



AUGIS



National Oesophago–Gastric Cancer Audit

NCIN Upper GI Workshop
October 2013

Aim of the Audit

- ▶ To assess the quality of care for patients with oesophago-gastric cancer in England and Wales
- ▶ It examines issues related to:
 - Process of diagnosis, staging and treatment planning
 - Treatments received by curative and palliative patients
 - Outcomes of care such as survival, postoperative complications

Project team

AUGIS

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Second Annual Report – Jun 2013

- ▶ Patients diagnosed Apr 2011 – Mar 2012
- ▶ Participation:
 - 153/154 eligible English NHS trusts (83% case-ascert)
 - All 14 Welsh NHS organizations

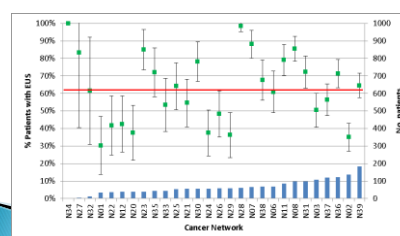
	England	Wales	Total
Tumour	10,744	772	11,516
Primary chemo-radiotherapy	5,155	149	5,304
Endo-palliative	1,557	123	1,680
Surgery	2,253	89	2,342
Pathology	2,295	99	2,394

Patient characteristics

		Oes SCC	Upper/ Mid ACA	Lower / SI	GOJ / SII	Stomach	Total
Number of patients	Total	2,236	762	3,583	1,381	3,454	11,516
	Ratio women:men	1:1.0	1:2.6	1:4.2	1:3.8	1:1.7	1:2.2
Median age (years)	Women	75	77	74	74	77	76
	Men	70	72	69	70	74	71
Performance status >3	%	11.7	9.3	8.2	7.8	15.2	10.9
Comorbid >1	%	33.8	30.1	36.5	36.8	35.0	35.0

Staging investigations

- ▶ 91% had a CT scan
 - 96% among younger fitter patients
- ▶ Use of EUS and staging laparoscopy variable among patients with curative intent



Curative treatment

- Overall 35% had curative treatment plan.
- Use of peri-operative oncological therapy
 - For gastric cancers: 55% to 63% since 1st Audit
 - For oesophageal cancers, stable at about 80%

Tumour Site	Stage 2/3		
	No. of Patients	Surgery Alone	Surgery + peri-op chemo
Upper/Middle ACA	101	22%	78%
Lower ACA/Siewert I	709	14%	86%
Siewert II/III	285	21%	79%
Gastric	334	37%	63%
TOTAL	1427	21%	79%

Curative surgery

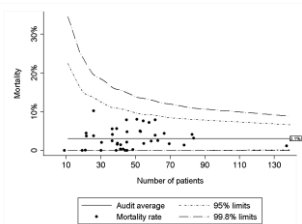
- 2,063 curative procedures

	Oesophagectomy	Gastrectomy
Patients - Surgery Only		
Number of patients	276	344
Patient age (years)	Median 69	76
	IQR 61 to 75	70 to 80
Performance Status	0 or 1	84%
ASA Grade	I or II	71%
	61%	
Patient - Surgery and Chemotherapy		
Number of patients	904	369
Patient age (years)	Median 65	67
	IQR 59 to 70	60 to 73
Performance Status	0 or 1	93%
ASA Grade	I or II	80%
	77%	

Surgical outcomes

	Oesophagectomy			Gastrectomy		
	Rate (%)	95% CI	1st Audit	Rate (%)	95% CI	1st Audit
30 day mortality	1.7	1.0-2.5	3.8	1.1	0.5-2.1	4.5
90 day mortality	3.2	2.2-4.2	5.7	2.8	1.7-4.3	6.9

Risk-adjusted 90-day mortality by NHS trust



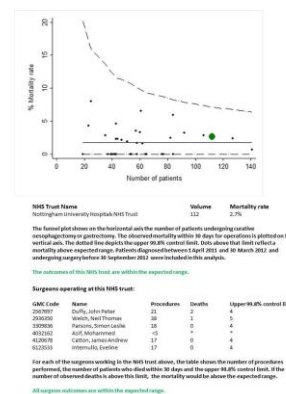
Previous endoscopy in oesophageal cancer pts

- Single centre studies have suggested a significant number of oesophageal cancers may be missed at endoscopy.
- Aim: Estimate of the proportion of cancer patients who had previous endoscopy on a national level.
- Design:
 - Linked NOGCA cohort (diagnosed 2011-2012) to HES data
 - Examined previous endoscopies in 3-36 months before diagnosis
- Results:
 - 6,943 cases of oesophageal cancer in linked dataset
 - 7.8% patients had endoscopy in 3 yrs before diagnosis.
 - 15.9% for stage 0/1 cancers v 1.5% for stage 3/4 cancers

Surgeon-level outcomes

- February 2013: Audit asked to publish outcomes at surgeon-level for patients undergoing curative resections.
- Data on responsible surgeon retrospectively collected
- Outcome = 30-day postoperative mortality (unadjusted)
- Extensive communication with NHS trusts validating data

- Issues to address:
 - Few operations per year
 - Team-based care
 - Dual-surgeon operating
- Future refinements
 - Other outcomes
 - Risk-adjustment



Refinement of dataset

- ▶ Changes to original dataset, reduced number of data items but more mandatory fields.
- ▶ Addition of **High Grade Dysplasia** (HGD) patients to Audit from 1 April 2012

- ▶ New for 2013-14
 - Addition of field to enter GMC number for responsible surgeon and up to 3 additional surgeons.

