6663	0.8391
Overall bowel problem(Q7)	0.8723	0.7872
Test scale		0.8468
Sexual DSS		
Ability to have an erection(Q8a)	0.9022	0.9251
Ability to reach an orgasm(Q8b)	0.9326	0.9195
Quality of erections(Firmness)(Q9)	0.9532	0.9152
Frequency of erections(Q10)	0.6259	0.9645
Overall sexual function(Q11)	0.9413	0.9180
Overall sexual problem(Q12)	0.9137	0.9222
Test scale		0.9397

*Item–test correlation, The correlation between a scored item and the total test score; **Cronbach' alpha without the specified single item.

Suppl. Table 5. Unadjusted patient characteristics among all PCa patients diagnosed 2017-2019 and undergoing RT, survey responders, and non-invited/ invited non-participants.

	All patients registered with RT in CRN*	Survey participants	Non- participants
	n= 3877 ^a	n= 663 ^a	n= 3214 ^a
Age			
All (median, IQR range)	71 (37,89)	76 (54,89)	
<75	2794 (72%)	267 (40%)	2527 (79%)
≥75	1083(28%)	396 (60%)	687 (21%)
ECOG			
0	2558 (79%)	516 (81%)	2034 (79%)
≥1	672 (21%)	120 (19%)	550 (21%)
Risk group			
Low/intermediate	935 (28%)	174 (26%)	761 (28%)
High risk, local	907 (27%)	186 (28%)	721 (27%)
High risk, locally advanced	1517 (45%)	303 (46%)	1214 (45%)

PCa, Prostate Cancer; RT, radiotherapy; *non invited and invited/ Not invited due to logistical errors; ^aThe numbers adds up to <3877, <663 or <3214, due to missing data

Suppl. Table 6. Published observations on EPIC-26 items in prostate cancer free men.

	Donnelly et al. (2018), % Age ≥60 years	Current study, % Median age 70 (45,97)
Pain or burning on urination	1.7	0.4
Bleeding with urination	0.3	0.3
Incomplete emptying	9.1	13.0
Need to urinate frequently	16.6	15.2
Problem with urinary function	9.3	9.0
Urgency to have a bowel movement	6.7	4.6
Increased frequency of bowel movements	5.0	3.0
Losing control of bowel movements	2.2	1.0
Bloody stools	0.6	0.4
Abdominal, pelvic, rectal, back passage pain	3.1	2.0
Problem with bowel habit	6.5	3.6
Very poor or no ability to have an erection	27.8	34.1
Very poor or no ability to reach orgasm	26.2	27.6
Never have an erection when wanted	33.6	23.8
Very poor ability to function sexually	33.0	32.9
Problem with sexual function	32.8	19.5