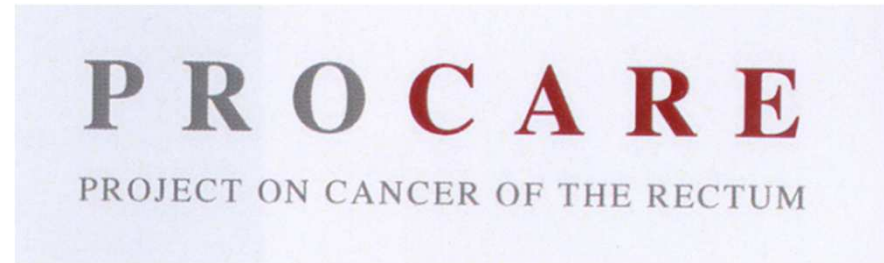


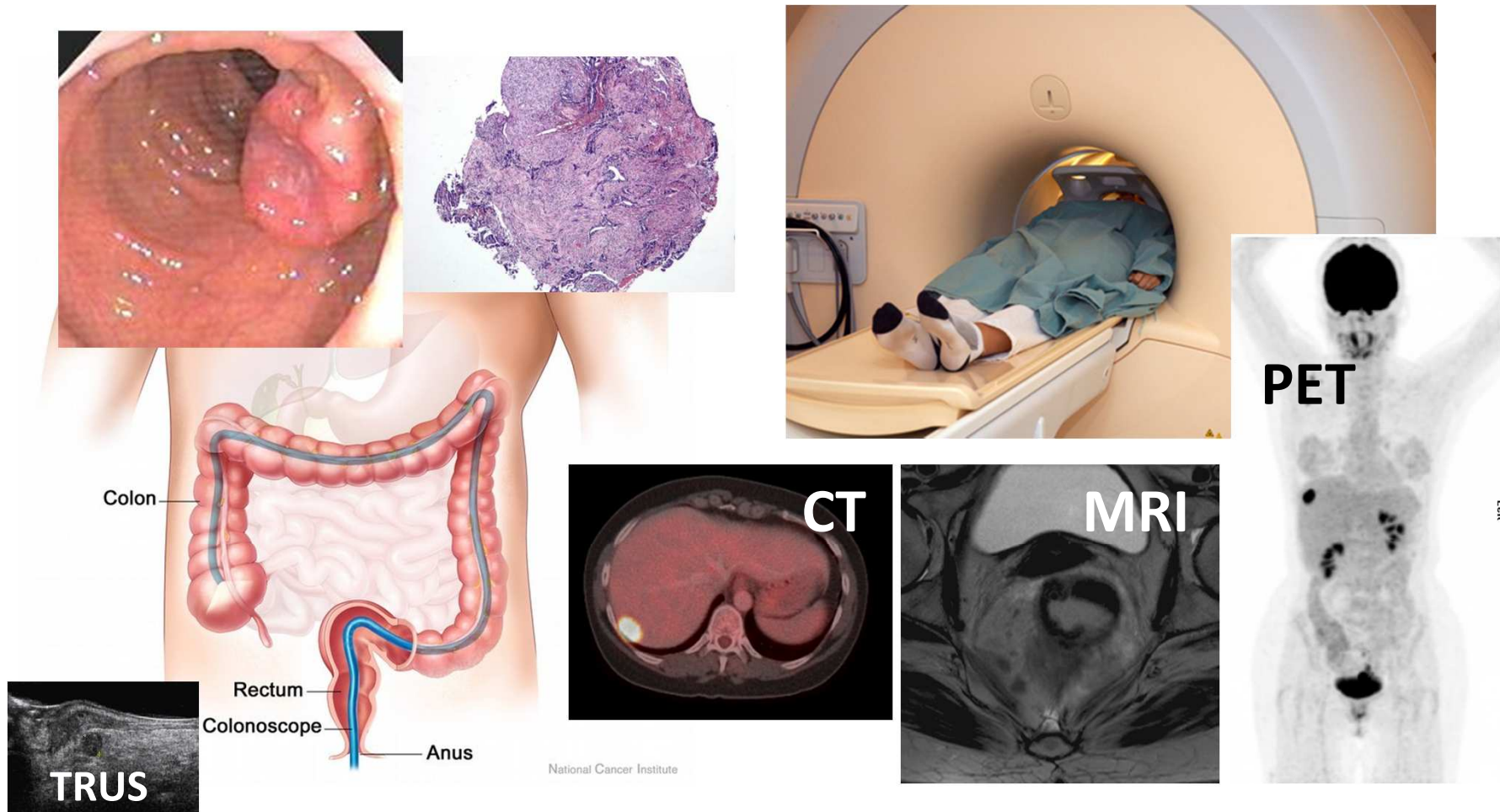
# PROCARE and the Belgian Cancer Registry

## A tandem working in harmony



Penninckx Freddy  
on behalf of PROCARE

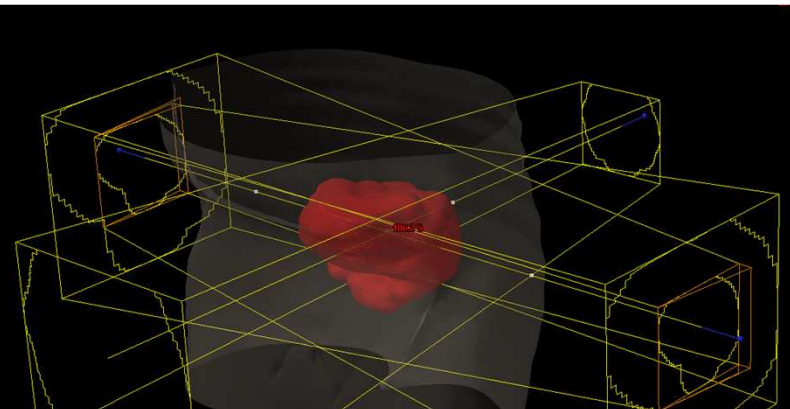
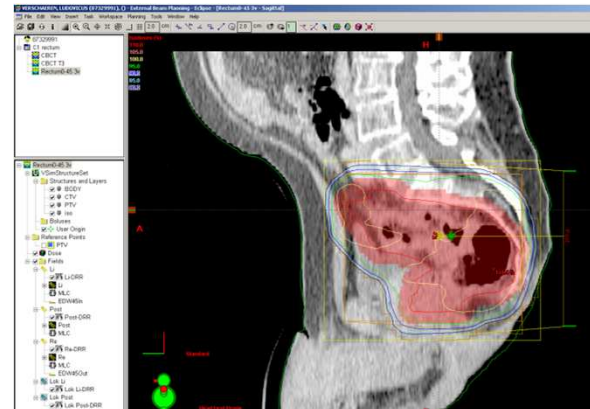
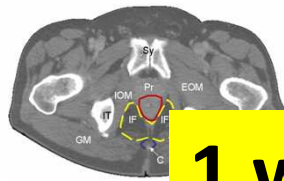
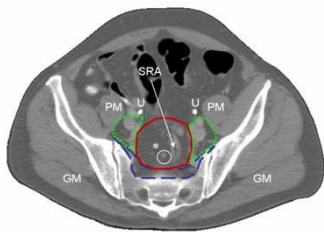
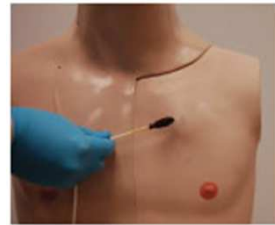
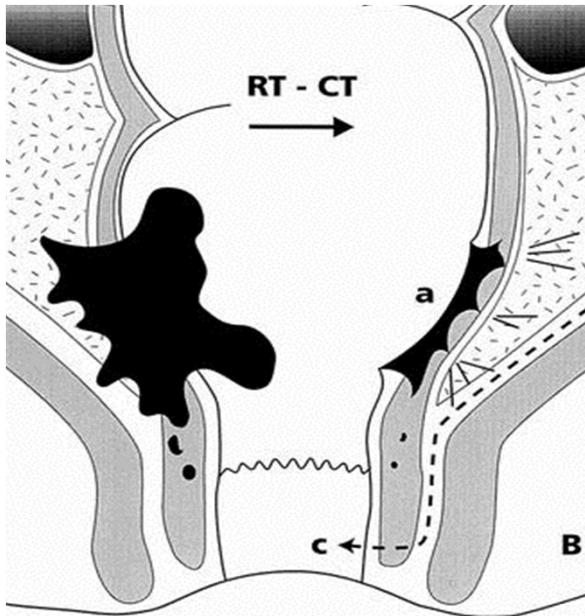
# The management of rectal cancer is multimodal



**4 weeks**

**MDT meeting**

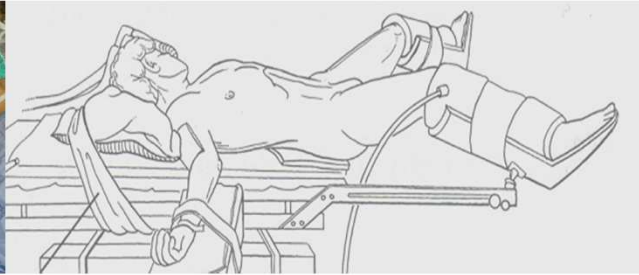
# The management of rectal cancer is multimodal



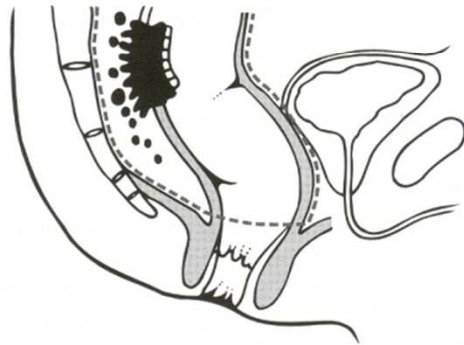
**1 week (RT) or 12 weeks (RCT) to surgery**



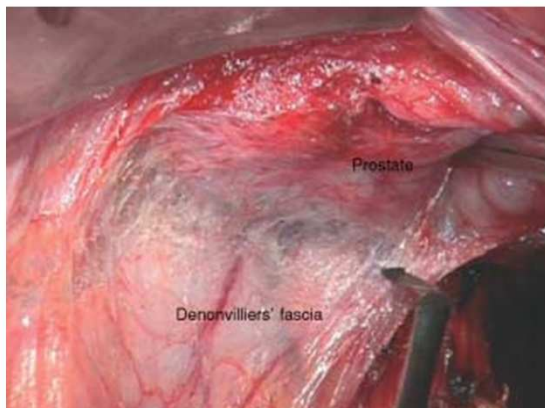
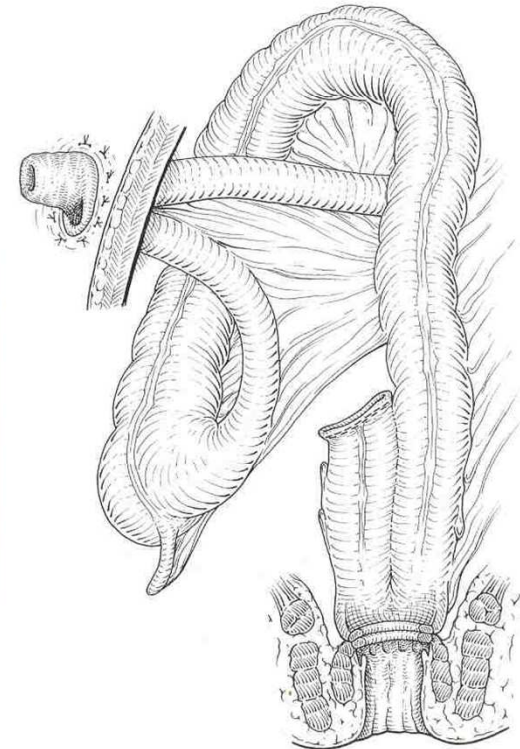
# The management of rectal cancer is multimodal



**52 %  
temp stoma**

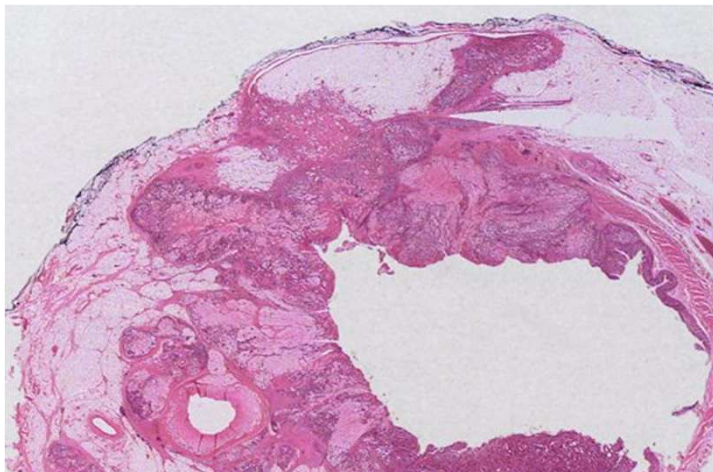
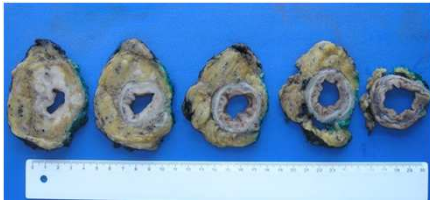


**25 %  
defin stoma**



**12 days**

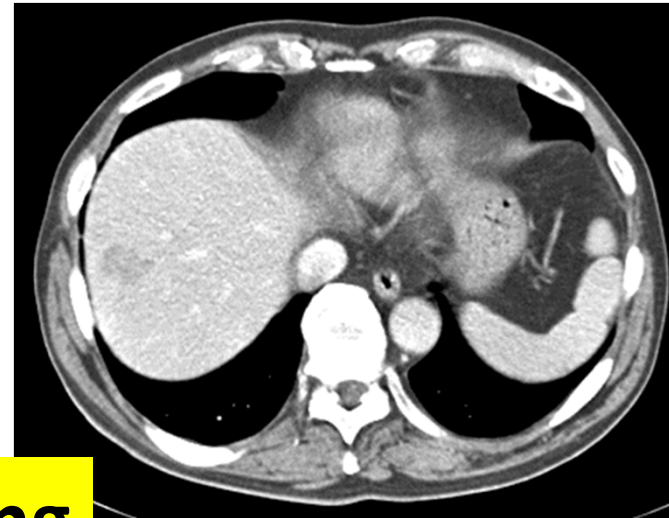
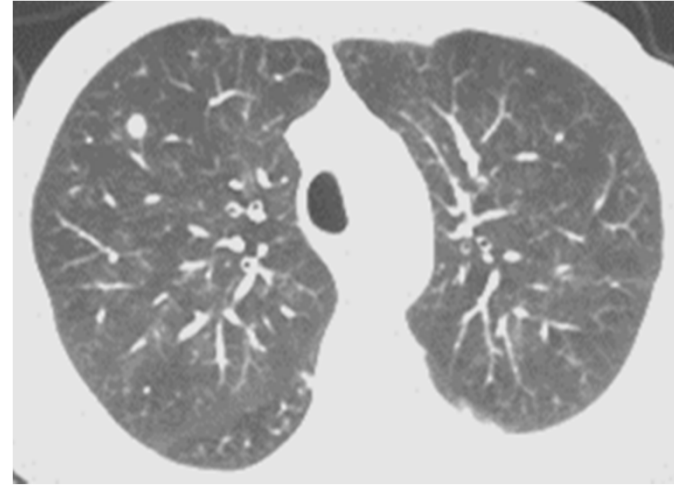
# The management of rectal cancer is multimodal



**6 months**



# The management of rectal cancer is multimodal



**lifelong**

# PROCARE

## PROject on CAncer of the REctum

- variability in diagnosis/staging and therapy
- improvement through implementation of Guidelines
- audit/feedback of QC Indicators is needed
  
- decrease variability & improve outcome of all patients in all centres for all disciplines
  
- national, multidisc., by professionals, voluntary particip., educational non-repressive risk-adjusted feedback

# How PROCARE became possible

- Belgian Foundation against Cancer (2006)
- **RIZIV/INAMI (2007-2012)**
- KCE (2007, 2008, 2010)
  
- Steering Group (all societies)
- **Participating professionals**
- **FBCR**

RBSSurgery (BSCRS), BSSO, BGES
BSRadiotherapy – Oncology
BSPathology (Dig Path Club)
BSMOncology, BGDO
RBSRadiology
VVGE
SRBGE
BSGIEndoscopy
BPSA
FBCR

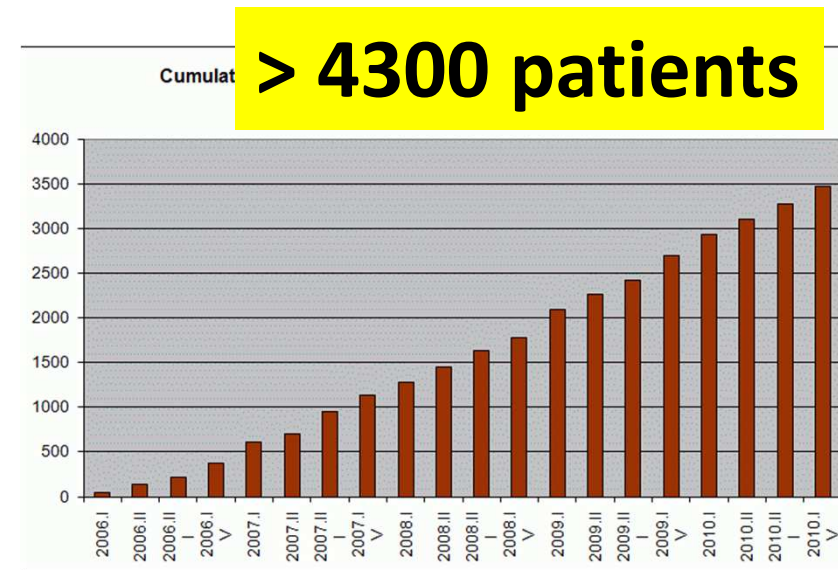


# Why the Foundation Belgian Cancer Registry?

- National
- Cancer registry
- Independent organisation
- Confidentiality

# Contributions of the FBCR

- Registration (2 fte datamanagers)
  - Help in hospital
  - Support online registration
  - Data in database
  - Data ‘cleaning’
- Feedback
- Organisation of training and review processes
- PROCARE website



Procure Registration - Windows Internet Explorer  
 https://spqa2.ebit.be/procareweb/ProcareRIA/procare.html  
 Certificate Error  
 Google

File Edit View Favorites Tools Help  
 Favorites Web Slice Gallery  
 Procure Registration

## Patient information

Medical File ID: 13  
In Progress

**INSS**  
**First name**  
**Name**  
**Sex**

**Date of birth**  
**Medical File ID**  
**Owning hospital** Hospital Moc 2  
**Responsible specialist**

## Chapter listing

**Pretreatment data entry form**  
 15/09/2010

**Operative data entry form**  
 In Progress  
 Hospital Moc 2  
 15/09/2010

**Postoperative data entry form**  
 Owner Validation Requested  
 Hospital Moc 3  
 15/09/2010

**Radiotherapy data entry form**  
 BCR validation requested  
 Hospital Moc 2  
 BCR 15/09/2010

**Pathology data entry form**  
 Final  
 Hospital Moc 2  
 15/09/2010

**Chemotherapy data entry form**

## Follow-up

**6 mo**  
 In Progress  
 Hospital Moc 2  
 15/09/2010

**30 mo**  
 In Progress  
 Hospital Moc 2  
 15/09/2010

Done

Procure Registration - Windows Internet Explorer  
 ebit.be/procareweb/ProcareRIA/procare.html  
 Certificate Error  
 Google

File Edit View Favorites Tools Help  
 Favorites Web Slice Gallery  
 Procure Registration

## Patient information

Operative data entry form  
In Progress

**INSS**  
**First name**  
**Name**  
**Sex**

**Date of birth**  
**Medical File ID**  
**Owning hospital** Hospital Moc 2  
**Responsible specialist**

Was radical resection indicated but not performed?  
 Treatment other than or prior to radical resection  
 Radical resection

**Radical resection**

Yes  
 No  
 Clear

**Planned type of resection**  
 Planned type of radical resection:  Hartmann  
 APER  
 Sphincter saving radical resection  
 Clear

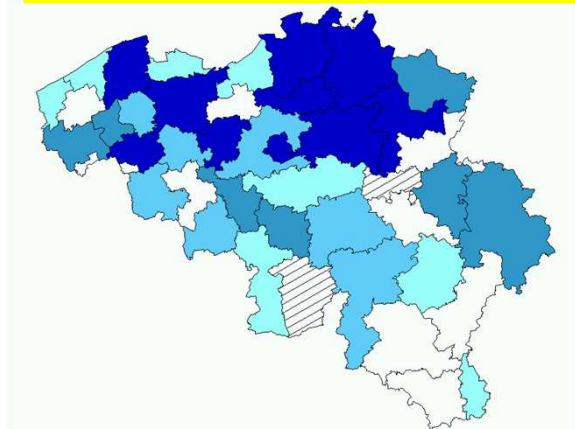
**Preoperative risk (factors of)**  
 ASA:   
 Hct:  Normal  
 Mild systemic disease, normal activity  
 Severe systemic disease, limited activity  
 Life threatening disease, disabled  
 Moribund

**Person data**  
 Weight: 85 kg  
 Height: 178 cm



# Annual feedback from the FBCR with calculation of quality of care indicators

**83/111 hospitals**



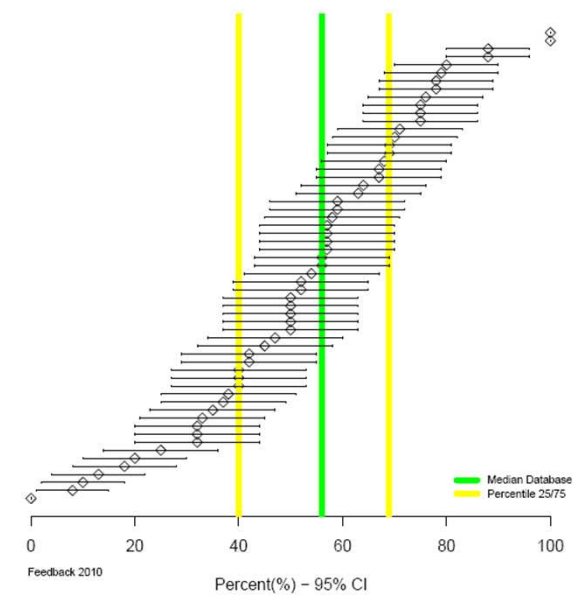
Feedback 2010

**PROCARE**

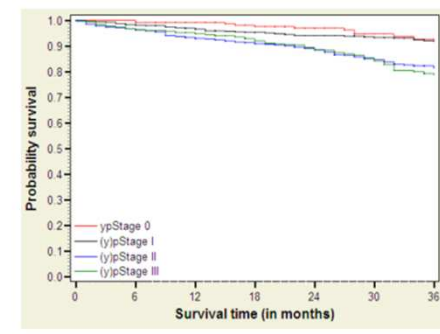
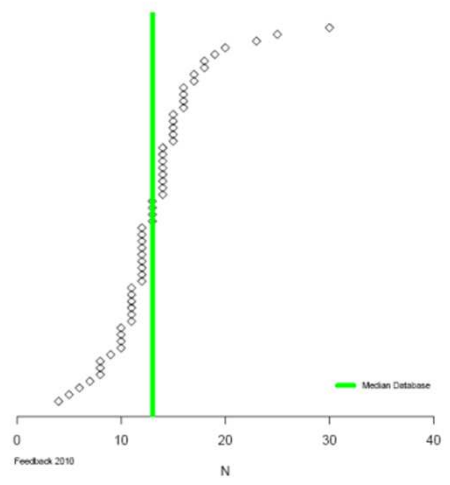
Stages

	N	Procare	%procare	p25	median	p75
<b>MODE OF SURGERY</b>						
-> Elective/ scheduled	2918	96.2	96.8	100	100	100
-> Urgent/ emergency	51	1.8	0	0	3.1	0
-> Missing data on mode of surgery	109	3.7	0	0	4	0
<b>APPROACH RESECTION IF RADICAL</b>						
-> Resection by Laparotomy	2043	70.3	50.5	87.5	100	100
-> Resection by Laparoscopy	743	25.5	0	9.4	40	40
-> Resection by converted Laparoscopy	119	4.1	0	0	4.1	0
-> Missing data on approach for radical resection	30	1	0	0	0	0
<b>APPROACH RECONSTRUCTION IF RADICAL</b>						
-> Reconstruction by Laparotomy	2049	71.3	54.8	85.6	100	100
-> Reconstruction by Laparoscopy	729	25.4	0	9.4	33.3	33.3
-> Reconstruction by converted Laparoscopy	94	3.3	0	0	5.3	5.3
-> Missing data on approach for reconstruction	63	2.1	0	0	3	3
<b>OCI: STATUS AFTER RADICAL RESECTION</b>						
-> R0	2236	76.6	66	78.1	86	86
-> R1	318	10.9	0	9.6	15.4	15.4
-> R2	365	12.5	6.3	11.6	16.2	16.2
-> Missing data on R status	16	0.5	0	0	0	0
<b>OCI: Rectal perforation</b>						
Missing data on perforation of rectum	220	7.6	0	5.7	10.5	10.5
Missing data on perforation of rectum	69	2.3	0	0	2	2
<b>Distal margin involvement if radical resection for low RC</b>						
Missing (y)pCRM	18	3.5	0	0	0	0
<b>(y)pCRM positivity if radical resection</b>						
-> For high RC	361	18.7	8.3	17.1	27.3	27.3
-> For mid RC	55	18	0	11.1	33.3	33.3
-> For low RC	131	17.3	0	15.1	26	26
-> For low RC	165	20	0	15.8	33.3	33.3
Missing (y)pCRM	727	27.3	13.6	26.4	47.4	47.4

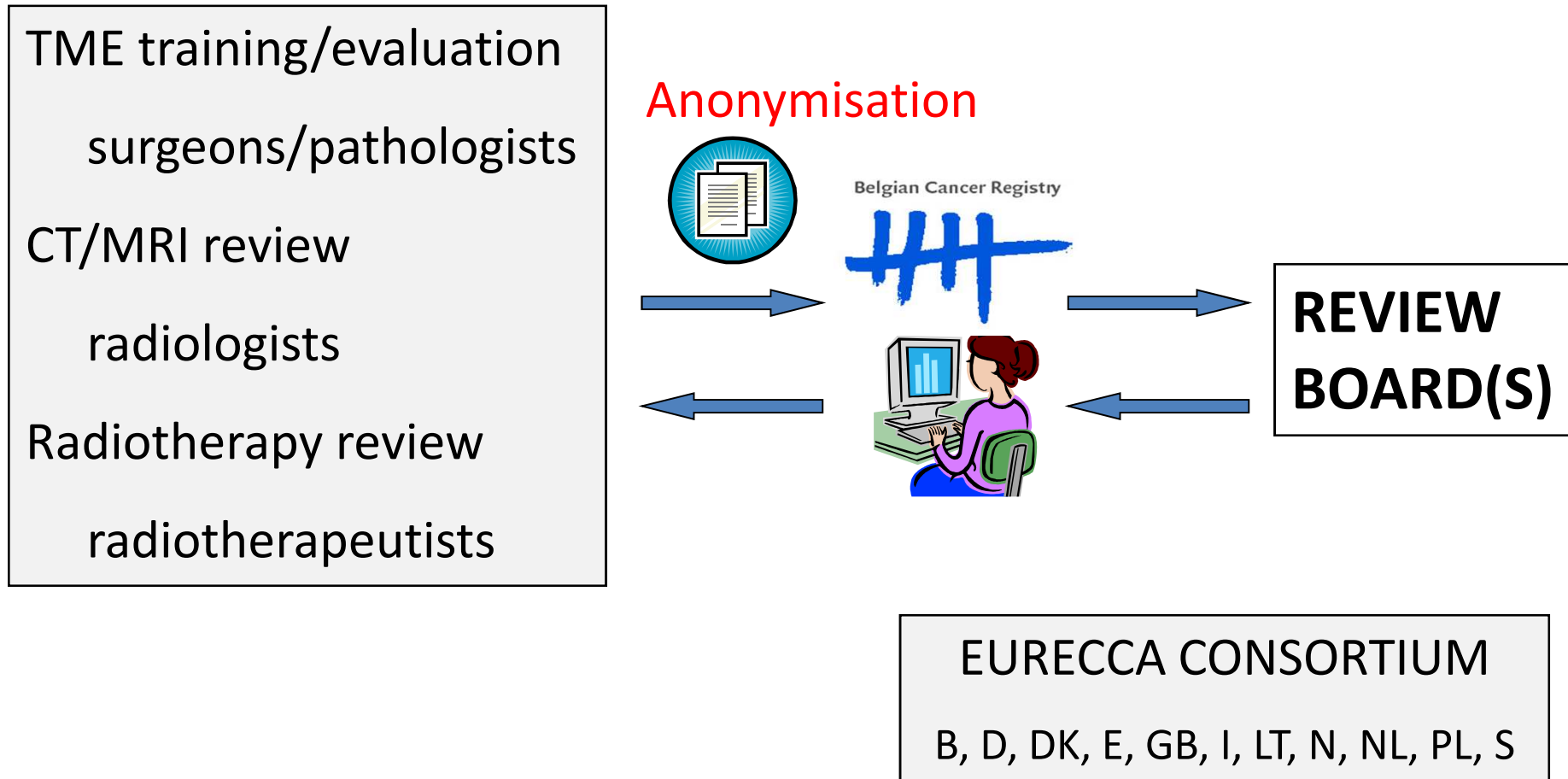
APR/Hartmann – level tumour LOW



Median number of lymph nodes exam in no or short course neoad



# The key-position of the FBCR in PROCARE's training- and review processes



# PROCARE website at the FBCR

http://www.kankerregister.org/ - Windows Internet Explorer

http://www.kankerregister.org/

Bestand Bewerken Beeld Favorieten Extra Help

http://www.kankerregister.org/

Home > PROCARE

**PROCARE**  
PROJECT ON CANCER OF THE RECTUM

Welcome to the PROCARE website

PROCARE, a multidisciplinary project on rectal cancer, presents details of how the project has been working ever since. You can also find more information on the website.

If you are interested in figures, you can find them under the heading "Statistics". The working of the project provides information on entry forms and the TME training procedure.

**Latest news**

- **PROCARE Radiotherapy Reviewing**

Within the PROCARE project, in parallel with the development of treatment modalities for rectal cancer, procedures should be standardized to achieve better outcomes. This requires standardization, with the leadership of Prof. Dr. Marc Haustermans (KUL), a central review facility for reviewing the Clinical Target Volume (CTV) for radiotherapy. This work requires a specific software (Aquilab) and a review center. The Aquilab software is dedicated to the review of an image fusing and multimodality contouring.

By 2008, 24 centers have volunteered for the project. In the second half of 2009, the first 14 centers (UCL, KUL, CMSE Namur, ZNA Middelheim) were selected to establish the review procedure. Based on the successful introduction of the review procedure, 14 other institutions have joined continually in the radiotherapy project until October 2010.

**PROCARE**

- Contact
- Presentation
- Working
- Statistics
- Publications
- Archives





# Conclusions

- PROCARE feels 'at home' and protected at the FBCR
- The FBCR is the ideal organisation for detailed cancer registration
- Detailed registration requires support (data management & analysis)
- Professionals should be helped to improve themselves the Quality of Care