

Demographic Data

	N Procare	%Procare	p25	median	p75
Number of Patients registered	4583		10	36	68
SEX					
-> Number of male patients	2830	62	55	61	69
-> Number of female patients	1753	38	31	39	45
AGE					
-> Mean age	67		66	68	70
-> Median age	68		67	69	71

Pretreatment diagnosis, staging and function

	N Procure	%Procure	p25	median	p75
QCI: DOCUMENTED DISTANCE					
-> High (>10cm)	697	17.4	6.1	14.9	25.2
-> Mid (> 5 - <= 10cm)	1598	39.9	33.3	40	49
-> Low (<= 5cm)	1715	42.8	33.3	41.8	50.4
-> Missing lower limit	573	12.5	0	5	13.5
QCI: Complete large bowel imaging	3672	97.8	97.7	100	100
QCI: CT abdomen and CT or RX thorax	1043	83	75	88.4	100
USE OF IMAGING					
-> Use of any imaging (CT/MRI/TRUS)	2491	93	93.5	100	100
-> Use of TRUS (any stage)	1252	46.7	12.9	45.8	69.6
-> Use of CT pelvis (any stage)	2099	78.4	68.8	90	100
-> Use of MRI (any stage)	1547	57.7	30.4	59.3	76.2
-> Use of TRUS in cT1/cT2	210	44.1	0	38.2	67.8
-> Use of MRI in cStage II-III	1087	80.6	66.7	92.3	100
QCI: Locoregional staging by TRUS + CT pelvis and/or MRI pelvis	1127	42.1	10	39.6	60.4
QCI: cCRM reported in cStage II-III if radical	802	30.7	0	9.5	34.6
TUMOUR CLINICAL STAGE					
-> cStage0	14	0.4	0	0	0
-> cStageI	524	13.3	3.7	11	17.9
-> cStageII	636	16.1	9.7	18.3	22.2
-> cStageIII	2080	52.7	40.4	50.6	62.5
-> cStageIV	555	14.1	6.7	12.1	19.4
-> cStageX	137	3.5	0	0	4.4
-> cStage missing	637	13.9	0	7.1	20
QCI: CEA before any treatment	3648	79.6	73	86.5	97.6

Time to first treatment

	N Procare	%Procare	p25	median	p75
Missing date of biopsy or first consultation	576	12.6	0	2.8	12.7
Global (days)	27		21	28	37
First treatment surgery (days)	25		18	27	35.8
First treatment (C)RT (days)	26		21	28	36
First treatment palliative C(R)T (days)	29		25	34.3	46

Neoadjuvant treatment

	N Procure	%Procure	p25	median	p75
QCI: Neoadjuvant treatment (C)RT for cstage II-III with radical resection	1998	76.6	60	77.3	90.8
-> For high RC	175	45.9	0	40	73.3
-> For mid RC	807	78.8	66.7	82.6	100
-> For low RC	974	84.9	75	90	100
QCI: Long course (C)RT without interruption for cStage II-III	1527	97.6	99.5	100	100
Long course (C)RT if cCRM <= 2mm	390	81.3	66.7	81.3	100
Neoadjuvant treatment (C)RT in cStage I with radical resection	79	17	0	0	18
-> For high RC	11	10	0	0	0
-> For mid RC	19	10.7	0	0	0
-> For low RC	49	28.5	0	0	50
QCI: cStage II-III treated with 5FU that received continuous 5FU	607	90.2	100	100	100
Missing date first irradiation	432	16.6	0	8.2	33.3
Missing date last irradiation	463	17.8	0	9.1	36.1
Missing number of fractions	403	15.5	0	7.6	30
Missing total dose	437	16.8	0.4	7.6	33.3
Missing radiation compliance	411	15.8	0	6.3	30.3
Missing concomitant chemotherapy	108	4.2	0	0.7	7.1
QCI: Surgery 4-12 weeks after long course (C)RT for cStage II-III	1474	98.3	100	100	100

Surgery

	N Procure	%Procure	p25	median	p75
MODE OF SURGERY					
-> Elective/ scheduled	3754	98.5	97.8	100	100
-> Urgent: emergency	57	1.5	0	0	2.2
-> Missing data on mode of surgery	252	6.2	0	0	6
APPROACH RESECTION IF RADICAL					
-> Resection by Laparotomy	2621	68.2	45.5	81.6	100
-> Resection by Laparoscopy	1069	27.8	0	13.6	46
-> Resection by converted Laparoscopy	152	4	0	0	3.3
-> Missing data on approach for radical resection	161	4	0	0	1.7
APPROACH RECONSTRUCTION IF RADICAL					
-> Reconstruction by Laparotomy	2664	70.2	50	85.3	100
-> Reconstruction by Laparoscopy	1018	26.8	0	12	41.9
-> Reconstruction by converted Laparoscopy	111	2.9	0	0	3.8
-> Missing data on approach for reconstruction	210	5.2	0	0	5.5
QCI: STATUS AFTER RADICAL RESECTION					
-> R0	3084	77.4	70.3	79.8	84.1
-> R1	419	10.5	0	8.2	14.6
-> R2	480	12.1	4.6	10.4	18.2
-> Missing data on R status	20	0.5	0	0	0
QCI: Rectal perforation	273	6.9	0	5.7	9.1
-> Missing data on perforation of rectum	202	5	0	0	3.7
Distal margin involvement if radical resection for low RC	28	4.3	0	0	2.9
(y)pCRM positivity if radical resection	460	18	7.3	15.8	25.1
-> For high RC	68	16.7	0	10	28.6
-> For mid RC	166	16.6	0	14.3	25
-> For low RC	210	19.4	0	16.7	28.9
-> Missing (y)pCRM	994	28	16.3	32.7	50

	N Procure	%Procure	p25	median	p75
TECHNIQUE OF RESECTION					
-> PME	699	17.5	0.7	16.5	29
-> TME	3263	81.5	69.7	83.1	97.8
-> Conventional	41	1	0	0	0
-> Missing technique of resection	0	0	0	0	0
TYPE OF RECONSTRUCTION					
-> Local excision/TEM (Global)	53	1.4	0	0	0.9
QCI: APER + Hartmann (global)	969	23.9	17.6	25	33.9
-> For high RC	31	4.6	0	0	6
-> For mid RC	110	7.3	0	4.9	12
-> For low RC	765	47.4	40.5	56.3	68.4
SSO (Global)	2856	75.1	64.9	73.3	82.4
-> High anterior resection + CRA	80	2.1	0	0	2.3
-> Low anterior resection + CRA	583	15.3	0	14.1	25.9
-> Restorative rectum resection (Global)	2193	57.7	38.6	53.3	66.7
-- >> RRR + straight CAA	816	21.5	6.7	19.6	33.3
-- >> RRR + coloplasty	70	1.8	0	0	1.3
-- >> RRR + pouch	792	20.8	0	2.9	25.7
-- >> RRR + side-to-end CAA	515	13.5	0	3.4	19.6
-> Ileal pouch anal anastomosis	14	0.4	0	0	0
Missing type of reconstruction	206	5.4	0	0	5.4
DISTAL ANASTOMOSIS TECHNIQUE IF SSO FOR LOW RC					
-> Stapled	530	65.7	63.1	100	100
-> Manual	277	34.3	0	0	37
-> Missing data on technique of anastomosis	18	2.2	0	0	0
Derivate Stoma if PME + SSO + Reconstruction	131	19.4	0	13.4	33.3
-> Missing data on stoma if PME + SSO + recon.	3	0.4	0	0	0
Derivate Stoma if TME + SSO + Reconstruction	1392	63.5	41	73.8	96.6
-> Missing data on stoma if TME + SSO + recon.	4	0.2	0	0	0
QCI: Major leak after PME + SSO + reconstruction	38	5.6	0	0	7.1

	N Procare	%Procare	p25	median	p75
QCI: Major leak after TME + SSO + reconstruction	131	5.9	0	2.2	8
-> With derivate Stoma	49	3.5	0	0	3.8
-> Without derivate Stoma	82	10.2	0	6.1	15.3
Derivative stoma 1 year after SSO	43	19.7	0	15.3	50
QCI: 30 day mortality if radical resection	65	1.6	0	0	2.8
QCI: Major surgical morbidity after surgical resection	277	7.2	0	5.9	9.6
-> ASA 1	928	26.2	9.3	24.9	42.8
-> ASA 2	1858	52.4	38.8	51.4	64.5
-> ASA 3	725	20.4	5.4	20	26.7
-> ASA > 3	42	1.2	0	0	1
-> Missing data on ASA	457	11.4	0	4.5	23.7
Median length of hospital stay (days)	11		10	12	14
Missing date of discharge	264	6.7	0	2	10

Pathology

	N Procure	%Procure	p25	median	p75
QCI: Use of report sheet (since 1/2007)	2809	94.3	95	100	100
QCI: REPORT ON QUALITY IF TME					
-> Report on quality if TME (since 1/2007)	1769	72.1	41.2	66.7	88.6
-> TME severely irregular	199	11.2	0	7.5	15.1
QCI: (y)pCRM reported in mm (if radical resection)	2552	75.5	52.5	74	87.1
QCI: Distal margin involvement reported (after SSO + Hartmann for low RC)	2434	92.9	85	96.7	100
Distal margin (in cm) mentioned (after SSO + Hartmann for low RC)	2299	84	67.9	91.3	100
MEAN (CM) DISTAL TUMOUR-FREE MARGIN AT SSO OR HARTMANN					
-> For high RC	4.2		3.5	4	4.5
-> For mid RC	3		2.3	2.7	3.3
-> For low RC	1.7		1.4	1.7	2.1
-> Missing data on length of distal margin	439	16	0	8.8	32.1
(y)pT CATEGORIES IF RADICAL RESECTION					
-> (y)pT0	346	9.3	0	6.2	12.5
-> (y)pTis	25	0.7	0	0	0
-> (y)pT1	302	8.2	0	6.2	11.5
-> (y)pT2	938	25.3	17.5	23	30.8
-> (y)pT3	1818	49.1	40	50	57.6
-> (y)pT4	273	7.4	0	6.1	12
-> Missing data on (y)pT	300	7.5	0	1.7	10.1
(y)pN CATEGORIES IF RADICAL RESECTION					
-> (y)pN0	2369	64.1	56.3	64.2	70
-> (y)pN+	1327	35.9	30	35.9	43.8
-> Missing data on (y)pN	294	7.3	0	0.6	9.5

	N Procare	%Procare	p25	median	p75
QCI: MEDIAN NUMBER OF NODES EXAMINED					
-> No or short course neoadj RT	13		10.5	13	15.5
-> Long course neoadj RT	10		7.8	10	12
-> Course type missing	12		8	11	13.3
QCI: Regression grade (Dworak) reported (after long course)	1468	79.1	50	80	92.9
(y)p STAGE IF RADICAL RESECTION					
-> ypStage0	321	8.6	0	4.8	12.2
-> (y)pStageI	921	24.7	14.9	23.1	30.6
-> (y)pStageII	910	24.4	17.3	23.9	30.4
-> (y)pStageIII	951	25.5	15.9	25	33.3
-> (y)pStageIV	492	13.2	6	11.9	18.9
-> (y)pStageX	135	3.6	0	0	0.4
-> Missing (y)pStage	273	6.8	0	1.9	9.4

Adjuvant treatment

	N Procare	%Procare	p25	median	p75
QCI: Adjuvant chemo for (y)pStage III, R0, started within 3 months	37	88.1	100	100	100
Missing data adj chemo for (y)pStage III, R0	687	94.2	100	100	100
QCI: Adj. chemo for (y)pStage II-III, R0, started within 3 mo.	89	94.7	100	100	100
Missing data adj chemo for (y)pStage II-III, R0	1399	93.7	93.3	100	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	1465	38.4	3.2	25	50
-> At 12 months	1195	35.3	0	22.1	50
-> At 18 months	784	26.9	0	10.1	33.3
-> At 24 months	642	25.9	0	11.1	34.8
-> At 30 months	433	20.8	0	9.1	26.7
-> At 36 months	353	20.6	0	5.3	27
-> At 42 months	238	17.4	0	7	26.1
-> At 48 months	163	15.5	0	0	15
-> At 54 months	90	11.8	0	0	8.1
-> At 60 months	84	18.1	0	0	20