

**Demographic Data**

	N Procare	%Procare	p25	median	p75
<b>Number of Patients registered</b>	5459		15	41	75
<b>SEX</b>					
-> <b>Number of male patients</b>	3403	62	56	62	67
-> <b>Number of female patients</b>	2056	38	33	38	44
<b>AGE</b>					
-> <b>Mean age</b>	67		66	68	69.5
-> <b>Median age</b>	68		67	69	70.5

**Pretreatment diagnosis, staging and function**

	N Procure	%Procure	p25	median	p75
<b>QCI: DOCUMENTED DISTANCE</b>					
-> High (>10cm)	846	17.8	8.3	16.2	25.4
-> Mid (> 5 - <= 10cm)	1884	39.7	34.3	40	50
-> Low (<= 5cm)	2021	42.5	33.3	42.1	50
-> Missing lower limit	708	13	0	4.8	13.5
<b>QCI: Complete large bowel imaging</b>	4358	97.1	97	100	100
<b>QCI: CT abdomen and CT or RX thorax</b>	2392	80.5	75.6	89.5	99
<b>USE OF IMAGING</b>					
-> Use of any imaging (CT/MRI/TRUS)	2923	86.1	75	92.9	100
-> Use of TRUS (any stage)	1532	45.1	12.5	42.3	66.7
-> Use of CT pelvis (any stage)	2527	74.4	57.1	81.1	93.5
-> Use of MRI (any stage)	1886	55.5	24.2	54.4	75
-> Use of TRUS in cT1/cT2	277	45	0	36.4	80
-> Use of MRI in cStage II-III	1445	78.1	66.7	87.5	97.5
<b>QCI: Locoregional staging by TRUS + CT pelvis and/or MRI pelvis</b>	1441	42.4	10	33.6	57.9
<b>QCI: cCRM reported in cStage II-III if radical</b>	1013	32.9	0	10.6	40
<b>TUMOUR CLINICAL STAGE</b>					
-> cStage0	16	0.3	0	0	0
-> cStageI	617	13.3	4.9	11.1	20
-> cStageII	739	15.9	10.5	17.9	23
-> cStageIII	2470	53.1	40	50.7	61.6
-> cStageIV	641	13.8	7.8	12.2	18.8
-> cStageX	169	3.6	0	0	4.8
-> cStage missing	807	14.8	0	6.7	20
<b>QCI: CEA before any treatment</b>	4330	79.3	71.4	86.1	97.8

***Time to first treatment***

	<b>N Procare</b>	<b>%Procare</b>	<b>p25</b>	<b>median</b>	<b>p75</b>
<b>Missing date of biopsy or first consultation</b>	729	13.4	0	3.3	18
<b>Global (days)</b>	28		22	28.8	36
<b>First treatment surgery (days)</b>	26		18	27	35
<b>First treatment (C)RT (days)</b>	27		22	29	35
<b>First treatment palliative C(R)T (days)</b>	30		24	33	40

**Neoadjuvant treatment**

	N Procure	%Procure	p25	median	p75
<b>QCI: Neoadjuvant treatment (C)RT for cstage II-III with radical resection</b>	2350	76.3	60	77.2	89.4
-> For high RC	219	47.8	14.3	44.4	73.7
-> For mid RC	948	78.5	60	78.8	94.1
-> For low RC	1129	84	71.4	88.9	100
<b>QCI: Long course (C)RT without interruption for cStage II-III</b>	1765	97.9	99	100	100
<b>Long course (C)RT if cCRM &lt;= 2mm</b>	455	78.3	50	78.6	100
<b>Neoadjuvant treatment (C)RT in cStage I with radical resection</b>	91	17	0	0	17
-> For high RC	12	9.1	0	0	0
-> For mid RC	23	11.4	0	0	0
-> For low RC	55	27.5	0	0	50
<b>QCI: cStage II-III treated with 5FU that received continuous 5FU</b>	820	92.1	95.8	100	100
<b>Missing date first irradiation</b>	593	18.9	2.4	9.5	32.2
<b>Missing date last irradiation</b>	627	19.9	2.7	11.3	34.9
<b>Missing number of fractions</b>	551	17.5	2.7	10	28.4
<b>Missing total dose</b>	594	18.9	2.7	10	33.3
<b>Missing radiation compliance</b>	581	18.5	0.8	8.7	34.2
<b>Missing concomitant chemotherapy</b>	124	3.9	0	1.6	7
<b>QCI: Surgery 4-12 weeks after long course (C)RT for cStage II-III</b>	1701	98.3	100	100	100

**Surgery**

	N Procure	%Procure	p25	median	p75
<b>MODE OF SURGERY</b>					
-> Elective/ scheduled	4487	98.7	97.6	100	100
-> Urgent: emergency	61	1.3	0	0	2.4
-> Missing data on mode of surgery	412	8.3	0	1.6	6.3
<b>APPROACH RESECTION IF RADICAL</b>					
-> Resection by Laparotomy	3045	67.3	42.9	78.4	100
-> Resection by Laparoscopy	1295	28.6	0	13.3	46.8
-> Resection by converted Laparoscopy	184	4.1	0	0	3
-> Missing data on approach for radical resection	337	6.9	0	0	3
<b>APPROACH RECONSTRUCTION IF RADICAL</b>					
-> Reconstruction by Laparotomy	3110	69.5	50	84.6	100
-> Reconstruction by Laparoscopy	1235	27.6	0	12.3	42.9
-> Reconstruction by converted Laparoscopy	127	2.8	0	0	3.6
-> Missing data on approach for reconstruction	389	8	0	0.6	9.2
<b>QCI: STATUS AFTER RADICAL RESECTION</b>					
-> R0	3773	78	71.4	79.7	84.5
-> R1	511	10.6	1.9	8.2	14.1
-> R2	554	11.5	5.6	10.2	16.9
-> Missing data on R status	23	0.5	0	0	0.5
<b>QCI: Rectal perforation</b>	306	6.3	0	5.6	9.5
-> Missing data on perforation of rectum	380	7.8	0	0	6.3
<b>Distal margin involvement if radical resection for low RC</b>	36	4.5	0	0	3.8
<b>(y)pCRM positivity if radical resection</b>	546	17.5	9.8	16.1	25
-> For high RC	83	16.6	0	10.6	25
-> For mid RC	195	16.2	0	14.3	25
-> For low RC	244	18.7	3.6	15.8	29.1
-> Missing (y)pCRM	1096	26	17	28.6	50

	N Procure	%Procure	p25	median	p75
<b>TECHNIQUE OF RESECTION</b>					
-> PME	817	16.8	5.6	17.1	26.9
-> TME	3993	82.3	72.5	81.8	94.4
-> Conventional	41	0.8	0	0	0
-> Missing technique of resection	10	0.2	0	0	0
<b>TYPE OF RECONSTRUCTION</b>					
-> Local excision/TEM (Global)	90	2	0	0	2.3
<b>QCI: APER + Hartmann (global)</b>	1168	23.7	17.5	26.4	33.3
-> For high RC	34	4.2	0	0	5.4
-> For mid RC	132	7.4	0	4.6	12.1
-> For low RC	890	46.6	37.5	54.5	69.2
<b>SSO (Global)</b>	3367	74.9	64.3	73	81.6
-> High anterior resection + CRA	94	2.1	0	0	2.3
-> Low anterior resection + CRA	656	14.6	2.9	14.9	27.2
-> Restorative rectum resection (Global)	2617	58.2	40	53.2	64.9
-- >> RRR + straight CAA	945	21	7.1	18	33.3
-- >> RRR + coloplasty	76	1.7	0	0	1.2
-- >> RRR + pouch	902	20.1	0	3	25
-- >> RRR + side-to-end CAA	694	15.4	0	3.8	20
-> Ileal pouch anal anastomosis	14	0.3	0	0	0
<b>Missing type of reconstruction</b>	255	5.6	0	0	6.7
<b>DISTAL ANASTOMOSIS TECHNIQUE IF SSO FOR LOW RC</b>					
-> Stapled	615	64.4	63.6	94.7	100
-> Manual	340	35.6	0	5.3	36.4
-> Missing data on technique of anastomosis	21	2.2	0	0	0
<b>Derivate Stoma if PME + SSO + Reconstruction</b>	152	20	0	14.3	33.3
-> Missing data on stoma if PME + SSO + recon.	3	0.4	0	0	0
<b>Derivate Stoma if TME + SSO + Reconstruction</b>	1716	65.6	47.3	76.4	96.2
-> Missing data on stoma if TME + SSO + recon.	1	0	0	0	0
<b>QCI: Major leak after PME + SSO + reconstruction</b>	42	5.5	0	0	8.3

	N Procare	%Procare	p25	median	p75
<b>QCI: Major leak after TME + SSO + reconstruction</b>	153	5.8	0	2.3	7.8
-> With derivate Stoma	62	3.6	0	0	4.1
-> Without derivate Stoma	91	9.9	0	6.2	15.3
<b>Derivative stoma 1 year after SSO</b>	61	17.5	0	13.8	40.7
<b>QCI: 30 day mortality if radical resection</b>	71	1.5	0	0	2.4
<b>QCI: Major surgical morbidity after surgical resection</b>	352	7.6	1.8	6	10.2
-> ASA 1	1056	25.1	11	24.8	42.1
-> ASA 2	2223	52.9	39.7	50	64.2
-> ASA 3	884	21.1	10	19.5	26.6
-> ASA > 3	46	1.1	0	0	1
-> Missing data on ASA	662	13.6	0	4.3	25
<b>Median length of hospital stay (days)</b>	11		10	12	14
<b>Missing date of discharge</b>	444	9.3	0	2.9	12

**Pathology**

	N Procure	%Procure	p25	median	p75
<b>QCI: Use of report sheet (since 1/2007)</b>	3495	95.1	94.7	100	100
<b>QCI: REPORT ON QUALITY IF TME</b>					
-> Report on quality if TME (since 1/2007)	2316	76.1	46.6	69.2	90.6
-> TME severely irregular	260	11.2	0	6.4	14.3
<b>QCI: (y)pCRM reported in mm (if radical resection)</b>	3110	77	57.6	74.4	87
<b>QCI: Distal margin involvement reported (after SSO + Hartmann for low RC)</b>	2925	93.8	87	97	100
<b>Distal margin (in cm) mentioned (after SSO + Hartmann for low RC)</b>	2770	85.8	68.3	91.6	100
<b>MEAN (CM) DISTAL TUMOUR-FREE MARGIN AT SSO OR HARTMANN</b>					
-> For high RC	4.1		3.5	4	4.5
-> For mid RC	3		2.2	2.7	3.3
-> For low RC	1.7		1.4	1.8	2.2
-> Missing data on length of distal margin	460	14.3	0	8.4	31.8
<b>(y)pT CATEGORIES IF RADICAL RESECTION</b>					
-> (y)pT0	419	9.2	2.2	6.7	12.5
-> (y)pTis	33	0.7	0	0	0
-> (y)pT1	374	8.2	0	6.6	11.1
-> (y)pT2	1156	25.4	19.5	23.9	29.9
-> (y)pT3	2229	49	40.3	50	57.4
-> (y)pT4	335	7.4	0	4.9	11.3
-> Missing data on (y)pT	314	6.5	0	1.9	11
<b>(y)pN CATEGORIES IF RADICAL RESECTION</b>					
-> (y)pN0	2897	63.9	56.5	63.5	69.8
-> (y)pN+	1639	36.1	30.2	36.5	43.5
-> Missing data on (y)pN	306	6.3	0	1.6	9.4

	N Procure	%Procure	p25	median	p75
<b>QCI: MEDIAN NUMBER OF NODES EXAMINED</b>					
-> No or short course neoadj RT	13		11	13	15
-> Long course neoadj RT	10		8	10	12
-> Course type missing	12		8	10.5	13
<b>QCI: Regression grade (Dworak) reported (after long course)</b>	1754	81.4	51.3	82	93.5
<b>(y)p STAGE IF RADICAL RESECTION</b>					
-> ypStage0	374	8.2	0	5.2	11.7
-> (y)pStageI	1102	24.2	15.9	24.4	30
-> (y)pStageII	1077	23.6	16.3	23.3	29.9
-> (y)pStageIII	1158	25.4	16.4	25	31.3
-> (y)pStageIV	572	12.5	7	11	18.1
-> (y)pStageX	279	6.1	0	0	1.9
-> Missing (y)pStage	299	6.2	0	2.1	9.4

**Adjuvant treatment**

	<b>N Procare</b>	<b>%Procare</b>	<b>p25</b>	<b>median</b>	<b>p75</b>
<b>QCI: Adjuvant chemo for (y)pStage III, R0, started within 3 months</b>	139	93.9	100	100	100
<b>Missing data adj chemo for (y)pStage III, R0</b>	747	83.5	73.2	100	100
<b>QCI: Adj. chemo for (y)pStage II-III, R0, started within 3 mo.</b>	258	95.6	100	100	100
<b>Missing data adj chemo for (y)pStage II-III, R0</b>	1537	85.1	75	95.5	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
<b>FOLLOW-UP DATA REPORT FORM</b>					
-> At 6 months	1885	40.6	6.3	27	53
-> At 12 months	1671	39.6	1.5	21.1	51.9
-> At 18 months	1189	31.7	0	14	40
-> At 24 months	1018	31	0	14.3	44.1
-> At 30 months	710	25.1	0	9.1	31.3
-> At 36 months	653	26.6	0	11.1	36.8
-> At 42 months	444	20.9	0	8.7	27.3
-> At 48 months	395	22.3	0	0	27.6
-> At 54 months	228	15.6	0	1.9	18.2
-> At 60 months	323	28.7	0	0	32.4