# ADVANCING GI PATIENÍ

#### APRIL 28–30, 2023 Frisco, Texas

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#### The GE Junction

Updates, Challenges and Surgical Perspectives

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• I have no relationships to disclose.

### The GE Junction

- Surgical anatomy of the GEJ
- GEJ Adenocarcinoma Staging Workup Role of Advanced Endoscopy
- Updates in Clinical Trial Data
- Surgical and Perioperative Perspective
- Ochsner Experience

#### The GEJ Junction

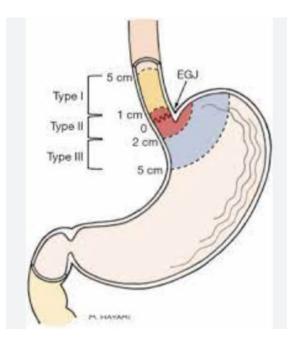
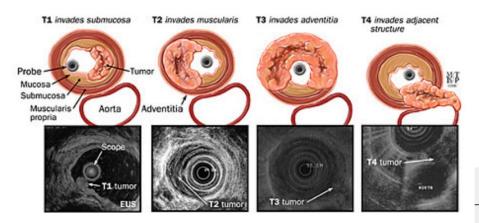


Table 1. Siewert classification of EGJ tumors						
Siewert	Description	Surgical approach				
I	Tumor center located between 5 and 1 cm proximal to the anatomical cardia	Approached as esophageal or EGJ cancer				
11	Tumor center located between 1 cm proximal and 2 cm distal to the anatomical cardia	Approached as esophageal or EGJ cancer				
111	Tumor center located between 2 and 5 cm distal to the anatomical cardia	Approached as gastric cancer				

#### The GEJ Junction

#### Siewart II

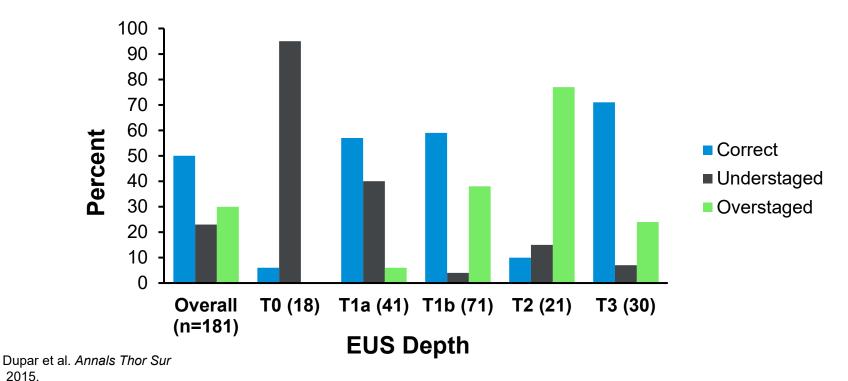
#### EUS Staging – The Surgeon's View



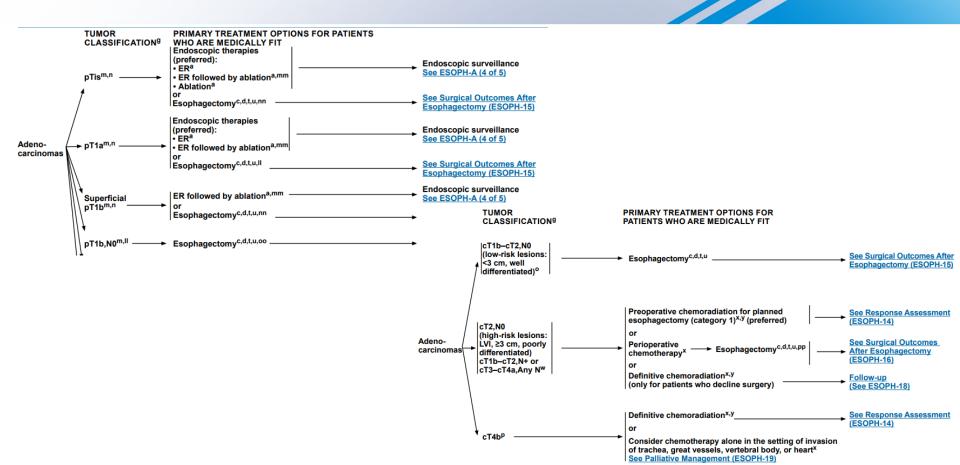
	Pooled sensitivity (%)	Pooled specificity (%)	Pooled LR +	Pooled LR-	Pooled DOR
T1	81.6	99.4	44.4	0.2	221.5
	(77.8 - 84.9)	(99.0-99.7)	(15.5-127.4)	(0.2-0.4)	(118.5-413.9)
T2	81.4	96.3	16.6	0.2	90.7
	(77.5 - 84.8)	(95.4-97.1)	(9.3-29.7)	(0.2-0.3)	(48.3-170.5)
T3	91.4	94.4	12.5	0.1	145.2
	(89.5-93.0)	(93.1-95.5)	(7.7-20.3)	(0.1-0.2)	(90.3-233.4)
T4	92.4	97.4	25.4	0.1	250.0
	(89.2-95.0)	(96.6-98.0)	(13.7-47.0)	(0.1-0.2)	(145.2-430.5)

LR+: Positive likelihood ratio; LR-: Negative likelihood ratio; DOR: Diagnostic odds ratio.

#### Is the GEJ Different?

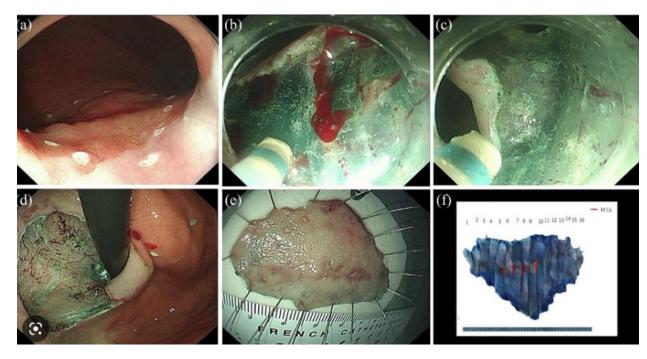


#### Why Does It Matter?





#### • How can we definitively stage early GEJ Cancer?





• What do we do with the information?

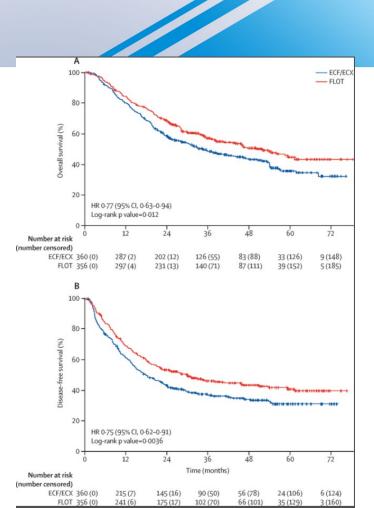
- T1a?
- ≥T1b?
  - LVI? Grade?
- Margin positive?

# Updates in Neoadjuvant and Adjuvant Therapy

- FLOT
- CROSS
- Checkmate 577
- NEO-AEGIS
- ESOPEC

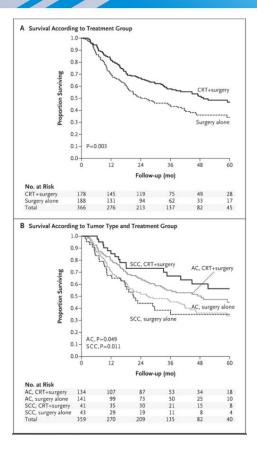
- FLOT4-AIO Trial
  - FLOT vs ECF
  - Docetaxel 50 mg/m2 + oxaliplatin 85 mg/m2 + leucovorin 200 mg/m2 + infusional 5-FU 2600 mg/m2 over 24 hours administered every 2 weeks
  - Studied FLOT x 4 cycle → Surgery → FLOT x 4 cycles
  - FLOT compared to ECF:
    - Higher pCR (16% vs 8%) in phase II portion
    - mOS 50m vs 35m (HR 0.77)
    - 3-year OS: 57% vs 48%

Al-Batran et al. Lancet. 2019.



#### Treatment – Early Stage – Esophageal

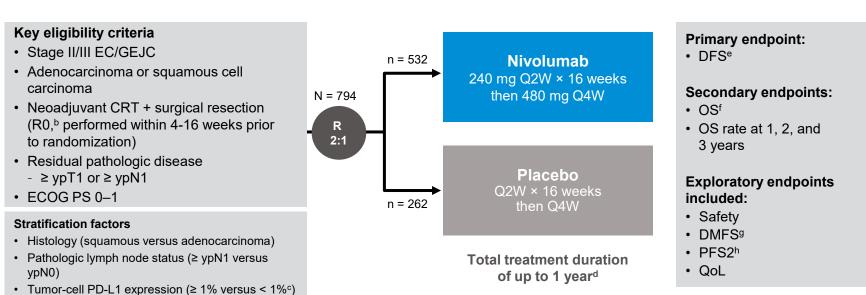
- CROSS Trial
  - Randomized resectable esophageal and GEJ patients to surgery alone or chemoradiation
  - Used carboplatin AUC 2 + paclitaxel 50 mg/m2 weekly x 5 weeks with 41.4 Gy XRT
  - 75% adenocarcinoma
  - R0 resection 92% vs 69% (P<0.001)</li>
  - pCR 29% of neoadjuvant CRT group
  - mOS: 49.4 m vs 24.0 m (HR: 0.657, P=0.003)



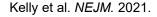
Van Hagen et al. NEJM. 2012.

## CheckMate 577 Study Design

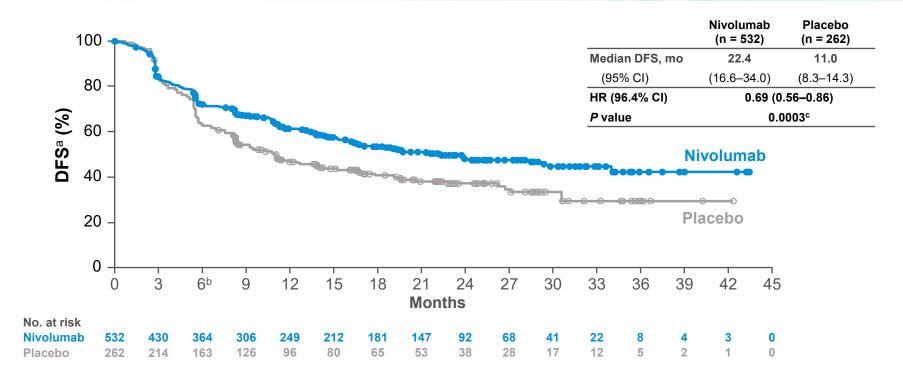
• CheckMate 577 is a global, phase 3, randomized, double-blind, placebo-controlled trial<sup>a</sup>



- Median follow-up was 24.4 months (range, 6.2–44.9)<sup>i</sup>
- Geographical regions: Europe (38%), United States and Canada (32%), Asia (13%), rest of the world (16%)



#### **Disease-Free Survival (DFS)**



Kelly et al. NEJM. 2021.

# Standard of care for early stage (≥ T2 or N+, M0) gastric or GEJ (Siewart 3 +/- 2) adenocarcinoma is:

#### FLOT x 4 $\rightarrow$ SURGERY $\rightarrow$ FLOT x 4

\*\* Only for most fit patients

\*\* For less fit patients, consider perioperative FOLFOX or CAPOX based on CLASSIC trial

- Data extrapolated from adjuvant CLASSIC trial

Standard of care for early stage esophageal (≥ T2 or N+, M0) or GEJ (Siewart 1 +/-2) SCC or adenocarcinoma is:

Chemoradiation (carboplatin + paclitaxel) → SURGERY → NIVOLUMAB

\*\* For patients who do not achieve pCR

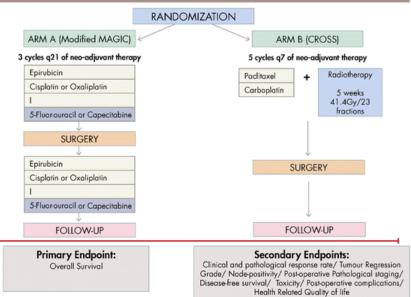
Unanswered questions:

Is perioperative chemotherapy (i.e. FLOT) superior to neoadjuvant chemoradiation (i.e. CROSS regimen) for GEJ tumors?

Neo-AEGIS trial:

- Patients with adenocarcinoma of esophagus or GEJ
- Most patients in chemotherapy arm received MAGIC regimen (ECF) vs FLOT (157 vs 27).

Patients with cT2-3 N0-3, M0 adenocarcinoma of the esophagus or GEJ, based on <u>CT-PET, EUS +</u> laparoscopic staging



#### Neo-AEGIS trial:

- Estimated 3 year survival of ChemoRT vs chemo:
  - 56% vs 57%, HR 1.02
    (95% CI: 0.74-1.42)
- Authors concluded there was noninferiority between two approaches

	Arm A (Magic/FLOT)	Arm B CROSS
R0 (negative margins)	82%	95%
ypN0	44.5%	60.1%
Tumor regression grade 1 & 2	12.1%	41.7%
Pathologic complete response	5%	16%
Neutropenia (Gr 3/4)	14.1%	2.8%
Neutropenic sepsis	2.7%	0.6%
Postoperative in-hospital deaths	3%	3%
Postoperative Pneumonia/ARDS	20%/0.6%	16%/4.3%
Anastomotic Leak	12%	11.7%
Clavien-Dindo > III <v< td=""><td>23.6%</td><td>22%</td></v<>	23.6%	22%

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Reynolds et al. ASCO Annual Meeting 2021.

<u>Still</u> unanswered question:

Is perioperative chemotherapy (i.e. FLOT) superior to neoadjuvant chemoradiation (i.e. CROSS regimen)?

Well...

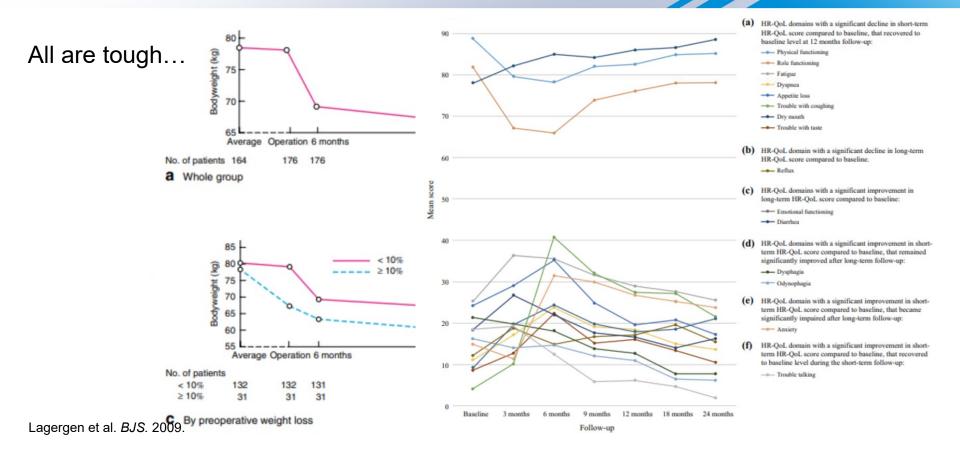
<u>If</u> FLOT > MAGIC (FLOT4-AIO) <u>And</u> MAGIC = CROSS (Neo-Aegis) <u>Then</u> FLOT > CROSS ?? OR FLOT = CROSS + Nivolomab??

• Lots of operations to choose from...

• Which is best?

- Lots of operations to choose from...
  - Total Gastrectomy
  - Ivor Lewis Esophagectomy
  - Mckeown Esophagectomy
  - Open
  - Lap
  - Robotic
  - Hybrid

• Which is best?



Prehab

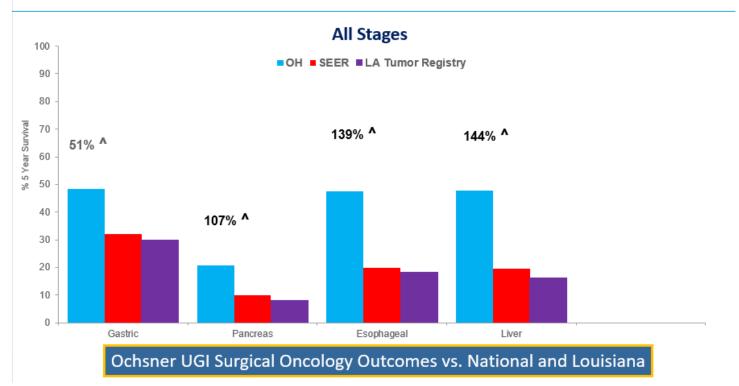
• Perioperative ERAS

• GI Survivorship

 Continued Shifting of Multimodal Therapy to the Neoadjuvant Setting

#### GI Cancer at the Benson Cancer Center

#### **Saving More Lives: Relative 5-Year Cancer Survival**



#### Surgical Oncology at the Ochsner Clinic



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