

# Complex Surgery Oesophagus and Gastro-Oesophageal Junction

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## Indicators

Indicators established by the Expert Working Group and approved by the “Stuurgroep Complexe Chirurgie - Groupe de Pilotage Chirurgie Complexe” on 30/04/2019.

### 1. TUMOURAL pathology

#### 1.a. Malignant Tumours

- a) Post-operative in-hospital, 30 day and 90 day mortality (observed and adjusted for age, sex, stage, co-morbidity, performance status)
- b) % of surgically treated patients with R0 resection:
  1. surgical R0
  2. pathological (microscopic) R0
    - 2.a. % involved proximal margin
- c) % patients with major surgical and medical complications
  1. % patients with Dindo IIIb/IV
  2. % patients with pneumonia
  3. % patients with anastomotic leaks
  4. % patients transferred for complications to another hospital
  5. Length of stay (in days)
- d) Time between incidence date and start date primary oncological treatment
  1. Duration (days) between diagnosis and referral (MDT discussion) to expert centre
- e) 1-, 3- and 5-year observed survival and relative survival (observed and adjusted for age, sex, stage, co-morbidity, performance status)

#### **Descriptive indicators:**

- f) Pathology-related indicators
  1. % resection with  $\geq 15$  lymph nodes examined
  2. % lymphovascular invasion
  3. % perineural invasion
- g) Process indicators
  1. % PET/CT performed before radical surgery
  2. % T1a patients treated surgically
- h) Number of resections/year



- i) % complete registration (minimal dataset) – should be very high (>95%)
  - 1. Are all cases registered?
  - 2. Completeness of the registration forms?

### 1.B. Benign Tumours

- a) Post-operative in-hospital, 30 day and 90 day mortality (observed and adjusted for age, sex, co-morbidity, performance status)
- b) % patients with major surgical and medical complications
  - 1. % patients with Dindo IIIb/IV
  - 2. % patients with pneumonia
  - 3. % patients with anastomotic leaks
  - 4. % patients transferred for complications to another hospital
  - 5. Length of stay (in days)
- c) Time between incidence date and start date primary treatment
  - 1. Duration (days) between diagnosis and referral (MDT discussion) to expert centre
- d) 1-, 3- and 5-year observed survival and relative survival (observed and adjusted for age, sex, co-morbidity, performance status)

#### **Descriptive indicators:**

- e) Process indicators
  - 1. % PET/CT performed before radical surgery
- f) Number of resections/year
- g) % complete registration (minimal dataset) – should be very high (>95%)
  - 1. Are all cases registered?
  - 2. Completeness of the registration forms?

## 2. NON-TUMOURAL pathology

- a) Post-operative in-hospital, 30 day and 90 day mortality (observed and adjusted for age, sex, co-morbidity, performance status)
- b) % patients with major surgical and medical complications
  - 1. % patients with Dindo IIIb/IV
  - 2. % patients with pneumonia
  - 3. % patients with anastomotic leaks
  - 4. % patients transferred for complications to another hospital
  - 5. Length of stay (in days)

#### **Descriptive indicators:**

- c) Number of resections/year
- d) % complete registration (minimal dataset) – should be very high (>95%)
  - 1. Are all cases registered?
  - 2. Completeness of the registration forms?