

Demographic Data

	N Procare	%Procare	p25	median	p75
Number of Patients registered	7234		15	49	109
SEX					
-> Number of male patients	4535	63	57	62	67
-> Number of female patients	2699	37	33	38	43
AGE					
-> Mean age	67		66	68	69
-> Median age	68		67	68.3	70

Pretreatment diagnosis, staging and function

	N Procure	%Procure	p25	median	p75
QCI: DOCUMENTED DISTANCE					
-> High (>10cm)	1064	17.6	6.9	15	24.1
-> Mid (> 5 - <= 10cm)	2412	40	34.9	40.4	50
-> Low (<= 5cm)	2556	42.4	34.7	40	50
-> Missing lower limit	1202	16.6	1.3	8.2	19.6
QCI: Complete large bowel imaging	5466	96.3	95.4	99.2	100
QCI: CT abdomen and CT or RX thorax	3348	82	74.6	88.9	98.6
USE OF IMAGING					
-> Use of any imaging (CT/MRI/TRUS)	4026	84.8	71.5	92.2	98.5
-> Use of TRUS (any stage)	2107	44.4	14.3	39.3	66.7
-> Use of CT pelvis (any stage)	3553	74.9	57.1	80	93.5
-> Use of MRI (any stage)	2697	56.8	31.6	55.9	74
-> Use of TRUS in cT1/cT2	384	46.8	12.2	41.5	71.7
-> Use of MRI in cStage II-III	2043	78.8	74.4	88.5	100
QCI: Locoregional staging by TRUS + CT pelvis and/or MRI pelvis	2006	42.3	10	37	60.2
QCI: cCRM reported in cStage II-III if radical	1351	34.6	0	14.5	41.4
TUMOUR CLINICAL STAGE					
-> cStage0	25	0.4	0	0	0
-> cStageI	759	12.7	5.2	11.9	19
-> cStageII	886	14.8	9.8	16.9	23.6
-> cStageIII	3202	53.5	40.2	50.3	61.3
-> cStageIV	875	14.6	6.5	12.8	19.2
-> cStageX	241	4	0	1	5.3
-> cStage missing	1246	17.2	0	7.9	20.5
QCI: CEA before any treatment	5561	76.9	70.5	84.1	95.7

Time to first treatment

	N Procure	%Procure	p25	median	p75
Missing date of biopsy or first consultation	1144	15.8	0	4.8	17.8
Global (days)	28		24	30	36.5
First treatment surgery (days)	26		20	28	37
First treatment (C)RT (days)	26		23	29.8	38.5
First treatment palliative C(R)T (days)	32		23	33	46

Neoadjuvant treatment

	N Procure	%Procure	p25	median	p75
QCI: Neoadjuvant treatment (C)RT for cstage II-III with radical resection	3067	78.7	65.7	80	90
-> For high RC	292	51	20	50	75
-> For mid RC	1234	81	68.4	82.1	100
-> For low RC	1447	86.1	76	90.2	100
QCI: Long course (C)RT without interruption for cStage II-III	2250	98.1	98.5	100	100
Long course (C)RT if cCRM <= 2mm	589	79.9	55.8	80	100
Neoadjuvant treatment (C)RT in cStage I with radical resection	104	15	0	0	14
-> For high RC	13	8.1	0	0	0
-> For mid RC	25	10.2	0	0	0
-> For low RC	64	26	0	0	41
QCI: cStage II-III treated with 5FU that received continuous 5FU	1204	93.8	97	100	100
Missing date first irradiation	877	21	3.2	13.5	35
Missing date last irradiation	910	21.8	3.4	15.4	40
Missing number of fractions	811	19.4	3	11.9	33.3
Missing total dose	851	20.4	3	11.4	35
Missing radiation compliance	860	20.6	2.9	11.6	35
Missing concomitant chemotherapy	168	4	0	1.7	6.7
QCI: Surgery 4-12 weeks after long course (C)RT for cStage II-III	2144	98	98	100	100

Surgery

	N Procure	%Procure	p25	median	p75
MODE OF SURGERY					
-> Elective/ scheduled	5677	98.8	97.6	100	100
-> Urgent: emergency	71	1.2	0	0	2.4
-> Missing data on mode of surgery	677	10.5	0	2.6	10.5
APPROACH RESECTION IF RADICAL					
-> Resection by Laparotomy	3633	63.6	37.5	71	97.1
-> Resection by Laparoscopy	1817	31.8	2	21.5	50.6
-> Resection by converted Laparoscopy	263	4.6	0	0	4.8
-> Missing data on approach for radical resection	597	9.5	0	0	7.3
APPROACH RECONSTRUCTION IF RADICAL					
-> Reconstruction by Laparotomy	3726	65.9	40	73.5	97.6
-> Reconstruction by Laparoscopy	1737	30.7	1.1	21.4	50
-> Reconstruction by converted Laparoscopy	188	3.3	0	0	4.5
-> Missing data on approach for reconstruction	659	10.4	0	1.7	10.3
QCI: STATUS AFTER RADICAL RESECTION					
-> R0	4075	72.9	62.8	73.8	78.9
-> R1	798	14.3	4.2	12.8	19.4
-> R2	719	12.9	5.4	11.6	18.5
-> Missing data on R status	718	11.4	2.6	8.4	26.4
QCI: Rectal perforation	362	5.8	0	4.8	7.7
-> Missing data on perforation of rectum	685	10.9	0	1	9.8
Distal margin involvement if radical resection for low RC	46	4.8	0	0	5.5
(y)pCRM positivity if radical resection	654	17	7.1	15.9	24.2
-> For high RC	96	15.8	0	12.5	20
-> For mid RC	223	15.1	0	12.5	21.6
-> For low RC	295	18.4	0	15.4	25.9
-> Missing (y)pCRM	1531	28.5	20.1	35	60

	N Procure	%Procure	p25	median	p75
TECHNIQUE OF RESECTION					
-> PME	970	16	4.5	15	24.6
-> TME	5041	83.2	73.1	84.1	95.5
-> Conventional	49	0.8	0	0	0
-> Missing technique of resection	250	4	0	0	2.2
TYPE OF RECONSTRUCTION					
-> Local excision/TEM (Global)	113	2	0	0	2.6
QCI: APER + Hartmann (global)	1306	23.3	17.3	24.6	34.5
-> For high RC	40	4	0	0	5.3
-> For mid RC	162	7.2	0	3.4	10.8
-> For low RC	1104	46.6	36.4	53.3	66.7
SSO (Global)	4220	75.2	64.3	74.7	82
-> High anterior resection + CRA	126	2.2	0	0	2.5
-> Low anterior resection + CRA	770	13.7	0	12.5	23.9
-> Restorative rectum resection (Global)	3324	59.2	42.9	56.8	66.7
-- >> RRR + straight CAA	1234	22	8	20.2	40
-- >> RRR + coloplasty	84	1.5	0	0	0.8
-- >> RRR + pouch	1072	19.1	0	2.3	15.8
-- >> RRR + side-to-end CAA	934	16.6	0	6.1	21.5
-> Ileal pouch anal anastomosis	17	0.3	0	0	0
Missing type of reconstruction	773	12.3	0	3.7	12.6
DISTAL ANASTOMOSIS TECHNIQUE IF SSO FOR LOW RC					
-> Stapled	771	65.1	65.2	94	100
-> Manual	414	34.9	0	6.1	34.8
-> Missing data on technique of anastomosis	27	2.2	0	0	0
Derivate Stoma if PME + SSO + Reconstruction	196	21.4	0	16.7	33.3
-> Missing data on stoma if PME + SSO + recon.	2	0.2	0	0	0

	N Procare	%Procare	p25	median	p75
Derivate Stoma if TME + SSO + Reconstruction	2269	68.3	50	76.9	99.6
-> Missing data on stoma if TME + SSO + recon.	3	0.1	0	0	0
QCI: Major leak after PME + SSO + reconstruction	48	5.2	0	0	6.7
QCI: Major leak after TME + SSO + reconstruction	182	5.3	0	2.1	7.1
-> With derivate Stoma	79	3.4	0	0	3.3
-> Without derivate Stoma	103	9.5	0	5.4	14.9
Derivative stoma 1 year after SSO	66	17.1	0	20	34.3
QCI: 30 day mortality if radical resection	75	1.2	0	0	1.9
QCI: Major surgical morbidity after surgical resection	461	7.9	2.4	6.3	10.1
-> ASA 1	1295	24.6	11.9	24.1	40
-> ASA 2	2803	53.2	40	50.7	62.4
-> ASA 3	1126	21.4	9.6	20	26.9
-> ASA > 3	52	1	0	0	1.1
-> Missing data on ASA	1037	16.4	0	7.7	33.3
Median length of hospital stay (days)	11		10	11	13.5
Missing date of discharge	710	11.4	0	3.6	13.2

Pathology

	N Procure	%Procure	p25	median	p75
QCI: Use of report sheet (since 1/2007)	4519	92.5	90	100	100
QCI: REPORT ON QUALITY IF TME					
-> Report on quality if TME (since 1/2007)	3027	74.6	36.6	65.1	87.5
-> TME severely irregular	341	11.3	0	5	12.5
QCI: (y)pCRM reported in mm (if radical resection)	3845	76.6	50	71.3	84
QCI: Distal margin involvement reported (after SSO + Hartmann for low RC)	3607	94.3	87.5	97.5	100
Distal margin (in cm) mentioned (after SSO + Hartmann for low RC)	3404	83.5	66.7	88.7	96.8
MEAN (CM) DISTAL TUMOUR-FREE MARGIN AT SSO OR HARTMANN					
-> For high RC	4.1		3.6	4	4.5
-> For mid RC	3		2.3	2.8	3.2
-> For low RC	1.7		1.4	1.8	2
-> Missing data on length of distal margin	673	16.5	3.2	11.3	33.3
(y)pT CATEGORIES IF RADICAL RESECTION					
-> (y)pT0	549	9.5	2.2	7.8	12.5
-> (y)pTis	43	0.7	0	0	0
-> (y)pT1	491	8.5	0	6.7	11.3
-> (y)pT2	1488	25.7	20	24.9	31.9
-> (y)pT3	2814	48.6	40.9	50	56
-> (y)pT4	405	7	0	4.5	9.6
-> Missing data on (y)pT	517	8.2	0	3.9	19.7
(y)pN CATEGORIES IF RADICAL RESECTION					
-> (y)pN0	3717	64.1	58.9	63.5	70.4
-> (y)pN+	2079	35.9	29.7	36.5	41.2
-> Missing data on (y)pN	493	7.8	0	2.9	15

	N Procare	%Procare	p25	median	p75
QCI: MEDIAN NUMBER OF NODES EXAMINED					
-> No or short course neoadj RT	13		11	13	15.5
-> Long course neoadj RT	10		8.5	11	13
-> Course type missing	11		8.5	10	13.5
QCI: Regression grade (Dworak) reported (after long course)	2246	80.4	51.9	79.2	94
(y)p STAGE IF RADICAL RESECTION					
-> ypStage0	476	8.2	0	5.7	10.4
-> (y)pStageI	1391	23.8	14.3	23.5	30.7
-> (y)pStageII	1323	22.7	15.6	23.4	28.6
-> (y)pStageIII	1440	24.7	15.4	25	30.5
-> (y)pStageIV	751	12.9	6.7	11.5	17.5
-> (y)pStageX	456	7.8	0	0	3.8
-> Missing (y)pStage	473	7.5	0	3.4	12.8

Adjuvant treatment

	N Procure	%Procure	p25	median	p75
QCI: Adjuvant chemo for (y)pStage III, R0, started within 3 months	338	88.9	85.7	100	100
Missing data adj chemo for (y)pStage III, R0	666	63.7	50	85.7	100
QCI: Adj. chemo for (y)pStage II-III, R0, started within 3 mo.	551	90.9	88.9	100	100
Missing data adj chemo for (y)pStage II-III, R0	1462	70.7	63.3	84	100

Note : Adjuvant treatment results must be interpreted with caution due to the number of missing information.

Follow-up

	N Procare	%Procare	p25	median	p75
FOLLOW-UP DATA REPORT FORM					
-> At 6 months	2715	44.6	6.3	31.1	63.8
-> At 12 months	2481	44	4.8	25	55.4
-> At 18 months	1774	35.1	0	20	45.3
-> At 24 months	1554	34.4	0	18.2	42.4
-> At 30 months	1135	28.2	0	12.7	31.8
-> At 36 months	1084	30.4	0	13.9	32.6
-> At 42 months	759	23.7	0	9	23.8
-> At 48 months	769	27.1	0	8.4	25.5
-> At 54 months	494	19.9	0	4.4	15.8
-> At 60 months	789	36.3	0	13.1	30.2