

**Demographic Data**

	N Procare	%Procare	p25	median	p75
<b>Number of Patients registered</b>	6334		11	44	96
<b>SEX</b>					
-> <b>Number of male patients</b>	3952	62	56	62	68
-> <b>Number of female patients</b>	2382	38	33	38	44
<b>AGE</b>					
-> <b>Mean age</b>	67		66	68	69
-> <b>Median age</b>	68		67	69	70.8

**Pretreatment diagnosis, staging and function**

	N Procare	%Procare	p25	median	p75
<b>QCI: DOCUMENTED DISTANCE</b>					
-> High (>10cm)	939	17.7	6.5	14.6	24.7
-> Mid (> 5 - <= 10cm)	2121	39.9	35	40.4	50
-> Low (<= 5cm)	2256	42.4	33.3	41.3	50
-> Missing lower limit	1018	16.1	0	5	14.3
<b>QCI: Complete large bowel imaging</b>	4864	97.2	97	100	100
<b>QCI: CT abdomen and CT or RX thorax</b>	2840	81.6	73.1	90	100
<b>USE OF IMAGING</b>					
-> Use of any imaging (CT/MRI/TRUS)	3429	85.9	73.2	93.9	100
-> Use of TRUS (any stage)	1826	45.7	15.8	42.9	66.7
-> Use of CT pelvis (any stage)	3017	75.5	59.3	82.1	94.6
-> Use of MRI (any stage)	2234	55.9	31.6	55.9	74.4
-> Use of TRUS in cT1/cT2	332	47	9.6	36.1	73.9
-> Use of MRI in cStage II-III	1707	77.5	66.7	88.2	98.6
<b>QCI: Locoregional staging by TRUS + CT pelvis and/or MRI pelvis</b>	1730	43.3	10	39.3	60.9
<b>QCI: cCRM reported in cStage II-III if radical</b>	1178	33.8	0	12.5	40.5
<b>TUMOUR CLINICAL STAGE</b>					
-> cStage0	20	0.4	0	0	0
-> cStageI	668	12.7	5.5	11.1	20
-> cStageII	808	15.4	9.9	16.9	23.8
-> cStageIII	2799	53.4	40	50.4	61.3
-> cStageIV	749	14.3	7.4	12.2	19.1
-> cStageX	200	3.8	0	0.7	5.2
-> cStage missing	1090	17.2	0	5.9	23.4
<b>QCI: CEA before any treatment</b>	4886	77.1	66.1	86.1	95.7

***Time to first treatment***

	N Procure	%Procure	p25	median	p75
Missing date of biopsy or first consultation	1004	15.9	0	3.2	18.8
Global (days)	28		23.5	30	37.5
First treatment surgery (days)	26		19	28	36.5
First treatment (C)RT (days)	26		21	29	36
First treatment palliative C(R)T (days)	28.5		23	30	42

**Neoadjuvant treatment**

	N Procure	%Procure	p25	median	p75
<b>QCI: Neoadjuvant treatment (C)RT for cstage II-III with radical resection</b>	2668	76.6	61	77.8	89.5
-> For high RC	252	49.1	9.5	42.9	73.7
-> For mid RC	1072	78.6	66.1	79.6	94.7
-> For low RC	1282	84.7	75	89.8	100
<b>QCI: Long course (C)RT without interruption for cStage II-III</b>	2000	98.1	99.1	100	100
<b>Long course (C)RT if cCRM &lt;= 2mm</b>	513	77.6	50	78.2	95.7
<b>Neoadjuvant treatment (C)RT in cStage I with radical resection</b>	97	16	0	0	15
-> For high RC	13	9.2	0	0	0
-> For mid RC	25	11.3	0	0	0
-> For low RC	58	26	0	0	47.2
<b>QCI: cStage II-III treated with 5FU that received continuous 5FU</b>	993	93.4	97.8	100	100
<b>Missing date first irradiation</b>	689	19.3	2.2	8.5	33.3
<b>Missing date last irradiation</b>	723	20.2	2.9	10	38.1
<b>Missing number of fractions</b>	630	17.6	2.5	8.7	33.3
<b>Missing total dose</b>	675	18.9	2.2	9.3	33.3
<b>Missing radiation compliance</b>	671	18.8	0	8.5	33.3
<b>Missing concomitant chemotherapy</b>	129	3.6	0	0.8	6.5
<b>QCI: Surgery 4-12 weeks after long course (C)RT for cStage II-III</b>	1900	97.9	98.1	100	100

**Surgery**

	N Procure	%Procure	p25	median	p75
<b>MODE OF SURGERY</b>					
-> Elective/ scheduled	5005	98.7	97.5	100	100
-> Urgent: emergency	65	1.3	0	0	2.5
-> Missing data on mode of surgery	660	11.5	0	2.5	10.6
<b>APPROACH RESECTION IF RADICAL</b>					
-> Resection by Laparotomy	3282	65	40.4	73	100
-> Resection by Laparoscopy	1553	30.8	0	19	46.8
-> Resection by converted Laparoscopy	212	4.2	0	0	4.1
-> Missing data on approach for radical resection	588	10.4	0	0.5	7.1
<b>APPROACH RECONSTRUCTION IF RADICAL</b>					
-> Reconstruction by Laparotomy	3366	67.5	50	76.6	100
-> Reconstruction by Laparoscopy	1476	29.6	0	19	44.8
-> Reconstruction by converted Laparoscopy	146	2.9	0	0	3.8
-> Missing data on approach for reconstruction	647	11.5	0	1.8	11.8
<b>QCI: STATUS AFTER RADICAL RESECTION</b>					
-> R0	3710	73	62.5	73.9	79
-> R1	737	14.5	6	14	19.8
-> R2	635	12.5	5.1	11.8	18.4
-> Missing data on R status	553	9.8	0.5	6.9	20.3
<b>QCI: Rectal perforation</b>	340	6.1	0	4.6	8.6
-> Missing data on perforation of rectum	634	11.3	0	1.2	11.4
<b>Distal margin involvement if radical resection for low RC</b>	41	4.7	0	0	5.1
<b>(y)pCRM positivity if radical resection</b>	596	17.2	8.3	16.3	25
-> For high RC	87	16	0	11.1	20
-> For mid RC	209	15.6	0	13.9	25
-> For low RC	268	18.3	0	16.7	25
-> Missing (y)pCRM	1284	27	18.7	29.6	50.7

	N Procure	%Procure	p25	median	p75
<b>TECHNIQUE OF RESECTION</b>					
-> PME	891	16.5	3.6	16.1	25.6
-> TME	4472	82.7	70.8	83.2	96.4
-> Conventional	43	0.8	0	0	0
-> Missing technique of resection	229	4.1	0	0	1.7
<b>TYPE OF RECONSTRUCTION</b>					
-> Local excision/TEM (Global)	96	1.9	0	0	2
<b>QCI: APER + Hartmann (global)</b>	1281	22.7	16.7	23.3	33.3
-> For high RC	34	3.8	0	0	5.4
-> For mid RC	144	7.3	0	4.5	12
-> For low RC	984	46.5	37.2	52.6	69
<b>SSO (Global)</b>	3752	75.2	63.6	73.2	83.4
-> High anterior resection + CRA	110	2.2	0	0	2.4
-> Low anterior resection + CRA	706	14.2	0.7	13.1	25.2
-> Restorative rectum resection (Global)	2936	58.9	42.2	55.6	66.7
-- >> RRR + straight CAA	1033	20.7	7.7	18.2	34.2
-- >> RRR + coloplasty	79	1.6	0	0	1.1
-- >> RRR + pouch	988	19.8	0	2.2	21.5
-- >> RRR + side-to-end CAA	836	16.8	0	4.9	20
-> Ileal pouch anal anastomosis	16	0.3	0	0	0
<b>Missing type of reconstruction</b>	328	6.5	0	0.7	8.4
<b>DISTAL ANASTOMOSIS TECHNIQUE IF SSO FOR LOW RC</b>					
-> Stapled	680	64.1	63.6	93.3	100
-> Manual	381	35.9	0	6.7	36.4
-> Missing data on technique of anastomosis	26	2.4	0	0	0
<b>Derivate Stoma if PME + SSO + Reconstruction</b>	173	20.8	0	16.7	35.5
-> Missing data on stoma if PME + SSO + recon.	3	0.4	0	0	0

	N Procare	%Procare	p25	median	p75
<b>Derivate Stoma if TME + SSO + Reconstruction</b>	1971	67.1	46	76.7	100
-> Missing data on stoma if TME + SSO + recon.	3	0.1	0	0	0
<b>QCI: Major leak after PME + SSO + reconstruction</b>	44	5.3	0	0	9.1
<b>QCI: Major leak after TME + SSO + reconstruction</b>	164	5.5	0	1.8	7.5
-> With derivate Stoma	69	3.4	0	0	4.2
-> Without derivate Stoma	95	9.7	0	4.8	14.3
<b>Derivative stoma 1 year after SSO</b>	70	19	8.3	13.4	37.5
<b>QCI: 30 day mortality if radical resection</b>	75	1.3	0	0	2
<b>QCI: Major surgical morbidity after surgical resection</b>	398	7.7	0	6.3	9.7
-> ASA 1	1148	24.4	9.7	23.2	40
-> ASA 2	2496	53.1	40	51.4	63
-> ASA 3	1007	21.4	8.8	19.5	26.7
-> ASA > 3	48	1	0	0	1
-> Missing data on ASA	938	16.6	0	5.6	29.6
<b>Median length of hospital stay (days)</b>	11		10	11	14
<b>Missing date of discharge</b>	683	12.3	0	3.6	14.4

**Pathology**

	N Procare	%Procare	p25	median	p75
QCI: Use of report sheet (since 1/2007)	3967	94.6	93.8	100	100
QCI: REPORT ON QUALITY IF TME					
-> Report on quality if TME (since 1/2007)	2654	76.2	45.5	68.5	90.8
-> TME severely irregular	304	11.5	0	5.9	12.7
QCI: (y)pCRM reported in mm (if radical resection)	3468	76.4	50	71.4	84.4
QCI: Distal margin involvement reported (after SSO + Hartmann for low RC)	3256	94.2	86.9	97.4	100
Distal margin (in cm) mentioned (after SSO + Hartmann for low RC)	3070	85.2	68.4	91.3	97
MEAN (CM) DISTAL TUMOUR-FREE MARGIN AT SSO OR HARTMANN					
-> For high RC	4.1		3.5	4	4.5
-> For mid RC	3		2.3	2.8	3.5
-> For low RC	1.7		1.4	1.7	2
-> Missing data on length of distal margin	536	14.9	3	8.7	31.6
(y)pT CATEGORIES IF RADICAL RESECTION					
-> (y)pT0	489	9.3	2.1	7.2	12.5
-> (y)pTis	35	0.7	0	0	0
-> (y)pT1	450	8.6	0	6.6	11.1
-> (y)pT2	1340	25.5	20	23.8	31.4
-> (y)pT3	2568	48.8	40	50	55.7
-> (y)pT4	377	7.2	0	4.3	10.5
-> Missing data on (y)pT	374	6.6	0	2.8	10.6
(y)pN CATEGORIES IF RADICAL RESECTION					
-> (y)pN0	3362	63.9	58.8	63.3	70.1
-> (y)pN+	1901	36.1	29.9	36.8	41.2
-> Missing data on (y)pN	350	6.2	0	2.1	9.2



	<b>N Procare</b>	<b>%Procare</b>	<b>p25</b>	<b>median</b>	<b>p75</b>
<b>QCI: MEDIAN NUMBER OF NODES EXAMINED</b>					
-> No or short course neoadj RT	13		11	13.3	15
-> Long course neoadj RT	10		8	10.5	12.5
-> Course type missing	11		8	10.8	13.8
<b>QCI: Regression grade (Dworak) reported (after long course)</b>	2019	82.4	55.2	82.6	95.3
<b>(y)p STAGE IF RADICAL RESECTION</b>					
-> ypStage0	420	7.9	0	5.1	10.5
-> (y)pStageI	1239	23.4	14.3	23.4	30.8
-> (y)pStageII	1206	22.8	16.8	23.5	29.2
-> (y)pStageIII	1297	24.5	16	25	30.5
-> (y)pStageIV	667	12.6	6.7	11.3	17.6
-> (y)pStageX	461	8.7	0	0	3.3
-> Missing (y)pStage	345	6.1	0	2.6	10.3

***Adjuvant treatment***

	<b>N Procure</b>	<b>%Procure</b>	<b>p25</b>	<b>median</b>	<b>p75</b>
<b>QCI: Adjuvant chemo for (y)pStage III, R0, started within 3 months</b>	276	89.6	87.5	100	100
<b>Missing data adj chemo for (y)pStage III, R0</b>	631	67.2	45.5	85.7	100
<b>QCI: Adj. chemo for (y)pStage II-III, R0, started within 3 mo.</b>	456	91.2	88.6	100	100
<b>Missing data adj chemo for (y)pStage II-III, R0</b>	1378	73.4	63.3	84.7	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	2230	42.2	6.3	27.8	57.1
-> At 12 months	1996	40.7	4.2	23.8	50.4
-> At 18 months	1437	32.7	0	17.3	39.8
-> At 24 months	1233	31.9	0	18.2	41.5
-> At 30 months	869	25.4	0	12.5	34.8
-> At 36 months	824	27.3	0	14	31.6
-> At 42 months	576	21.6	0	9.7	24.7
-> At 48 months	545	23.6	0	8.7	26.6
-> At 54 months	327	16.7	0	5.3	17.4
-> At 60 months	519	31.3	0	10	30