

Evidence and practice changing treatments in GI tumors

Part 1 : Upper GI

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Conflicts of interest

- Speaker honorarium and travel reimbursements from View Ray Inc.
- Member of the IBA Victoria Advisory Committee
- Scientific consultant for Varian Medical Systems
- Scientific consultant for KBMS.com & KBO Labs
- Scientific consultant for Medipass srl
- Scientific consultant for Roche
- Scientific consultant for Radius srl
- Sponsored researcher for Nanovi
- Sponsored researcher for Sophia genetics
- Sponsored researcher for View Ray Inc.
- Inventor patent #202020000005950

Esophagus, gastric and GOJ | 2023 highlights

1. What are the SOC for locally advanced GOJ: perioperative CT vs NAD CRT?

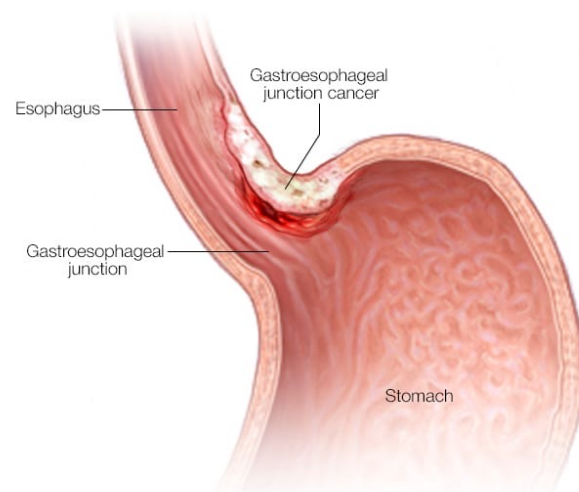
- **FLOT** regimen (perioperative 4 cycles FLOT NAD and 4 cycles AD) for both gastric and GOJ cancers
- **CROSS** regimen (concomitant NAD RT 41.4 Gy with paclitaxel/carboplatin) for GOJ
- **MAGIC** regimen (3 cycles NAD [m]MAGIC and 3 cycles AD) for both gastric and GOJ cancers

2. Which is more effective ?

We do not know. Waiting for ESOPEC trial results in 2024.

3. Is there any role for immunocheck point inhibitors (IO)?

No (or not yet)

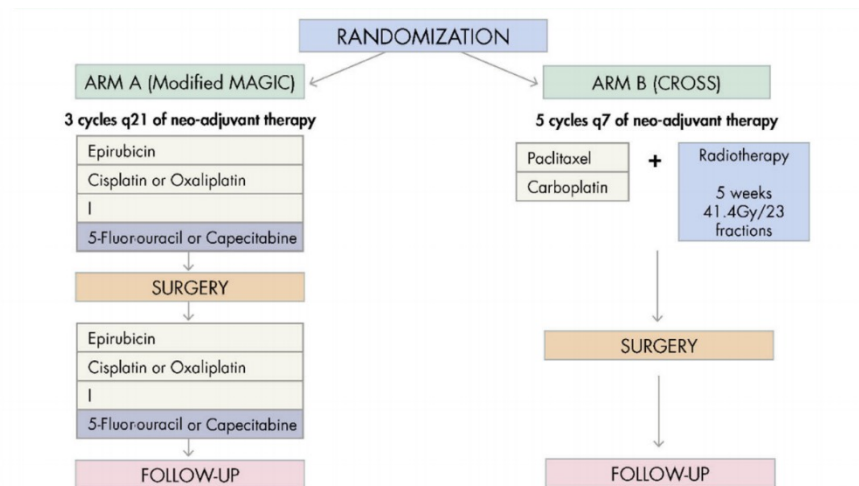


Esophagus, gastric and GOJ | 2023 highlights: Neo-AEGIS

Trimodality therapy versus perioperative chemotherapy in the management of locally advanced adenocarcinoma of the oesophagus and oesophagogastric junction (Neo-AEGIS): an open-label, randomised, phase 3 trial

John V Reynolds, Shaun R Preston, Brian O'Neill, Maeve A Lowery, Lene Baeksgaard, Thomas Crosby, Moya Cunningham, Sinead Cuffe, Gareth O Griffiths, Imelda Parker, Signe Lenora Risumlund, Rajarshi Roy, Stephen Falk, George B Hanna, Frederick R Bartlett, Alberto Alvarez-Iglesias, Michael P Achiam, Magnus Nilsson, Guillaume Piessen, Narayanasamy Ravi, Dermot O'Toole, Ciaran Johnston, Raymond S McDermott, Richard C Turkington, Shajahan Wahed, Sharmila Sothi, Hugo Ford, Martin S Wadley, Derek Power, on behalf of the Neo-AEGIS Investigators and Trial Group*

Primary endpoints OS
Secondary endpoints cCR, pCR, TRG, N+, pTNM
DFS, toxicity, complic., QoL



Esophagus, gastric and GOJ | 2023 highlights: Neo-AEGIS

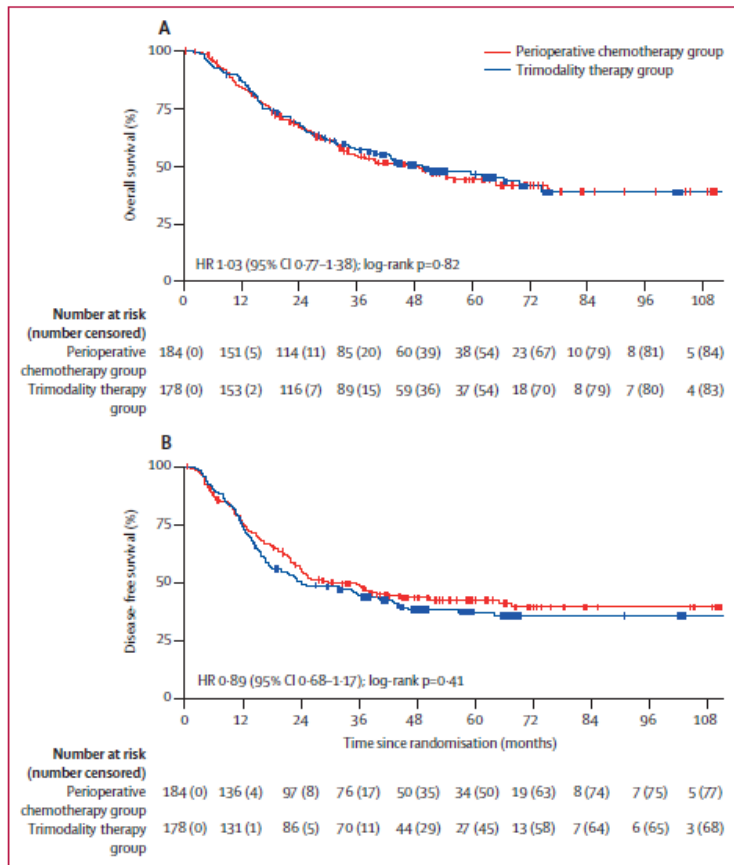


TABLE 1: Oncologic Outcomes for Two Approaches to Treating Locally Advanced Esophageal or Gastroesophageal Junction Cancer

Endpoint	Neo-AEGIS Regimen (Perioperative Chemotherapy/Surgery)	CROSS Regimen (Chemoradiation/Surgery)	P Value
3-Year overall survival rate	55%	57%	HR = 1.03 (95% CI = 0.77-1.38)
Nodal downstaging to ypNO rate	44%	60%	.004
R0 resection	82%	95%	< .001
Pathologic complete response rate	5%	17%	.001
Major pathologic response rate	12%	42%	< .001

CI = confidence interval; HR = hazard ratio.



LETTERS TO THE EDITOR

Neoadjuvant radiochemotherapy and perioperative chemotherapy do not represent a standard at the same priority level for esophageal adenocarcinomas (with regard to 'Esophageal cancer: ESMO Clinical Practice Guideline for diagnosis, treatment and follow-up')



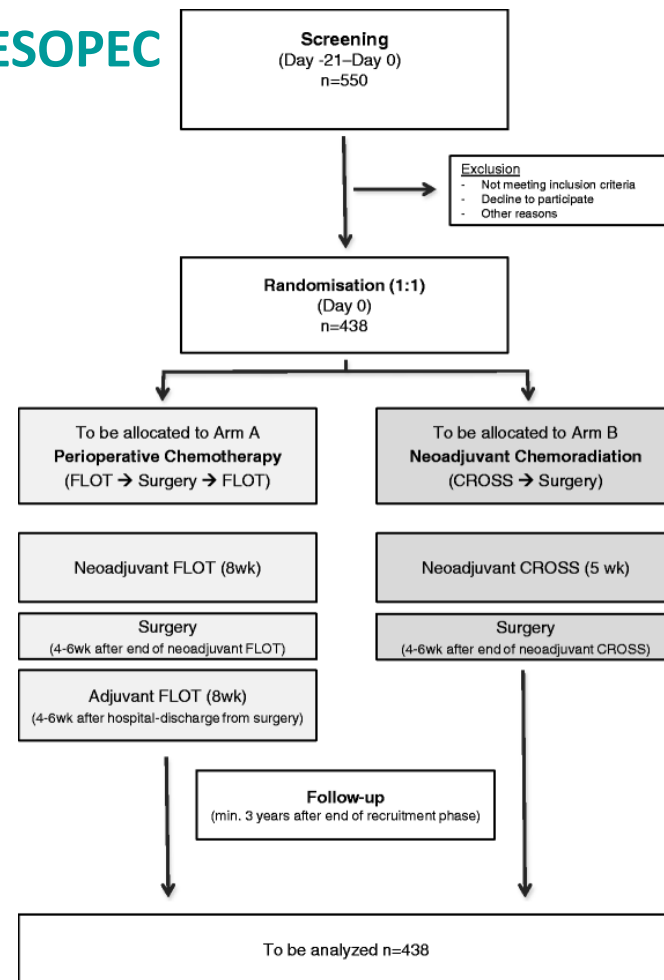
“We believe that the ESMO Guidelines should consider addressing a preference for pRTCT over periCT, similar to the NCCN Guidelines”

Esophagus, gastric and GOJ | 2023 highlights: ESOPEC

ESOPEC: prospective randomized controlled multicenter phase III trial comparing perioperative chemotherapy (FLOT protocol) to neoadjuvant chemoradiation (CROSS protocol) in patients with adenocarcinoma of the esophagus (NCT02509286)

Jens Hoepfner¹, Florian Lordick², Thomas Brunner³, Torben Glatz⁴, Peter Bronsert⁵, Nadine Röthling⁶, Claudia Schmoor⁶, Dietmar Lorenz⁷, Christian Ell⁸, Ulrich T Hopt⁴, J Rüdiger Siewert⁹

Primary endpoint OS 36 m
Secondary endpoint PFS, RFS, site of failure, morbidity and mortality, hospitalization and QoL



Esophagus, gastric and GOJ | 2023 highlights

4) Are there any trials studying IO in locally advanced, resectable gastric or GOJ ?

Two *interim* results released in 2023

DANTE trial compared two arms

- Arm A 4+4 FLOT with additional Atezolizumab at 840 mg, q3w, followed by Atezolizumab monotherapy for 8 cycles q3w
- Arm B 4+4 perioperative FLOT chemotherapy

KEYNOTE 585 compared two arms

- Arm A neoadjuvant pembrolizumab 200 mg intravenously or placebo (saline) plus cisplatin-based doublet chemotherapy (main cohort) q3w for 3 cycles, followed by surgery, adjuvant pembrolizumab
- Arm B placebo plus chemotherapy for 3 cycles, then adjuvant pembrolizumab or placebo for 11 cycles




Esophagus, gastric and GOJ | 2023 highlights: DANTE trial

Journal of Clinical Oncology®
An American Society of Clinical Oncology Journal

ORIGINAL REPORTS | November 14, 2023



Perioperative Atezolizumab Plus Fluorouracil, Leucovorin, Oxaliplatin, and Docetaxel for Resectable Esophagogastric Cancer: Interim Results From the Randomized, Multicenter, Phase II/III DANTE/IKF-s633 Trial

Authors: Sylvie Lorenzen, MD , Thorsten Oliver Götze, MD, Peter Thuss-Patience, MD , Matthias Biebl, MD , Nils Homann, MD, Michael Schenk, MD, Udo Lindig, MD, ... [SHOW ALL](#) ... for the AIO and SAKK Study Working Groups | [AUTHORS INFO & AFFILIATIONS](#)

Primary endpoint

PFS

Secondary endpoint

pTNM, R0 rate, periop. morbidity/mortality), pathological regression and safety

Downsizing favored arm A vs B (pT0, 23% vs 15%; pN0, 68% vs 54%).

Increases in pathological regression rates were seen, particularly with higher PD-L1 expression.

Path. regression by PD-L1 expression and MSI status for arms A vs B.

Path. reg. for arms A vs B	Local assessment		Central assessment*	
	TRG1a	TRG1a/b	TRG1a	TRG1a/b
All pts (n=295)	24% vs 15%	48% vs 39%	25% vs 24%	49% vs 44%
PD-L1 CPS ≥ 1 (n=146)	26% vs 16%	53% vs 49%	27% vs 25%	54% vs 50%
PD-L1 CPS ≥ 5 (n=67)	30% vs 24%	58% vs 47%	36% vs 27%	55% vs 50%
PD-L1 CPS ≥ 10 (n=45)	38% vs 14%	71% vs 38%	46% vs 24%	71% vs 52%
MSI high (n=25)	50% vs 27%	70% vs 47%	50% vs 27%	70% vs 47%

Esophagus and GOJ | 2023 highlights: KEYNOTE 585

Aim

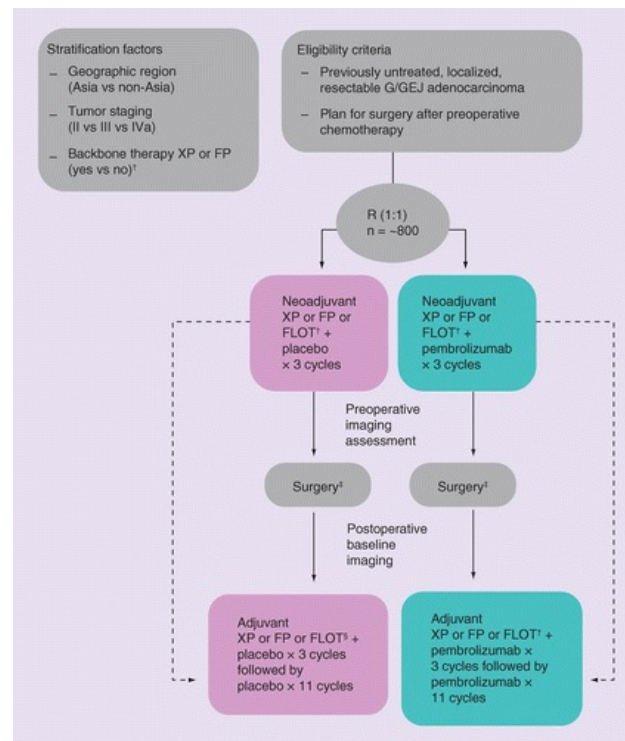
Global, multicenter, randomized, double-blind, Phase III KEYNOTE-585 study to evaluate the efficacy and safety of

pembrolizumab plus chemotherapy
compared with
placebo plus chemotherapy

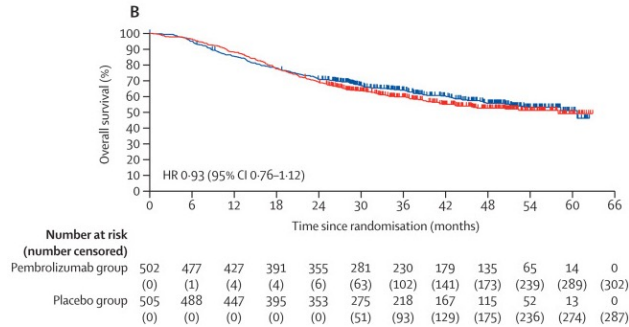
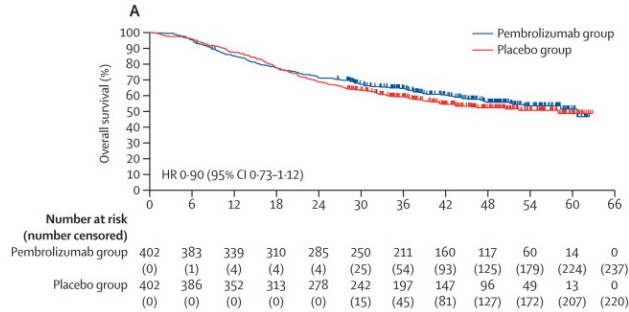
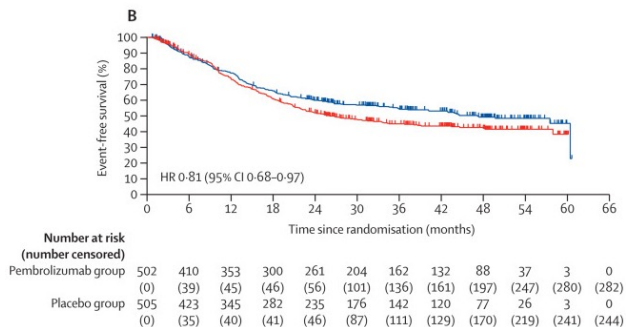
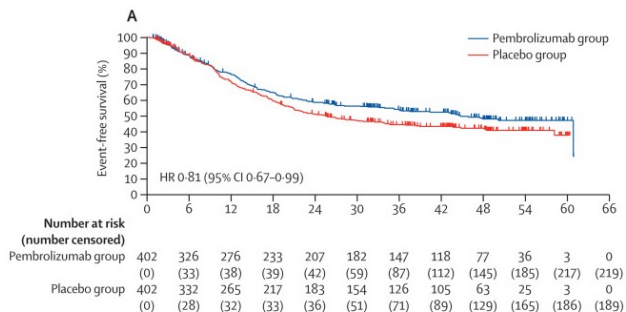
as neoadjuvant/adjuvant treatment for localized gastric or gastroesophageal junction adenocarcinoma.

Primary endpoints OS, event-free survival (EFS) and pCR

Secondary endpoints safety and tolerability and DFS



Esophagus and GOJ | 2023 highlights: KEYNOTE 585



1254 patients

- Higher pCR with pembro
- No difference in 2 years EFS or OS

Comments

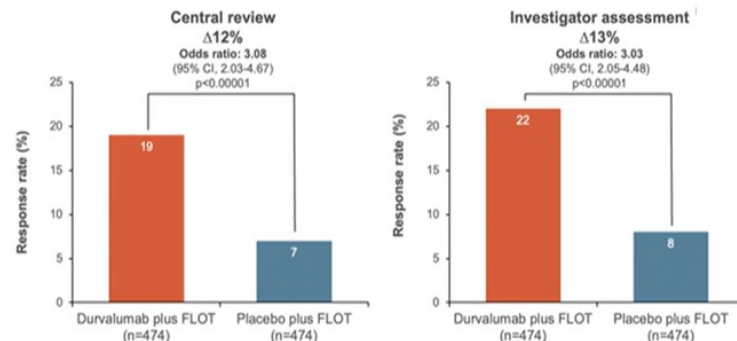
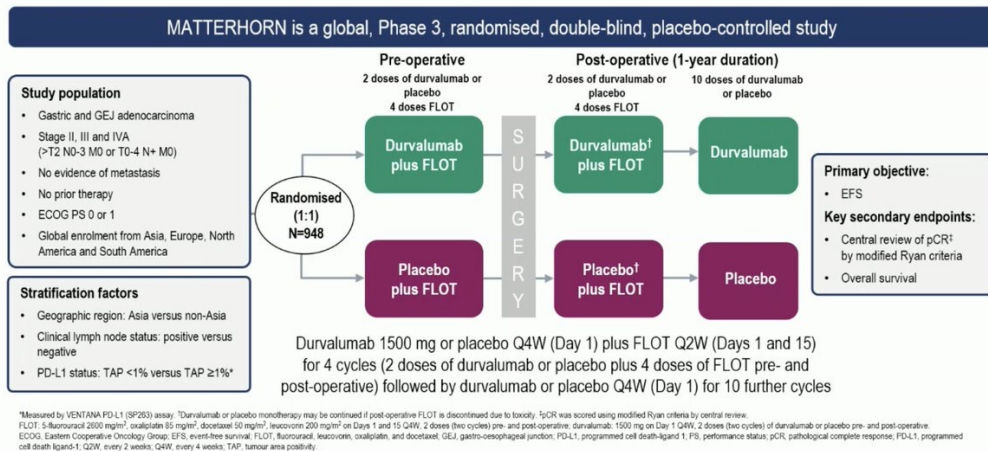
- pCR not surrogate for survival
- Cisplatin rather than FLOT

Esophagus and GOJ | 2023 highlights: future studies

5) What we are waiting for IO in the immediate future?

MATTERHORN trial

Phase III study investigating the efficacy and safety of **neoadjuvant-adjuvant durvalumab and FLOT chemotherapy** followed by **adjuvant durvalumab monotherapy** in patients with resectable gastric/gastroesophageal junction cancer



Interim analysis @ ESMO 2023

Esophagus and GOJ | 2023 highlights: future studies

KEYNOTE-975

Phase III study of definitive chemoradiotherapy plus pembrolizumab in patients with esophageal carcinoma

Key eligibility criteria

- Histologically or cytologically confirmed diagnosis of cTX N+ M0 or cT2-T4a NX M0 ESCC (as defined by AJCC 8th edition), GEJC, EAC, or histologically or cytologically confirmed diagnosis of cTX N+ M1 cervical or upper thoracic esophageal carcinoma with supraclavicular lymph node metastases only
- Eligible for dCRT
- Radiographically evaluable disease
- Available tumor tissue
- ECOG performance status of 0 or 1

Stratification

- PD-L1 status
- Radiation dose
- Region and histology

R
(1:1)

Pembrolizumab 200 mg Q3W for 8 cycles then 400 mg Q6W for 5 cycles (~1 year total) + dCRT†

Placebo Q3W 8 cycles then Q6W 5 cycles (~1 year total) + dCRT†

Executive summary

- A substantial proportion of patients with locally advanced nonmetastatic esophageal cancer are ineligible for curative surgery at presentation.
- In these patients, definitive chemoradiotherapy is the recommended first-line treatment option, but survival outcomes associated with this treatment modality are poor.

Background & rationale

- In the esophageal cohort of the Phase Ib KEYNOTE-028 trial, pembrolizumab was associated with durable antitumor activity and a manageable safety profile in heavily pretreated, PD-L1+ advanced esophageal carcinoma.
- Preliminary findings from the Phase II KEYNOTE-180 and Phase III KEYNOTE-181 trials in patients with previously treated advanced or metastatic esophageal cancer support the use of pembrolizumab as second- and third-line therapy for patients with PD-L1+ disease.

KEYNOTE-975 study design & eligibility criteria

- KEYNOTE-975 is a double-blind, Phase III randomized placebo-controlled trial that will evaluate the efficacy and safety of pembrolizumab plus definitive chemoradiotherapy versus placebo plus definitive chemoradiotherapy as first-line treatment of patients with locally advanced, unresectable esophageal cancer.
- Approximately 600 patients with previously untreated, locally advanced, unresectable esophageal squamous cell carcinoma, gastroesophageal junction cancer, esophageal adenocarcinoma, or cervical or upper thoracic esophageal carcinoma with supraclavicular lymph node metastases only, who are candidates for definitive chemoradiotherapy, will be enrolled.
- Eligible patients will be randomly assigned 1:1 to receive pembrolizumab or placebo in combination with definitive chemoradiotherapy.

Outcomes

- The dual primary end points are overall survival and event-free survival in all patients, esophageal squamous cell carcinoma patients and patients whose tumors express PD-L1 with a combined positive score ≥ 10 .

Conclusion

- The results of KEYNOTE-975 will help define the role of immunotherapy as a first-line treatment option in patients with esophageal cancer who are not eligible for curative surgery.

Primary endpoints OS, EFS

Secondary endpoints safety and tolerability

Esophagus and GOJ | 2023 highlights: KEYNOTE 859

6) What about advanced disease?

Pembrolizumab plus chemotherapy versus placebo plus chemotherapy for HER2-negative advanced gastric cancer (KEYNOTE-859): a multicentre, randomised, double-blind, phase 3 trial



Sun Young Rha, Do-Youn Oh, Patricio Yañez, Yuxian Bai, Min-Hee Ryu, Jeeyun Lee, Fernando Rivera, Gustavo Vasconcelos Alves, Marcelo Garrido, Kai-Keen Shiu, Manuel González Fernández, Jlin Li, Maeve A Lowery, Timuçin Çil, Felipe Melo Cruz, Shukai Qin, Suxia Luo, Hongming Pan, Zev A Wainberg, Lina Yin, Sonal Bardia, Pooja Bhagla, Lucjan S Wyrwicz, on behalf of the KEYNOTE-859 Investigators*

Aim

To compare the efficacy and safety of **pembrolizumab plus chemotherapy** with **placebo plus chemotherapy** in participants with **locally advanced or metastatic HER2-negative gastric or gastro-esophageal junction adenocarcinoma**.

Primary endpoint OS

Secondary endpoints safety and tolerability

Esophagus and GOJ | 2023 highlights: KEYNOTE 859

Participants in the pembrolizumab plus chemotherapy group had a **significant and clinically meaningful improvement in overall survival** with manageable toxicity compared with participants in the placebo plus chemotherapy group.

Therefore, pembrolizumab with chemotherapy might be a first-line treatment option for patients with locally advanced or metastatic HER2-negative gastric or gastro-esophageal junction adenocarcinoma.

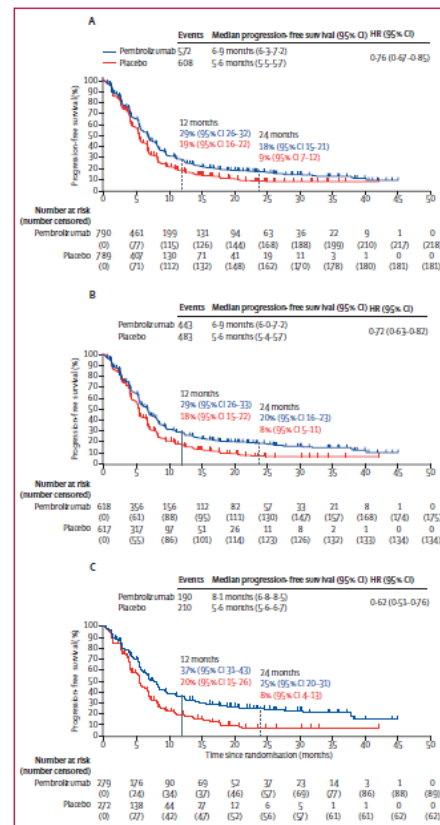


Figure 3: Progression-free survival Kaplan-Meier estimates of progression-free survival in the ITT population (A), in participants with PD-L1 CPS of 10 or higher (B), and in participants with PD-L1 CPS of 10 or higher (C). ITT—intention-to-treat.

ASCO Daily News[®]

Clinical News From the American Society of Clinical Oncology

Exploring Treatment Paradigms in Oligometastatic Esophagogastric Adenocarcinoma

January 11, 2024

Newton Hurst, MD, PhD, and Nataliya V. Uboha, MD, PhD

Multiple reports suggest that a subset of patients with EGA who have limited burden of metastatic disease may benefit from more aggressive treatments

The Role of Noninvasive Locoregional Therapies

Surgical approaches are inherently associated with morbidity, risks for complications, and requirements for **prolonged breaks in systemic therapy**. Noninvasive locoregional therapies may hold additional promise for EGA and may be appropriate for a larger fraction of patients. **Stereotactic radiotherapy and hypofractionated ablative radiation therapy result in excellent local tumor control with low toxicities.**¹ **MRI-guided radiation techniques allow for precise tumor targeting while sparing other organs from radiation-associated toxicities.**² Moreover, **synergism between radiation and immunotherapy** agents, which are now part of standard EGA treatment, has further fueled interest in these approaches.¹⁷

Esophagus and GOJ | 2023 highlights: ESO-Shanghai 13

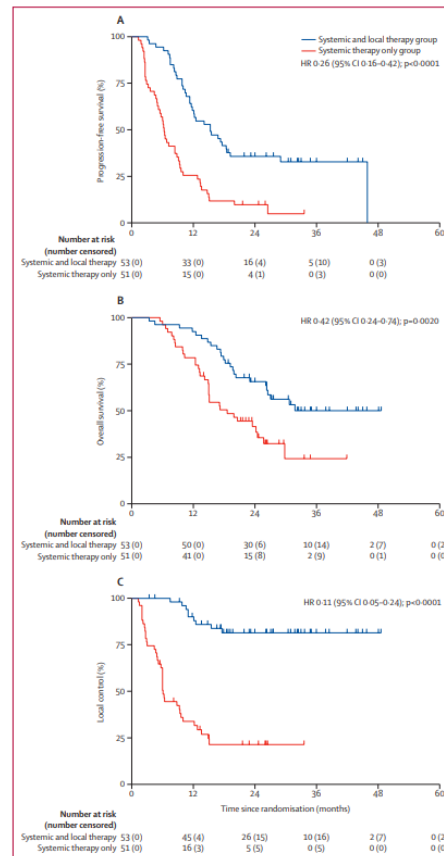
Systemic therapy with or without local intervention for oligometastatic oesophageal squamous cell carcinoma (ESO-Shanghai 13): an open-label, randomised, phase 2 trial

Qi Liu, Junqiang Chen, Yu Lin, Jinjun Ye, Wenbin Shen, Honglei Luo, Baosheng Li, Wei Huang, Shihong Wei, Jibin Song, Yaohui Wang, Huanjun Yang, Songtao Lai, Hongcheng Zhu, Dashan Ai, Yun Chen, Jiaying Deng, Shengnan Hao, Kuaile Zhao

Primary aim To assess the efficacy of local plus systemic therapy compared with systemic therapy alone in patients with oligometastatic oesophageal squamous cell carcinoma.

104 pts enrolled (1-4 M), no \geq G3 tox

The **addition of local treatment for metastases could significantly improve progression-free survival (+8/9m)** among patients with **oligometastatic oesophageal squamous cell carcinoma** being treated with systemic therapy



PFS

OS

LC

Esophagus and GOJ | 2023 highlights: selected guidelines

Practical Radiation Oncology® (2024) 14, 28–46



Clinical Practice Guideline

The Society of Thoracic Surgeons/American Society for Radiation Oncology Updated Clinical Practice Guidelines on Multimodality Therapy for Locally Advanced Cancer of the Esophagus or Gastroesophageal Junction



Stephanie G. Worrell, MD,^{a,*} Karyn A. Goodman, MD,^b Nasser K. Altorki, MD,^c Jonathan B. Ashman, MD,^d Traves D. Crabtree, MD,^e Jennifer Dorth, MD,^f Scott Firestone, MS,^g David H. Harpole, MD,^h Wayne L. Hofstetter, MD,ⁱ Theodore S. Hong, MD,^j Kalie Kissoon, BS,^g Geoffrey Y. Ku, MD,^k Daniela Molena, MD,^l Joel E. Tepper, MD,^m Thomas J. Watson, MD,ⁿ Terence Williams, MD, PhD,^o and Christopher Willett, MD^p

Pancreas | 2023 highlights: which neoadjuvant therapy?

MADRID 2023 ESMO congress

MADRID SPAIN
20-24 OCTOBER 2023



1) Any news from ongoing NAD trials?

PREOPANC-2

FOLFIRINOX vs Gem CRT (36 Gy – 2.4 Gy)

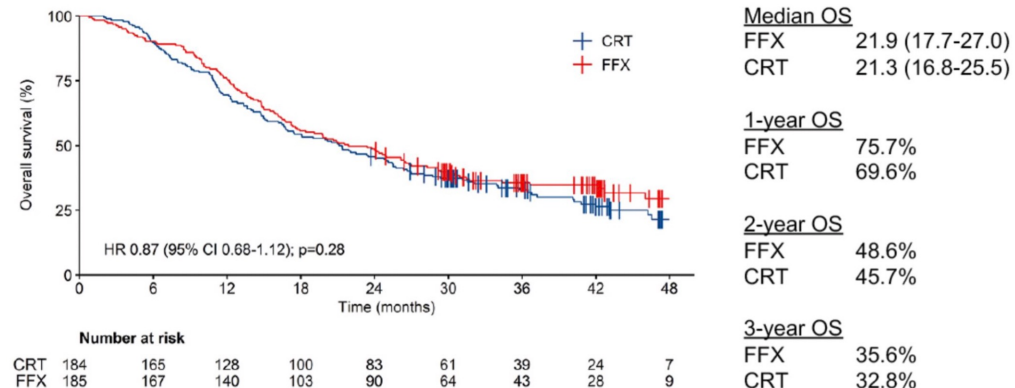
resection rates

77% with FFX arm

75% with CRT arm

FFX did not improved OS compared to nCRT

Overall Survival



Pancreas | 2023 highlights: surgery vs NAD therapy

Immediate surgery compared with short-course neoadjuvant gemcitabine plus capecitabine, FOLFIRINOX, or chemoradiotherapy in patients with borderline resectable pancreatic cancer (ESPAC5): a four-arm, multicentre, randomised, phase 2 trial



Paula Ghaneh, Daniel Palmer, Silvia Cicconi, Richard Jackson, Christopher Michael Halloran, Charlotte Rawcliffe, Rajaram Sripadam, Somnath Mukherjee, Zahir Soonawalla, Jonathan Wadsley, Ahmed Al-Mukhtar, Euan Dickson, Janet Graham, Long Jiao, Harpreet S Wasan, Iain S Tait, Andreas Prachalias, Paul Ross, Juan W Valle, Derek A O'Reilly, Bilal Al-Sarireh, Sarah Gwynne, Irfan Ahmed, Kate Connolly, Kein-Long Yim, David Cunningham, Thomas Armstrong, Caroline Archer, Keith Roberts, Yuk Ting Ma, Christoph Springfeld, Christine Tjaden, Thilo Hackert, Markus W Büchler, John P Neoptolemos, for the European Study Group for Pancreatic Cancer



Primary aim

To establish the feasibility and efficacy of three different types of short-course NAD therapy compared with immediate surgery in borderline resectable PC.

Secondary aims

RO, toxicity, complication rate, p.o. mortality, response rate, DFS, LR, OS, QoL

Pancreas | 2023 highlights: surgery vs NAD therapy

Capecitabine based nCRT (50 Gy@1.8 Gy)

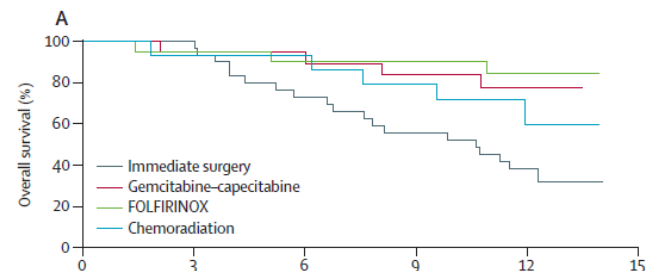
1 ys OS

FOLFIRINOX 84%

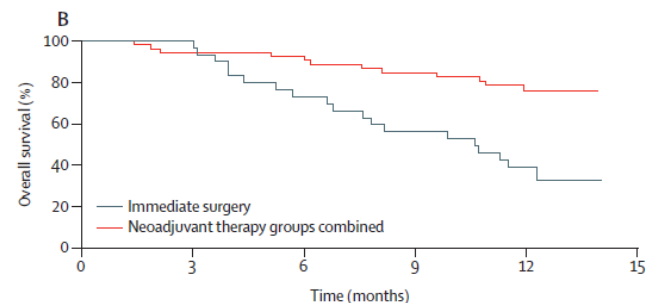
GEM-CAP 78% ($p=0.0028$)

CAP-CRT 60%

These findings support the use of **short-course neoadjuvant chemotherapy** in patients with **borderline resectable** pancreatic ductal adenocarcinoma.



	0	3	6	9	12	15
Numbers at risk (number censored)						
Surgery	31 (1)	30 (1)	21 (0)	16 (4)	7 (6)	0
Gemcitabine-capecitabine	19 (0)	18 (1)	17 (0)	15 (9)	5 (5)	0
FOLFIRINOX	20 (0)	19 (1)	17 (1)	16 (2)	13 (13)	0
Chemoradiation	16 (1)	14 (1)	13 (0)	11 (4)	5 (5)	0



	0	3	6	9	12	15
Numbers at risk (number censored)						
Neoadjuvant therapy groups combined	55 (1)	51 (3)	47 (1)	42 (15)	23 (23)	0
Immediate surgery	31 (1)	30 (1)	21 (0)	16 (4)	7 (6)	0

Pancreas | 2023 highlights: seen at ESTRO 2023

2) Any news about fractionation choice?

Study	Type	N	Regimen	R0	Median OS (months)
Rajagopalan, 2013	Retrospective	12 (5-LAPC, 7 BRPC)	36/3 fx 24/1 fx	92%	27.4
Shaib, 2016	Prospective	12 8 went to surgery	30-36/5 fx SIB: 36-45/5fx	100%	11.0 (NR for resected)
Mellon, 2016	Retrospective	159 ITT 61 went to surgery	30/5 fx SIB: 50/5 fx	97%	17 (33.5 for resected)
Kharofa, 2019	Prospective	18 ITT 12 went to surgery	33/5 fx or 25/5fx+SIB 33/5fx	92%	21.0 (31 for resected)
Bordeau, 2023	Registry	52 (49-LAPC, 3- BRPC) 20 went to surgery	50/5fx	100%	15.2 (21.6 for resected)

Pre-op SBRT increases R0 resections

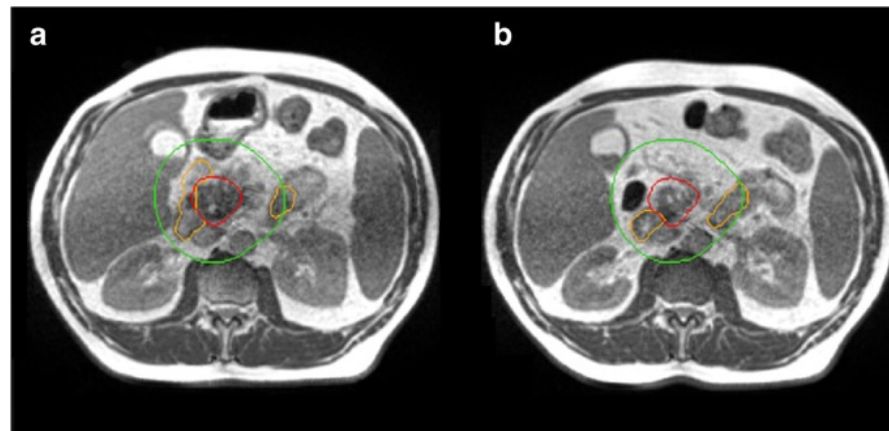
Pancreas | 2023 highlights: new technologies. SMART Trial

3) Any news from new technologies?

CLINICAL INVESTIGATION

A Multi-Institutional Phase 2 Trial of Ablative 5-Fraction Stereotactic Magnetic Resonance-Guided On-Table Adaptive Radiation Therapy for Borderline Resectable and Locally Advanced Pancreatic Cancer

Parag Jitendra Parikh, BSE, MD,* Percy Lee, MD,¹ Daniel A. Low, PhD,¹ Joshua Kim, PhD,² Kathryn E. Mittauer, PhD,³ Michael F. Bassetti, MD, PhD,⁴ Carri K. Glide-Hurst, PhD,⁵ Ann C. Raldow, MD, MPH,⁶ Yingli Yang, PhD,⁷ Lorraine Portelance, MD,⁸ Kyle R. Padgett, PhD,⁹ Bassem Zaki, MD,¹⁰ Rongxiao Zhang, PhD,¹¹ Hyun Kim, MD,¹² Lauren E. Henke, MD,¹³ Alex T. Price, MS,¹⁴ Joseph D. Mancias, MD, PhD,¹⁵ Christopher L. Williams, PhD,¹⁶ John Ng, MD,¹⁷ Ryan Pennell, PhD,¹⁸ M. Raphael Pfeffer, MD,¹⁹ Daphne Levin, PhD,²⁰ Adam C. Mueller, MD, PhD,²¹ Karen E. Mooney, PhD,²² Patrick Kelly, MD, PhD,²³ Amish P. Shah, PhD,²⁴ Luca Boldrini, MD, PhD,²⁵ Lorenzo Placidi, PhD,²⁶ Martin Fuss, MD,²⁷ and Michael D. Chuong, MD



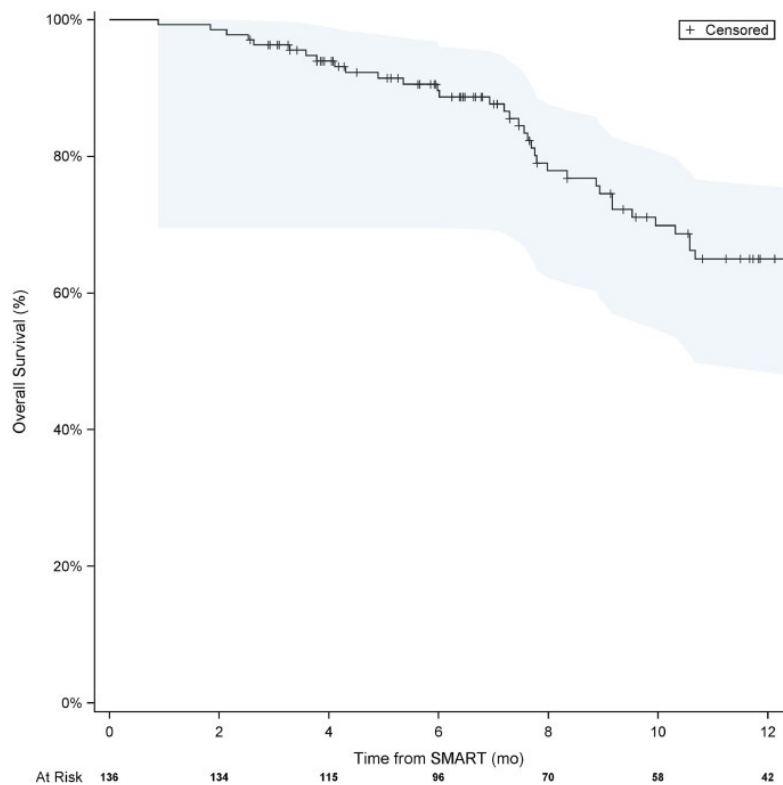
Primary aim

To determine \geq G3 gastrointestinal toxicity at 90 days for pts with borderline resectable or inoperable LAPC treated with MR-guided on-table adaptive RT and soft tissue tracking with radiation beam gating to 50 Gy in 5 fractions (BED 100 Gy)

Secondary aims

OS at 12 months; dPFS at 6 months; QoL 3 and 12 months post-RT

Pancreas | 2023 highlights: new technologies. SMART Trial



Results

13 centers

136 enrolled patients

median FUP 8.8 months from SMART

no \geq G3 tox

From SMART

OS 65%

dPFS 50.6%

LC 82.9%

From diagnosis

OS 93.9%

dPFS 80.1%

LC 90%

32.4% pts got surgery after RT

Pancreas | 2023 highlights: new technologies

Original Article

Stereotactic MR-guided on-table adaptive radiation therapy (SMART) for borderline resectable and locally advanced pancreatic cancer: A multi-center, open-label phase 2 study



Michael D. Chuong^{a,*}, Percy Lee^b, Daniel A. Low^c, Joshua Kim^d, Kathryn E. Mittauer^a, Michael F. Bassetti^e, Carri K. Glide-Hurst^e, Ann C. Raldow^f, Yingli Yang^f, Lorraine Portelance^g, Kyle R. Padgett^g, Bassem Zaki^h, Rongxiao Zhang^h, Hyun Kimⁱ, Lauren E. Henkeⁱ, Alex T. Priceⁱ, Joseph D. Mancias^j, Christopher L. Williams^j, John Ng^k, Ryan Pennell^k, M. Raphael Pfeffer^l, Daphne Levin^l, Adam C. Mueller^m, Karen E. Mooney^m, Patrick Kellyⁿ, Amish P. Shahⁿ, Luca Boldrini^o, Lorenzo Placidi^o, Martin Fuss^p, Parag Jitendra Parikh^d

Primary aim

To evaluate safety and efficacy of ablative stereotactic magnetic resonance (MR)-guided adaptive radiation therapy (SMART) for borderline resectable (BRPC) and locally advanced pancreas cancer (LAPC) on SMART trial patients

Secondary aims

2y OS after PDAC diagnosis; 6m DPFS after SMART; QoL at 3 and 12 months after SMART.

Pancreas | 2023 highlights: new technologies

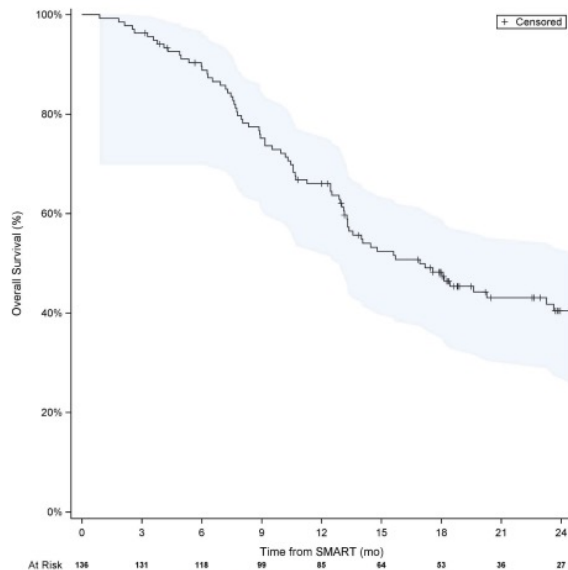


Fig. 2b. Overall Survival from SMART.

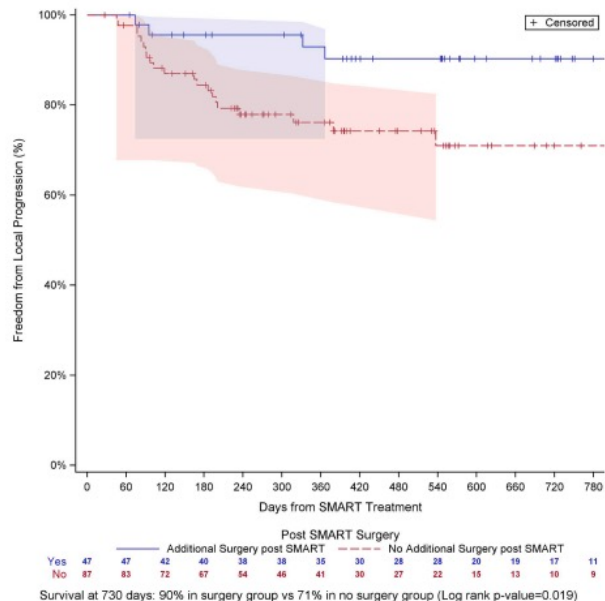


Fig. 2f. Resected Patients vs Non-Resected Patients Local Control from SMART.

LAPC 56.6%
 BRPC 43.4%
 Median FUP 14.9 months from SMART
 22.9 months from diagnosis

From SMART
 2yOS 40.5% (67% resected)

From diagnosis
 2yOS 53.6%

Late G3 toxicities
 0% definitely
 4.6% probably
 11.5% possibly

34.6% pts got surgery after RT

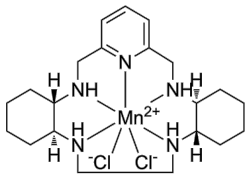
Pancreas | 2023 highlights: new drugs

3) Any news from pharma?

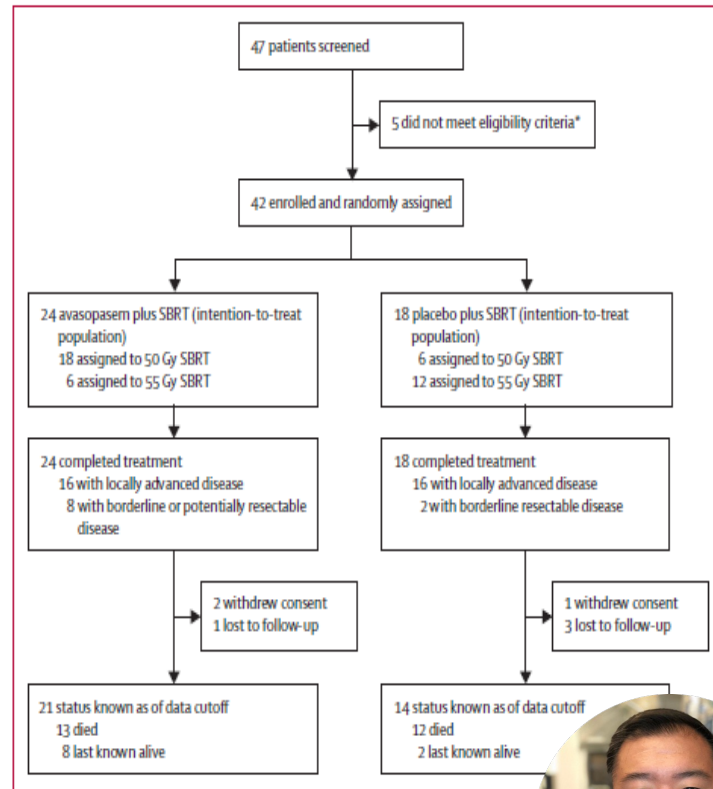
Stereotactic body radiotherapy with or without selective dismutase mimetic in pancreatic adenocarcinoma: an adaptive, randomised, double-blind, placebo-controlled, phase 1b/2 trial

Cullen M Taniguchi, Jessica M Frakes, Todd A Aguilera, Manisha Palta, Brian Czito, Manoop S Bhutani, Lauren E Colbert, Joseph Abi Jaoude, Vincent Bernard, Shubham Pant, Ching-Wei D Tzeng, Dae Won Kim, Mokenge Malafa, James Costello, Geena Mathew, Neal Rebueno, Eugene J Kooy, Prajnan Das, Ethan B Ludmir, Matthew H G Katz, Robert A Wolff, Sam Beddar, Gabriel O Sawakuchi, Shalini Moningi, Rebecca S Slack Tidwell, Ying Yuan, Peter F Thall, Robert A Beardsley, Jon Holmlund, Joseph M Herman, Sarah E Hoffe

Avasopasem (AVA) superoxide dismutase mimetic



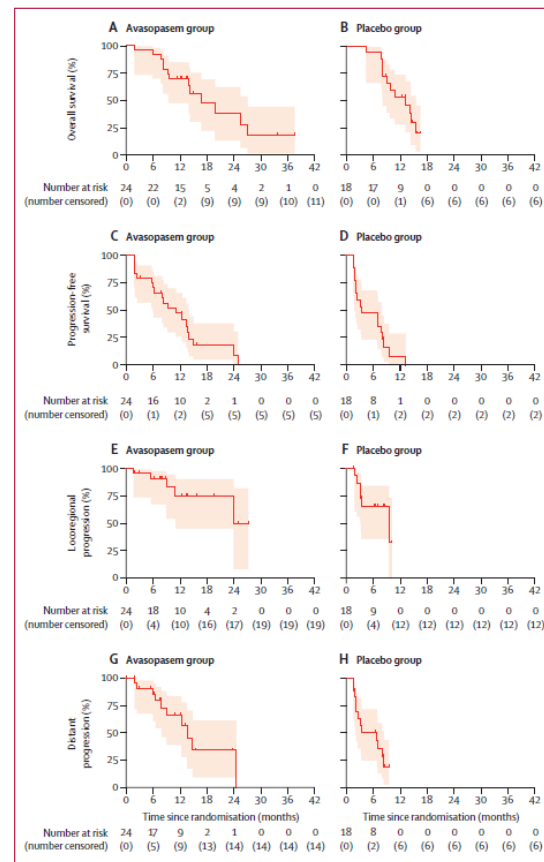
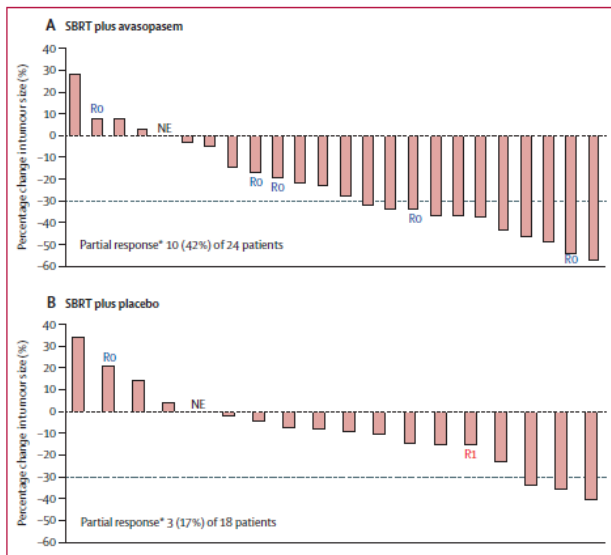
Primary endpoints optimal dose of SBRT with Avasopasem or placebo: efficacy and >G3 tox
Secondary endpoints PFS, OS, toxicity 1y



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SBRT that uses at least 50 Gy in five fractions can be considered for patients with BR e LAPC.

The addition of Avasopasem might further enhance disease outcomes.



Thank you for your attention

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