

Demographic Data

	N Procare	%procare	p25	median	p75
Number of Patients registered	3328		11	31	55
SEX					
-> Number of male patients	2045	61	54	61	70
-> Number of female patients	1283	39	30	39	46
AGE					
-> Mean age	67		66	68	70
-> Median age	68		67	69	72

Pretreatment diagnosis, staging and function

	N	%procare	p25	median	p75
QCI: DOCUMENTED DISTANCE					
-> High (>10cm)	519	17.2	7.1	15.1	25
-> Mid (> 5 - <= 10cm)	1198	39.8	33.3	40	47.4
-> Low (<= 5cm)	1292	42.9	31	42.2	51.4
Missing lower limit	319	9.6	0	1.8	11.5
QCI: Complete large bowel imaging	2769	98.3	98.9	100	100
QCI: CT abdomen and CT or RX thorax	253	78.8	73.7	100	100
USE OF IMAGING					
-> Use of TRUS (any stage)	278	63.9	25	80	100
-> Use of CT pelvis (any stage)	284	65.3	18.8	77.5	100
-> Use of MRI (any stage)	289	66.4	25	78.5	100
-> Use of TRUS in cT1/cT2	60	82.2	73.2	100	100
-> Use of MRI in cStage II-III	93	91.2	100	100	100
QCI: Locoregional staging by TRUS + CT pelvis and/or MRI pelvis	264	60.7	18.8	72.5	100
QCI: cCRM reported in cStage II-III if radical	501	25.7	0	6.5	23.1
TUMOUR CLINICAL STAGE					
-> cStage0	10	0.3	0	0	0
-> cStageI	392	13.3	2.9	10.5	18
-> cStageII	492	16.7	9.5	18.2	23.1
-> cStageIII	1520	51.7	38.3	50	60.2
-> cStageIV	419	14.3	7.5	12.5	20
-> cStageX	105	3.6	0	0	4.5
-> cStage missing	390	11.7	0	6.3	18.5
QCI: CEA before any treatment	2706	81.3	73.5	88.9	97.5

Time to first treatment

	N Procure	%procure	p25	median	p75
Missing date of biopsy or first consultation	335	10.1	0	1.9	10.6
Global	27		21	26.5	36
First treatment surgery	23.5		16	23.5	34
First treatment (C)RT	26		19	27.5	36.8
First treatment palliative C(R)T	30		25.5	35	45

Neoadjuvant treatment

	N	%procare	p25	median	p75
QCI: Neoadjuvant treatment for cstage II-III	1473	80.5	61.9	81.8	94
-> For high RC	118	43.7	0	50	67.9
-> For mid RC	591	83.1	72.7	87.5	100
-> For low RC	731	90.9	76.4	98.7	100
QCI: Long course (C)RT without interruption for cStage II-III	1155	96.8	98.9	100	100
Long course (C)RT if cCRM <= 2mm	231	80.8	50	93.1	100
Neoadjuvant treatment in cStageI	61	18	0	0	19.5
-> For high RC	7	8.5	0	0	0
-> For mid RC	15	11.5	0	0	0
-> For low RC	39	30.7	0	0	50
QCI: Neoadjuvant CRT with continuous 5FU	424	90.8	100	100	100
Missing date first irradiation	211	11.3	0	4.8	16.7
Missing date last irradiation	235	12.5	0	5.3	21.9
Missing number of fractions	208	11.1	0	4.5	21.7
Missing total dose	252	13.4	0	5.8	30.3
Missing radiation compliance	247	13.2	0	4.5	21.7
Missing concomitant chemotherapy	105	5.6	0	0.9	7.7
QCI: Surgery 4-12 weeks after long course (C)RT for cStage II-III	1092	97.4	100	100	100

Surgery

	N	%procare	p25	median	p75
MODE OF SURGERY					
-> Elective/ scheduled	2816	98.2	96.9	100	100
-> Urgent: emergency	51	1.8	0	0	3.1
-> Missing data on mode of surgery	109	3.7	0	0	4
APPROACH RESECTION IF RADICAL					
-> Resection by Laparotomy	2043	70.3	59.5	87.5	100
-> Resection by Laparoscopy	743	25.6	0	9.4	40
-> Resection by converted Laparoscopy	119	4.1	0	0	4.1
-> Missing data on approach for radical resection	30	1	0	0	0
APPROACH RECONSTRUCTION IF RADICAL					
-> Reconstruction by Laparotomy	2049	71.3	54.8	85.6	100
-> Reconstruction by Laparoscopy	729	25.4	0	9.4	33.3
-> Reconstruction by converted Laparoscopy	94	3.3	0	0	5.3
-> Missing data on approach for reconstruction	63	2.1	0	0	3
QCI: STATUS AFTER RADICAL RESECTION					
-> R0	2236	76.6	68	78.1	85
-> R1	318	10.9	0	9.6	15.4
-> R2	365	12.5	6.3	11.6	18.2
-> Missing data on R status	16	0.5	0	0	0
QCI: Rectal perforation	220	7.6	0	5.7	10.5
Missing data on perforation of rectum	68	2.3	0	0	2
Distal margin involvement if radical resection for low RC	18	3.5	0	0	0
(y)pCRM positivity if radical resection	361	18.7	8.3	17.1	27.3
-> For high RC	55	18	0	11.1	33.3
-> For mid RC	131	17.3	0	15.1	25
-> For low RC	165	20	0	15.8	33.3
Missing (y)pCRM	727	27.3	13.6	26.4	47.4

	N Procare	%procare	p25	median	p75
TECHNIQUE OF RESECTION					
-> PME	565	19.5	1.6	16.7	30.8
-> TME	2297	79.2	66.7	82.1	97.3
-> Conventional	37	1.3	0	0	0
-> Missing technique of resection	36	1.2	0	0	0.4
TYPE OF RECONSTRUCTION					
Local excision/TEM (Global)	37	1.3	0	0	0
QCI: APER + Hartmann (global)	703	23.8	14.6	25	35.3
-> For high RC	25	5	0	0	7.1
-> For mid RC	87	7.7	0	5.5	12.8
-> For low RC	565	46.6	37.1	55.6	75
SSO (Global)	2136	74.9	62.9	75	83.7
-> High anterior resection + CRA	61	2.1	0	0	2.5
-> Low anterior resection + CRA	494	17.3	1.5	14.8	28.2
-> Restorative rectum resection (Global)	1581	55.5	35.7	50	66.7
--->>> RRR + straight CAA	586	20.6	5.3	15.4	36.2
--->>> RRR + coloplasty	63	2.2	0	0	1.7
--->>> RRR + pouch	610	21.4	0	4.9	22.5
--->>> RRR + side-to-end CAA	322	11.3	0	2	14.5
-> Ileal pouch anal anastomosis	9	0.3	0	0	0
Missing type of reconstruction	159	5.5	0	0	7.5
DISTAL ANASTOMOSIS TECHNIQUE IF SSO FOR LOW RC					
-> Stapled	394	64.4	62.5	92.3	100
-> Manual	218	35.6	0	7.7	37.5
-> Missing data on technique of anastomosis	17	2.7	0	0	0
Derivate Stoma if PME + SSO + Reconstruction	102	18.2	0	14.3	33.3
-> Missing data on stoma if PME + SSO + recon.	11	2	0	0	0
Derivate Stoma if TME + SSO + Reconstruction	961	60.8	43.5	71	98.6
-> Missing data on stoma if TME + SSO + recon.	13	0.8	0	0	0

	N Procure	%procure	p25	median	p75
QCI: Major leak after PME + SSO + reconstruction	32	5.7	0	0	9.1
QCI: Major leak after TME + SSO + reconstruction	98	6.1	0	3.4	9.1
-> With derivate Stoma	41	4.2	0	0	6.3
-> Without derivate Stoma	57	9.2	0	3.3	16.7
Derivative stoma 1 year after SSO	33	26.8	0	25	50
QCI: 30 day mortality if radical resection	50	1.7	0	0	2.6
QCI: Major surgical morbidity after surgical resection	168	5.8	0	4.7	7.7
-> ASA 1	742	28.2	7.7	28.8	46.2
-> ASA 2	1325	50.4	33.3	50	58.3
-> ASA 3	534	20.3	5.6	19	27.5
-> ASA > 3	36	1.4	0	0	1.3
-> Missing data on ASA	305	10.4	0	2.9	16.7
Median length of hospital stay (days)	11		10	12	13.5
Missing date of discharge	121	4.2	0	1.6	6.3

Pathology

	N	%procare	p25	median	p75
QCI: Use of report sheet (since 1/2007)	1943	97.9	100	100	100
QCI: REPORT ON QUALITY IF TME					
-> Report on quality if TME (since 1/2007)	1076	68.3	42.9	60	85.4
-> TME severely irregular	109	10.1	0	5.9	14.3
QCI: (y)pCRM reported (if radical resection)	1933	73.8	55.6	73.7	87.5
QCI: Distal margin involvement reported (after SSO + Hartmann for low RC)	1865	91.4	83.7	96.5	100
Distal margin (in cm) mentioned (after SSO + Hartmann for low RC)	1771	86.1	77.3	90.5	100
MEAN (CM) DISTAL TUMOUR-FREE MARGIN AT SSO OR HARTMANN					
-> For high RC	4.4		3.5	4.1	4.9
-> For mid RC	3.1		2.5	2.9	3.5
-> For low RC	1.6		1.3	1.6	2
-> Missing data on length of distal margin	288	14	0	9.5	22.7
(y)pT CATEGORIES IF RADICAL					
ypT0	262	9.5	0	6.3	11.5
ypTis	19	0.7	0	0	0
(y)pT1	226	8.2	0	6	11.3
(y)pT2	682	24.7	16.7	23.8	31.6
(y)pT3	1368	49.5	40	50	58.8
(y)pT4	209	7.6	0	5.2	12.5
Missing data on (y)pT	168	5.7	0	0	6.1
(y)pN CATEGORIES IF RADICAL					
(y)pN0	1769	64.1	55.6	62.9	71.4
(y)pN+	989	35.9	28.6	37.1	44.4
Missing data on (y)pN	170	5.8	0	0	6.1

	N Procare	%procare	p25	median	p75
QCI: MEDIAN NUMBER OF NODES EXAMINED					
-> No or short course neoadj RT	13		10.5	12	15
-> Long course neoadj RT	10		8	10	12
-> Course type missing	11		8	10	13
QCI: Regression grade (Dworak) reported (after long course)	1065	74.9	40	71.4	91.5
(y)p STAGE IF RADICAL					
-> ypStage0	251	9	0	5.6	11.1
-> (y)pStageI	687	24.7	16.7	23.1	29.5
-> (y)pStageII	704	25.3	17.7	25	31.8
-> (y)pStageIII	741	26.7	20	25.4	34.3
-> (y)pStageIV	373	13.4	7.4	12.5	18.2
-> (y)pStageX	24	0.9	0	0	0
-> Missing (y)pStage	155	5.3	0	0.9	6.1

Adjuvant treatment

	N Procare	%procare	p25	median	p75
QCI: Adjuvant chemo for (y)pStage III, R0, started within 3 months	24	85.7	100	100	100
Missing data adj chemo for (y)pStage III, R0	535	95	100	100	100
QCI: Adj. chemo for (y)pStage II-III, R0, started within 3 mo.	54	93.1	100	100	100
Missing data adj chemo for (y)pStage II-III, R0	126	68.5	50	94.5	100