

Background

Endoscopic vacuum therapy – VAC-Sponge



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ESOPHAGEAL PERFORATIONS

Treatment of Boerhaave syndrome and iatrogenic perforations

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ESOPHAGEAL- AND GASTRIC CANCER

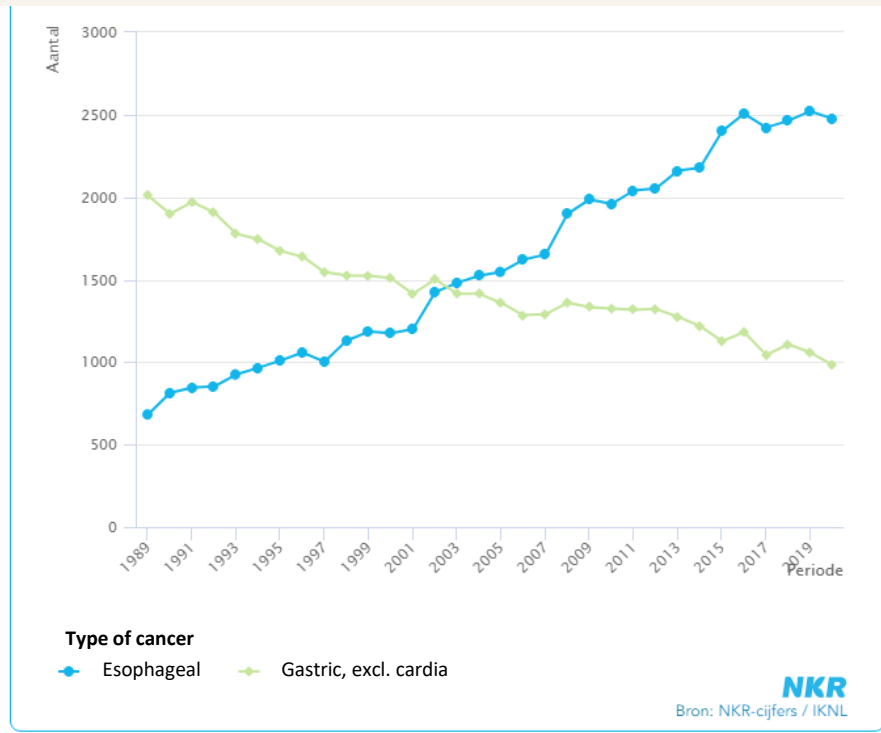
Incidence and treatment of esophageal- and gastric cancer and anastomotic leakage

02

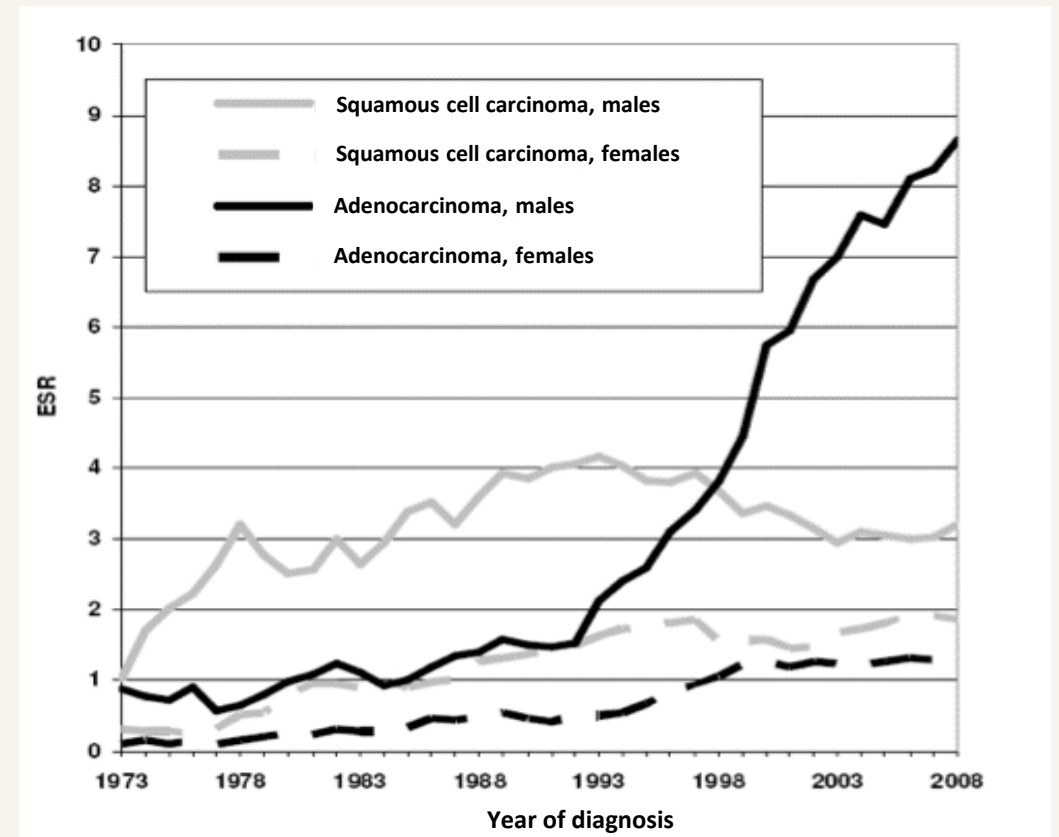


01 Esophageal- and gastric cancer

Incidence of esophageal- and gastric cancer in NL*



Incidence of esophageal cancer in NL*



01 Esophageal- and gastric cancer

Neoadjuvant treatment (generally)

- Esophagus: neoadjuvant chemoradiotherapy (CROSS)
 - Carboplatin and paclitaxel with concurrent radiotherapy
- Stomach: perioperative chemotherapy (FLOT)
 - Fluorouracil plus leucovorin, oxaliplatin and docetaxel



01 Esophageal- and gastric cancer

Operations

Esophagus

Transthoracic

- Intrathoracic anastomosis (Ivor Lewis)
- Cervical anastomosis (McKeown)

Transhiatal

- Cervical anastomosis (Orringer)

Open or minimally invasive

Stomach

- Total gastrectomy and distal esophagectomy
- Total gastrectomy
- Subtotal gastrectomy

Standard in Amsterdam UMC: **minimally invasive Ivor Lewis**

01 Esophageal- and gastric cancer

Treatment options for anastomotic leakage

- **Conservative:** antibiotics, nil by mouth, nasogastric tube, drainage, etc.
- **Endoscopy:** stents, endoscopic vacuum therapy
- **Surgery:** re-do anastomosis, dismantling of the anastomosis (generally involving gastric conduit resection and construction of cervical esophagostomy)



01 Esophageal- and gastric cancer

Endoscopic stents

Pros

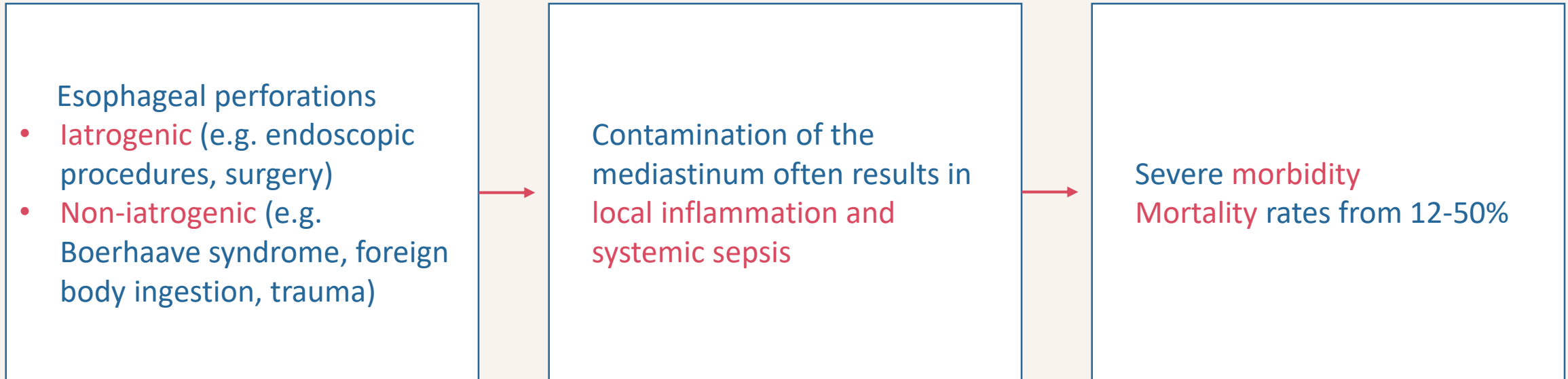
- Easy procedure
- No need for stent exchanges (if in adequate position)

Cons

- Risk of inadequate sealing of defect (persisting leakage)
- Stent migration in ~20%
- Additional drainage required in ~60%
- Tissue overgrowth



02 Esophageal perforations



- › Timely and adequate treatment is vital
- › Best managed by a multidisciplinary approach



02 Esophageal perforations

Treatment options

- Not standardized
- Depends on several factors (e.g. condition of patient, expertise of treating physician)
- **Conservative**: antibiotics, drainage, nil per mouth, nasogastric tube, etc.
- **Endoscopy**: clips, stents or endoscopic vacuum therapy
- **Surgery**: suturing of the defect, esophagectomy (with or without immediate reconstruction)

