



Systemic Therapy for Gastric Cancer Patients with Peritoneal Metastases

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Disclosures

Consultant for J&J Ethicon, and Imugene, LTD.

This presentation and/or comments will be free of any bias toward or promotion of the above referenced companies or their products and/or other business interests.

This presentation and/or comments will provide a balanced, non-promotional, and evidence-based approach to all diagnostic, therapeutic and/or research related content.

This presentation has been peer-reviewed and no conflicts were noted.

The off-label or investigational use of Oncolytic Viruses, and CAR-T Cell in clinical trials will be addressed.





Cultural Linguistic Competency (CLC) & Implicit Bias (IB)

STATE LAW:

The California legislature has passed <u>Assembly Bill (AB) 1195</u>, which states that as of July 1, 2006, all Category 1 CME activities that relate to patient care must include a cultural diversity/linguistics component. It has also passed <u>AB 241</u>, which states that as of January 1, 2022, all continuing education courses for a physician and surgeon **must** contain curriculum that includes specified instruction in the understanding of implicit bias in medical treatment.

The cultural and linguistic competency (CLC) and implicit bias (IB) definitions reiterate how patients' diverse backgrounds may impact their access to care.

The following CLC & IB components will be addressed in this presentation:

- Differences in treatment by ethnicity.
- Barriers to enrollment in clinical trials.



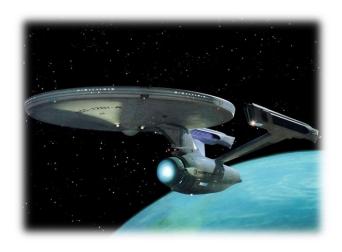


Space: the Final Frontier



USS Enterprise NCC-1701 - 1979





USS Enterprise NCC-1701-A - 1991

Space: the Final Frontier

These are the voyages of the starship *Enterprise*. Its five-year mission: to explore strange new worlds. To seek out new life and new civilizations. To boldly go where no man one has gone before!

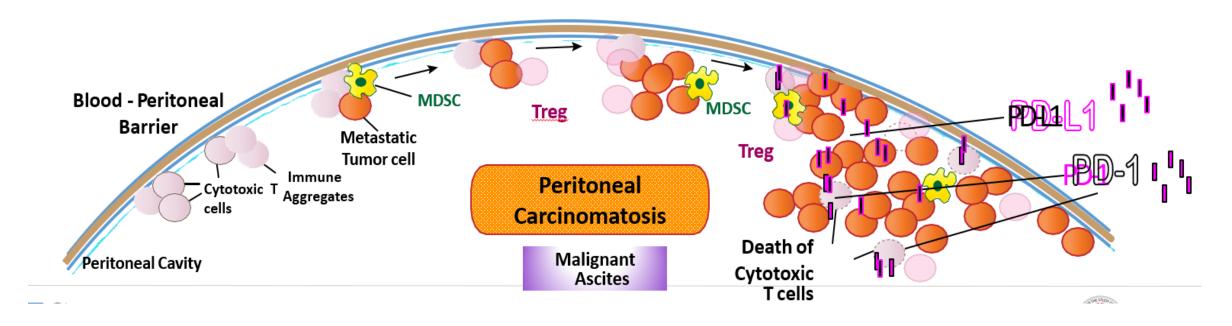




The Peritoneum: The Final Frontier in Gastric Cancer

Peritoneum: the Final Frontier in Gastric Cancer Cure

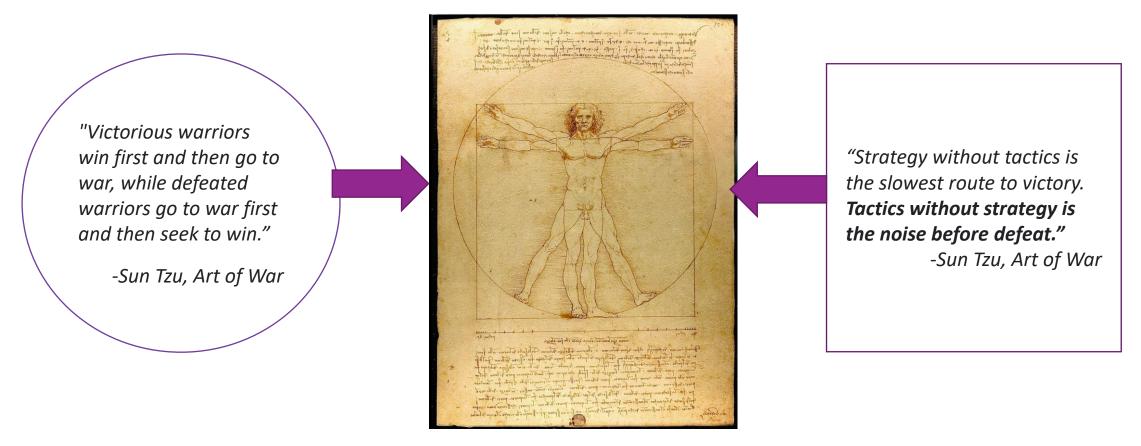
These are the voyages investigations of the starship Enterprise ISSPP - GC
Collaborative. Its five-year mission: to explore strange new worlds of GC peritoneal metastases. To seek out new life cures and new civilizations curative strategies. To boldly go where no man systemic therapy has gone before!







Systemic therapy for Gastric Cancer Peritoneal Metastases

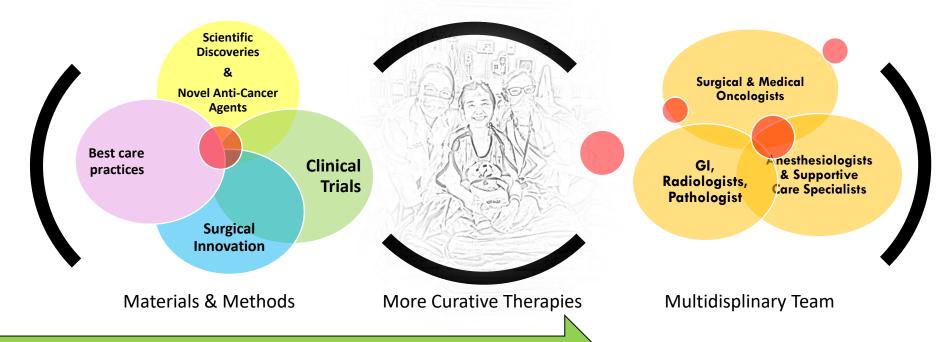


JUST LIKE WE CANNOT SQUARE A CIRCLE, SYSTEMIC THERAPY ≠ CURE!

• Systemic therapy is one tactic in GC treatment ... but alone it remains Noise Before Defeat against GCPM?

In Pursuit of More Cures for All Patients with Gastric Cancer

- Goal: to <u>achieve long-term survival</u> and to preserve or <u>provide improved QoL</u>
- By bringing the best of scientific discoveries and surgical innovation to GC care



The diagnosis of GC begins patient's war to protect life.

Each of us enter the war in different battles with different tactics but each without a winning strategy



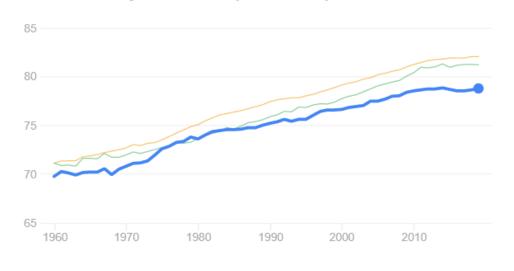


Life Years Lost to Gastric Cancer

"If you know the enemy and know yourself, you need not fear the result of a hundred battles. If you know yourself but not the enemy, for every victory gained you will also suffer a defeat. If you know neither the enemy nor yourself, you will succumb in every battle." – Sun Tzu in the Art of War

Life Expectancy in the United States

78.79 years (2019)



- Canada 82.05 years
- United Kingdom 81.20 years
- United States 78.79 years

- Average of 15.48 years of life lost / death due to GC
- Year of life lost per death was higher
 - Women (19.24 YLL per death),
 - >10 years of education (18.99
 YLL per death)
 - clinical stage IV (17.44 YLL per death),
 - non-white (16.68 YLL per death)

https://datacommons.org/place/country/USA Kim Y et al. Epidemiol Health. 2015; Kahn et al 2019; Li et al 2022





PM is Leading Cause of Therapeutic Failure in GC

PM is the most common site of distant metastases in GC

60%
at autopsy

Leading distant metastatic site at time of initial diagnosis

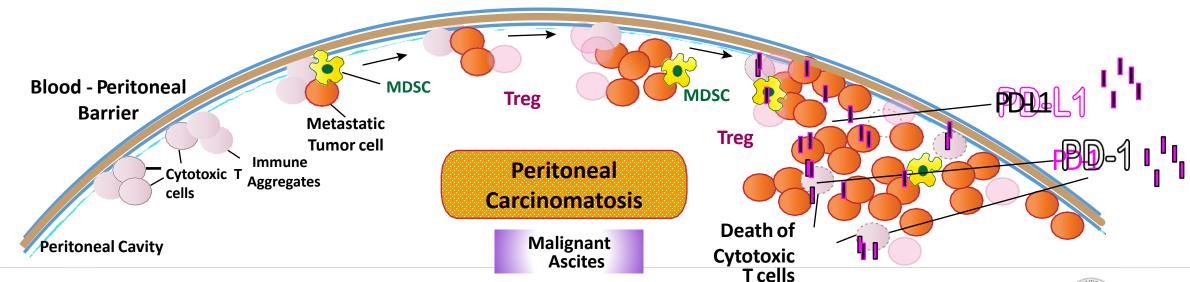
43%
in the U.S. GC patients

Highest rate of recurrent disease occurs in the peritoneum

56%

after FLOT + gastrectomy with D2

OVERALL SURVIVAL = 3.3 TO 11.0 MONTHS

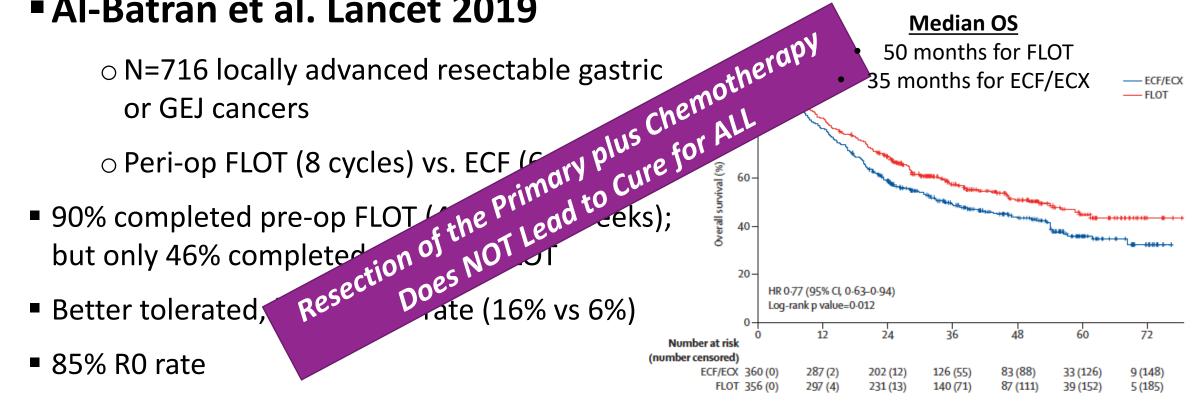






The FLOT4 Improves Survival Over ECF

Al-Batran et al. Lancet 2019







Patterns of Recurrence with More

- impact on overall survival time.
- Median OS = 61 mo; Median RFS = 42 mo.

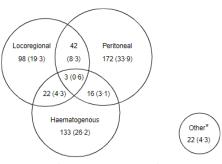


Fig. 1 Patterns of recurrence in 508 patients after curative resection. Values in parentheses are percentages. *Recurrence at the extra-abdominal lymph nodes

Patterns of Recurrence wit	th More	pies?	Locoregional 42 Peril 98 (19·3) (8·3) 172	(33 9)
 cT3-4 and/or cN+ (n=228) treated with perionELOT-plus curative surgery (2009 - 	Pau Current there and Action A	Avival after 5-FU, Leucovorin, for Locally ecarcinoma in	22 (4·3) 16 (3·1) Haematogenous 133 (26·2)	Other* 22 (4·3)
periopi zor pias carative sargery (2005	GC Waside Clinical " s Verst 🗐 Jasmina Kuvendjiska ², Po	Trials eter Bronsert ³. № Heiko Becker ⁵,	Fig. 1 Patterns of recurrence in 50 resection. Values in parentheses at the extra-abdominal lymph nodes	re percentages. *Recurrence at
2018) ace in	and Birte Kulemann 2	Table 2. Pattern of recurr	ence.	
■ 89% of recurrence within fire the surrent states and recurrent states are the same and recurrent states are the same and recurrent states are the same are the		Gastric Carcinoma (N = 97)	Esophageal Carcinoma (N = 131)	Total (N = 228)
 Highest recurrence sit 	Recurrence Time of recurrence after surgery (m)	36 (37%) 9 (2–46)	46 (35%) 9.5 (1–42)	82 (36%) 9 (1–46)
Patterns of Recurrence with cT3-4 and/or cN+ (n=228) treated with periopFLOT-plus curative surgery (2009 – 2018) 89% of recurrence within fire recurrence in each carcinomatosis for the calculation and mostly as metastasis to discontinuous (78%).	Type of recurrence Local Local and distant metastasis Peritoneal carcinomatosis Hepatic metastasis Pulmonary metastasis Other location of metastasis Multiple distant metastasis	3 (8%) 2 (6%) 20 (56%) 1 (3%) 3 (8%) 4 (11%) 3 (8%)	3 (7%) 4 (9%) 3 (7%) 11 (24%) 7 (15%) 11 (24%) 7 (15%)	6 (7%) 6 (7%) 23 (28%) 12 (14%) 10 (12%) 15 (18%) 10 (12%)
The specific site of recurrence had no	Curative surgery	13 (36%) 2 (6%)	7 (15%) 4 (9%)	20 (24%) 6 (7%)
•	Radiotherapy Chemotherapy	0 (0%) 19 (53%)	4 (9%) 23 (50%)	4 (5%) 42 (51%)
impact on overall survival time.	Chemo- and radiotherapy	2 (6%)	8 (17%)	10 (12%)

T. Glatz et al J. Clin. Med. 2020



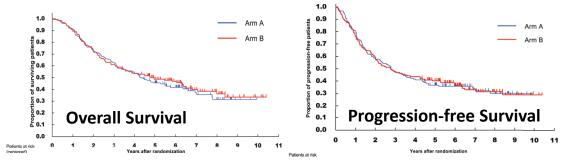
Gastrectomy with or without neoadjuvant S-1 plus cisplatin for type 4 or large type 3 gastric cancer (JCOG0501): an open-label, phase 3, randomized controlled trial

316 Randomized

20-75yrs

Type 4 or Large Type 3 GC

No Gross PM at Dx Lap



<u>ARM</u>

106 received adjuvar 70 completed 36 did not complete

Recurrence si

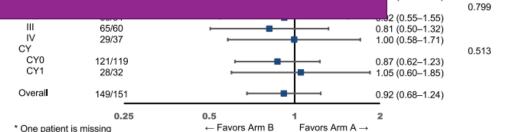
Peritoneal Recurrences in Bormann Type 4 and Large Type III's

Characteristics

45% - 48% of all patients & 75% -80% of the recurrences

*S1 + Cisplatin is less tolerated in non-Asians

		(11 - 71)
Lymph node	15	11
Peritoneum	68	73
Distant	15	11
Other	4	4



Y. Iwasaki et al. Gastric Cancer. 2021





0.773

0.937

0.737

0.098

ΝE

0.580

6 (0.65-1.41)

8 (0.56-1.38)

2 (0.62–1.36) 4 (0.60–1.48)

3 (0.48–1.44) 6 (0.68–1.36)

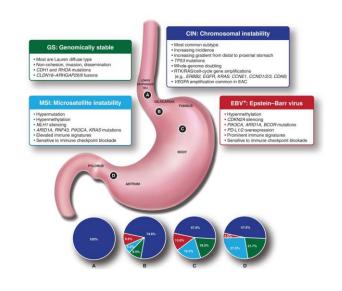
9 (0.41–1.14) 6 (0.81–1.67)

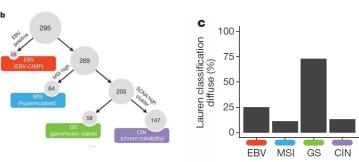
9 (0.66-1.19)

7 (0.65–1.77) 9 (0.62–1.27)

Molecular Heterogeneity of GC Reveals High Risk Profiles for PM

Understanding the Genomic Alteratons of Peritoneal Dissemination





Classification Subtypes of GCPM

• Bormann: Type IV

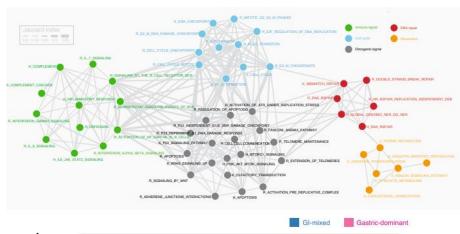
• Lauren: Diffuse Type

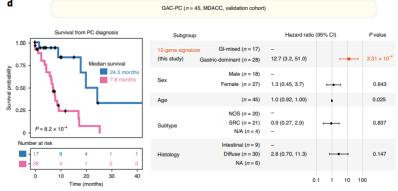
Singapore-Duke: Mesenchymal

• TCGA: GS

• ACRG: MSS/EMT

Stromal/Vascular: VM/I and VM





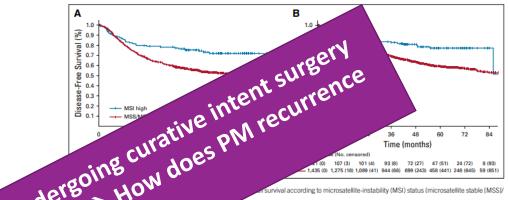
TCGA, Nature 2014; A Nagaraja et all Cancer Discovery. 2019; Chen Y et al. Cancers 2020; R. Wang et al. 2021;

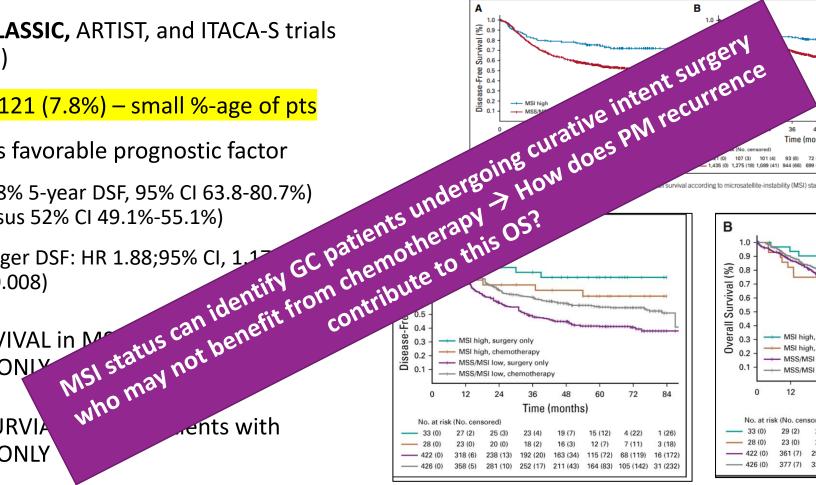


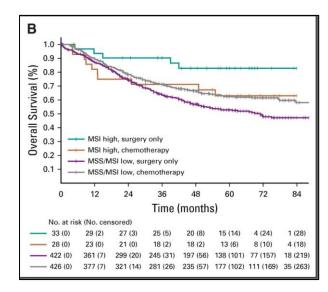


MSI Status Informs Chemo for Resectable GC

- MAGIC, CLASSIC, ARTIST, and ITACA-S trials (91.7% GC)
- MSI high: 121 (7.8%) small %-age of pts
- MSI high is favorable prognostic factor
 - 72.8% 5-year DSF, 95% CI 63.8-80.7%) versus 52% CI 49.1%-55.1%)
 - o Longer DSF: HR 1.88;95% CI, 1,1 P=0.008)
- BEST SURVIVAL in M SURGERY ONLY
- WORST SURVIA **SURGERY ONLY**







F. Pietrantonio et al. JCO 2019





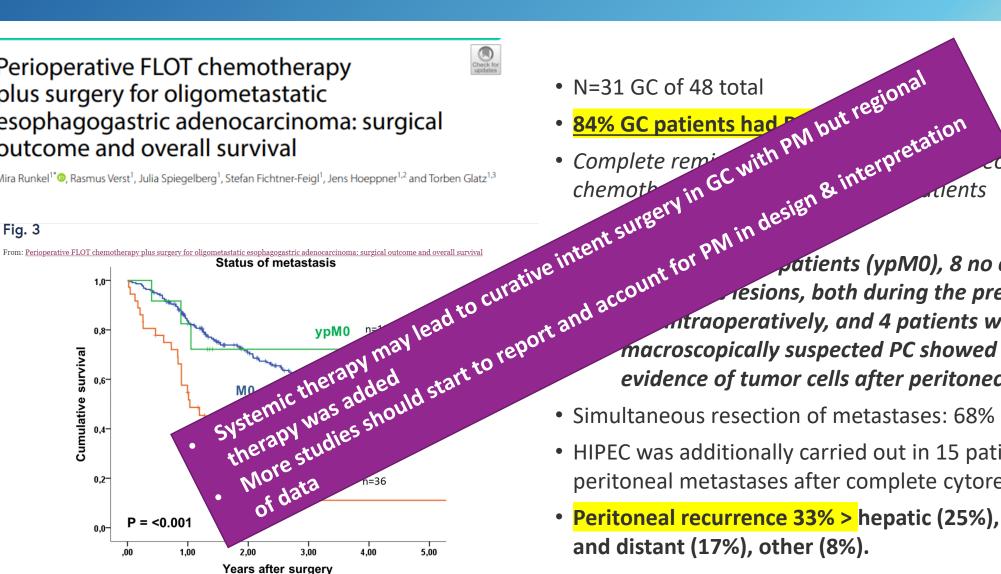
Perioperative FLOT chemotherapy plus surgery for oligometastatic esophagogastric adenocarcinoma: surgical outcome and overall survival



Eoperative

Mira Runkel^{1*}, Rasmus Verst¹, Julia Spiegelberg¹, Stefan Fichtner-Feigl¹, Jens Hoeppner^{1,2} and Torben Glatz^{1,3}





satients (ypM0), 8 no evidence of resions, both during the preoperative staging intraoperatively, and 4 patients with macroscopically suspected PC showed no histologic evidence of tumor cells after peritonectomy.

- Simultaneous resection of metastases: 68% of patients (n = 33)
- HIPEC was additionally carried out in 15 patients with peritoneal metastases after complete cytoreductive surgery.
- Peritoneal recurrence 33% > hepatic (25%), local (8%), local and distant (17%), other (8%).

Kaplan Meier 5- year survival for patients with oligometastatic EGAC depending on status of metastases

M. Runkel et al. BMC Surgery 2021



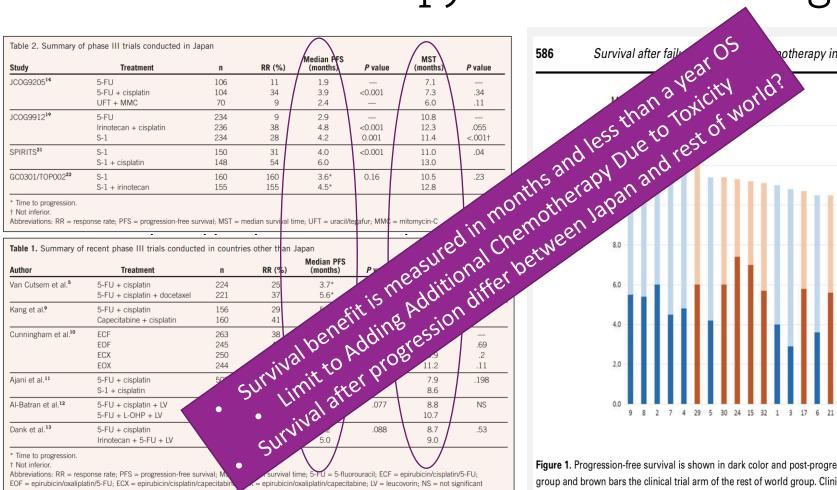


Systemic Therapies in GC with PM

2021 Failures of current therapy in the peritoneum are high in resectable GC patients Pembrolizumab Rarely, are effects of systemic therapy on GC PM specifically measured or reported +trastuzumab+fluorouracil+cisplatin or capecitbine + oxaliplatin in clinical trial with systemic agents \rightarrow leaves many questions unanswered Few PM directed trial designs and PM specific endpoints exist in clinical trial 2017-2018 literature Pembrolizumab Epirubicin+ 5-FU + Oxaliplatin MSI-H or dMMR solid tumors Oxaliplatin (FLO) Capecitabine Trastuzumab + **Overall Response Rate** (EOX) Capecitabine + CDDP+5FU or 74% in pembro arm Cisplatin (XP) 52% in placebo arm Capitabine (P<0.0001)**FOLFOX** Docetaxel+ Cisplatin + 5-FU 5-FU Alone 13.8 mo ~17 mo 7.0 mo 10.7 mo 11.2 mo 9.2 mo 10.5 mo Survival in Months compared to Best Supportive Care (4 months)



Not a Curative Therapy nor Achieve Long-term Survival



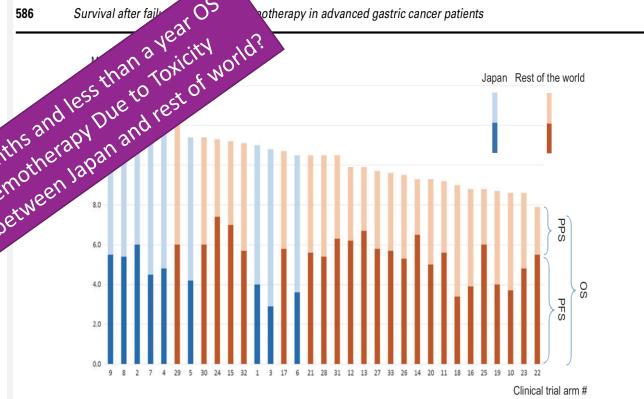
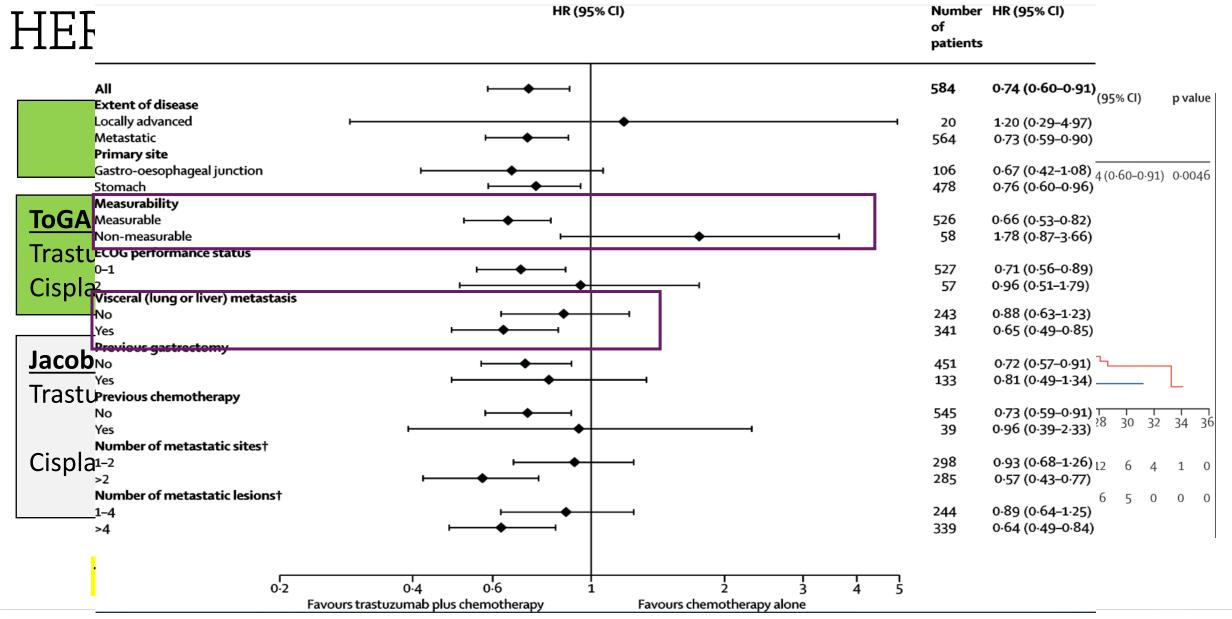


Figure 1. Progression-free survival is shown in dark color and post-progression survival in light color. Blue bars represent the clinical trial arm of the Japanese group and brown bars the clinical trial arm of the rest of world group. Clinical trial numbers are given in Table 2.

J. Cheng et al. Ther Adv Med Oncol 2019; A. Takashima et al. Gastroinest Cancer Res 2009











VEGFR2 Targeting Strategies

RAINBOW: Ramucirumab plus paclitaxel (n=330) vs Placebo plus pacelitaxel (n=335)

- Age=61 (25-84)
- Ethnicity = 4% black or other | 63% white | 33% Asian
- Lauren type= Intestinal (44%) | Diffuse (35%)
- Peritoneal Metastases = 49% tx arm | 45% control arm
- Ascites present in 39% tx arm | 32% control arm
- Previously therapy = Triplet (25%)|Doublet (77%)|HER2 EGFR (9%)
- Previously surgery = Total (16%) | partial (24%)
- PFS/OS benefit of 1.5, 2.2 months → 47% Grade 3, 22% Grade 4, and 12% Grade 5

Second Line Treatment in VEGFR2+

RAINBOW Phase III (p=0.017) Median ORR/ PFS/ OS

Ramucirumab +Paclitaxel 28%/ 4.4/ 9.6

Paclitaxel 16%/ 2.9/ 7.4

REGARD Phase III (p=0.047) Median ORR/ PFS/ OS

Ramucirumab 3%/ 2.1/ 5.2 Placebo 3%/ 1.3/ 3.8

^r 2nd Therapy

Fuchs CS et al. *Lancet*. 2014; Wilke H et al. *Lancet Oncol*. 2014:





Fuchs CS et al. Lancet Oncology 2019

PD-1 Targeting Strategies

FDA approves pembrolizumab for adults and children with TMB-H solid tumors

- June 16, 2020 → for the treatment of adult and pediatric patients with unresectable or metastatic tumor mutational burden-high (TMB-H) [≥10 mutations/megabase (mut/Mb)] solid tumors, that have progressed following prior treatment and who have no satisfactory alternative treatment options.
- Prospectively-planned retrospective analysis of 10 cohorts of patients with various previously treated unresectable or metastatic TMB-H solid tumors enrolled in a multicenter, non-randomized, open-label trial, KEYNOTE-158 (NCT02628067)
- A total of 102 patients (13%) had tumors identified as TMB-H, defined as TMB ≥10 mut/Mb.
- The ORR for these patients was 29% (95% CI: 21,39), with a 4% complete response rate and 25% partial response rate. The median DoR was not reached, with 57% of patients having response durations ≥12 months and 50% of patients having response durations >24 months.

FDA grants accelerated approval to pembrolizumab for HER2-positive gastric cancer

- May 5, 2021 → interim analysis of 264 patients of on-going KEYNOTE-811 (NCT03615326) a multicenter, randomized, double-blind, placebo-controlled trial in patients with HER2-positive advanced gastric or gastroesophageal junction (GEJ) adenocarcinoma who had not previously received systemic therapy for metastatic disease.
- Patients were randomized (1:1) to receive pembrolizumab 200 mg or placebo every 3 weeks, in combination with trastuzumab and either fluorouracil plus cisplatin or capecitabine plus oxaliplatin
- Overall response rate: The ORR was 74% (95% CI 66, 82) in the pembrolizumab arm and 52% (95% CI 43, 61) in the placebo arm (p-value< 0.0001).





ASCO POST 2020

Survival Benefits Achieved With Pembrolizumab in MSI-H and CPS ≥ 10 **Gastric/Gastroesophageal Junction Cancer**

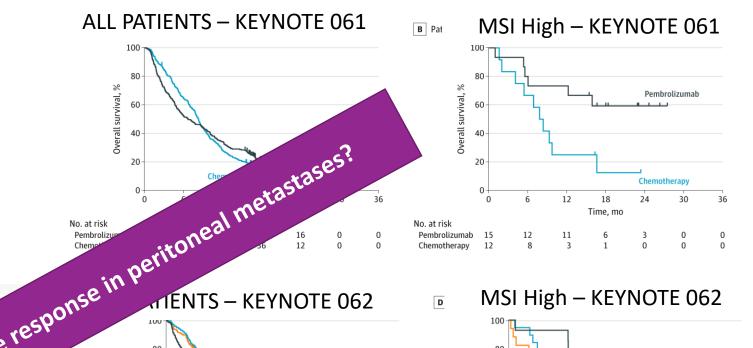




Joseph Chao, MD

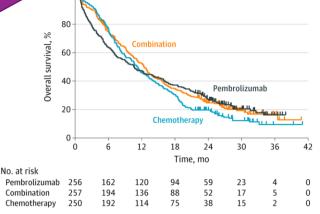
Zev A. Wainberg, MD TABLE 1: Outcomes by Line of Therapy in Patients With MSI-H Disease

	KEYNOTE-062 (First-line pembrolizumab vs chemotherapy)	KEYNOTE-061 (≥ Second-line pembrolizumab v chemotho	nat is the r
Objective response rate	57% vs 37%	W.	
Median progression-free survival	11.2 vs 6.6 mo	17.8 vs	NR
Median overall survival	NR vs 8.5 mo	NR vs 8.1 mo	NR

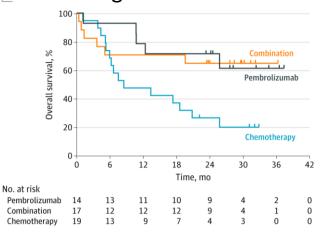


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MSI High – KEYNOTE 062



Shitara K et al. Lancet 2018. J. Chao et al. JAMA Oncol. 2021





Immune Checkpoint Targeting Strategies

	five or more		All randomly assigned patients	
	Nivolumab plus chemotherapy (n=473)	Chemotherapy alone (n=482)	Nivolumab plus chemotherapy (n=789)	Chemotherapy alone (n=792)
Median age, years	63 (54-69)	62 (54-68)	62 (54-69)	61 (53-68)
<65	266 (56%)	286 (59%)	473 (60%)	488 (62%)
≥65	207 (44%)	196 (41%)	316 (40%)	304 (38%)
Sex				
Men	331 (70%)	349 (72%)	540 (68%)	560 (71%)
Women	142 (30%)	133 (28%)	249 (32%)	232 (29%)
Race				
Asian	119 (25%)	117 (24%)	186 (24%)	189 (24%)
White	328 (69%)	327 (68%)	556 (70%)	541 (68%)
American Indian or Alaska Native	10 (2%)	10 (2%)	12 (2%)	14 (2%)
Black or African American	2 (<1%)	7 (1%)	7 (1%)	11 (1%)
Other	14 (3%)	21 (4%)	28 (4%)	36 (5%)
Not reported	0	0	0	1 (<1%)
Region				
Asia	117 (25%)	111 (23%)	178 (23%)	178 (22%)
USA and Canada	67 (14%)	70 (15%)	131 (17%)	132 (17%)
Rest of world	289 (61%)	301 (62%)	480 (61%)	482 (61%)
ECOG performance status*				
0	194 (41%)	203 (42%)	326 (41%)	336 (42%)
1	279 (59%)	278 (58%)	462 (59%)	452 (57%)
2	0	0	1 (<1%)	3 (<1%)
Not reported	0	1 (<1%)	0	
Primary tumour location at initia	al diagnosis			
Gastric cancer	333 (70%)	334 (69%)	-	10
Gastro-oesophageal junction cancer	84 (18%)	86 (18%)	ROVES	MIN
Oesophageal adenocarcinoma	56 (12%)	nD	ROVL	adve
Tumour cell PD-L1 expression		" YA,		
<1%† ≥1%	F	or'		1(6%)
Previous surgery				(22.2)
Yes	9)		(40%)	176 (22%)
No	376		629 (80%)	616 (78%)
Disease stage				
Metastatic	454 (969	461 (96%)	757 (96%)	756 (95%)
Locally advanced	16 (3%)	20 (4%)	27 (3%)	34 (4%)
Locally recurrent	3 (1%)	1(<1%)	5 (1%)	2 (<1%)
Organs with metastases			- , ,	, ,
			af 4 (200)	4 On (224)
1	98 (21%)	105 (22%)	164 (21%)	183 (23%)

chemotherapy alone for advanced gastric, gastrooesophageal junction, and oesophageal adenocarcin
(CheckMate 649): a randomised, open-label

Patients with a PD-L1 CPS of five or more

Nivolumab plus Chemotherapy versus

All randomly assigned and possible chemotherapy for open-label

All randomly assigned and possible chemotherapy for open-label

All randomly assigned and possible chemotherapy for open-label

Ontaining chemotherapy for open-la

	Patients with a PD-L1 CPS of five or more		All randomly assi	
(Continued from previous page) Site of metastases Liver Peritoneum Ons Mith fluid Metastatic GC Metastatic GC	Nivolumab plus chemotherapy (n=473)	Chemotherapy alone (n=49	ad pl	atinum
(Continued from previous page)		0	- and h	agea.
Site of metastases		aidine	` ~cop''	
Liver		imi	9 62	(40%)
Peritoneum	CAODA.	ek ai.		188 (24%)
CNS	701 ca	uce.	176)	0
" Ati	CE) CO			
CO WILL	. 65	176)	145 (18%)	136 (17%)
ation rices	"	413 (86%)	644 (82%)	656 (83%)
station				
netas	171 (36%)	176 (37%)	272 (34%)	267 (34%)
	137 (29%)	141 (29%)	254 (32%)	273 (34%)
	37 (8%)	30 (6%)	58 (7%)	48 (6%)
nknown	128 (27%)	135 (28%)	205 (26%)	204 (26%)
Microsatellite instability status				
Microsatellite stable	423 (89%)	423 (88%)	695 (88%)	682 (86%)
Microsatellite instability-high	18 (4%)	16 (3%)	23 (3%)	21 (3%)
Not reported or invalid	32 (7%)	43 (9%)	71 (9%)	89 (11%)
Chemotherapy regimen§				
FOLFOX	237/468 (51%)	242/465 (52%)	422/782 (54%)	406/767 (53%
XELOX	231/468 (49%)	223/465 (48%)	360/782 (46%)	361/767 (47%
Data are median (IQR) or n (%). PD-L Cooperative Oncology Group. FOLFO *Based on case report form. All rand interactive response technology, †In	X=leucovorin, fluoro omly assigned patien	ouracil, and oxaliplati nts had ECOG perforr	n. XELOX=capecitabir nance status of 0 or 1	ne and oxaliplatin. based on

2 12-mo PFS rate for

(95% CI 32–41) for NIVO + CHEMO 22% (18–26) for chemotherapy alone 2-L1 CPS ≥1 (B) -

- 34% (95% CI 30–38) for NIVO + CHEMO
- 22% (19–26) for chemotherapy alone

All randomly assigned patients (C)-

- 33% (95% CI 30–37) for NIVO + CHEMO
- 23% (20–27) for chemotherapy alone

12- month OS rate

PD-L1 CPS ≥5 (A) -

- 57% (95% CI 53–62) for NIVO + CHEMO
- 46% (42–51) for chemotherapy alone

PD-L1 CPS ≥1 (B) -

- 56% (95% CI 52–59) for NIVO + CHEMO
- 47% (43–51) for chemotherapy alone;

ALL randomly assigned patients (C) -

- 55% (95% CI 51–58) for NIVO + CHEMO
- 48% (44–51) for chemotherapy alone

Y. Janjigan et al. Lancet. 2021





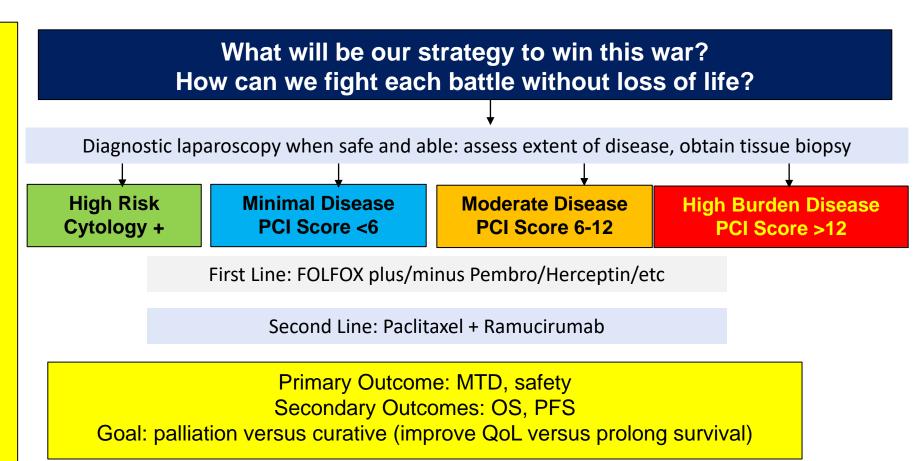
Therapeutic Strategies in GC with PM?

2021 Failures of current therapy is in the peritoneum are high in resectable GC patients Pembrolizumab Rarely, are effects of systemic therapy on GC PM specifically measured or reported +trastuzumab+fluorouracil+cisplatin or capecitbine + oxaliplatin in clinical trial with systemic agents \rightarrow leaves many questions unanswered Few PM directed trial designs and PM specific endpoints exist in clinical trial 2017-2018 literature Pembrolizumab Epirubicin+ 5-FU + Oxaliplatin MSI-H or dMMR solid tumors Oxaliplatin (FLO) Capecitabine Trastuzumab + **Overall Response Rate** (EOX) Capecitabine + CDDP+5FU or 74% in pembro arm Cisplatin (XP) 52% in placebo arm Capitabine (P<0.0001)**FOLFOX** Docetaxel+ Cisplatin + 5-FU 5-FU Alone 13.8 mo ~17 mo 7.0 mo 10.7 mo 11.2 mo 9.2 mo 10.5 mo Survival in Months compared to Best Supportive Care (4 months)



Is Regional Therapy Another Tactic that is Needed in the Strategy to Win Our War Against GCPM? YES!

Intent: Cure or care **Timing of Regional Therapy (First**line?, second-line?, Third-line) **Regional Drug Selection Combination Dosing Schedule?** Patient Selection-Age Performance status Disease characteristics (primary tumor versus PM) ☐ Histology, MSI status, TMB, **Burden of PC/MA** Other Sites of Metastases Biomarkers of response What else can equip us for each battle to win the war against GCPM

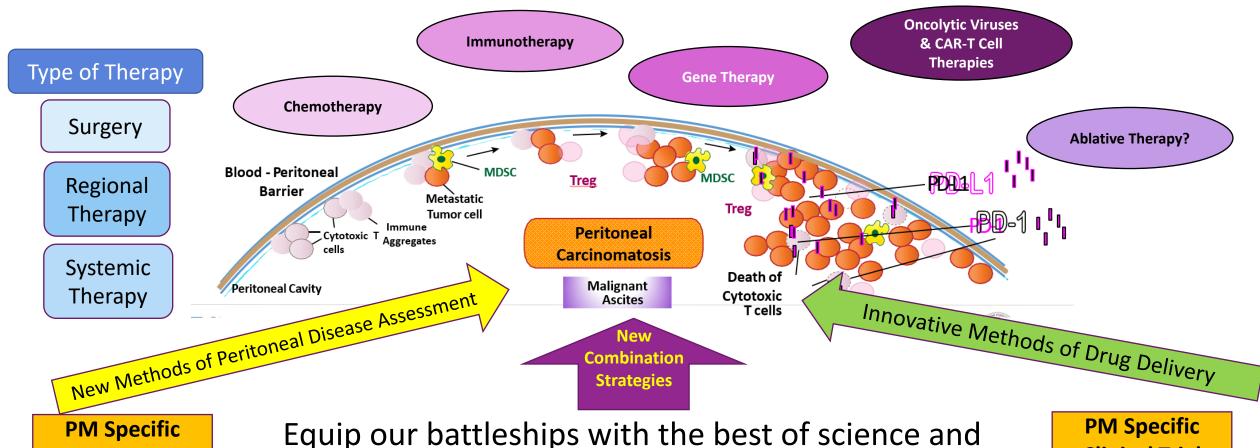


Exploratory Measures: peritoneal immuneTME changes over the course of therapy

Specimen collection: primary tumor, PM, peritoneal fluid, peripheral blood



Will Different Route of Delivery with Same Drugs Lead to a Cure of PM in GC? NO!



PM Specific Clinical Trial Designs?

Equip our battleships with the best of science and innovation for the cure and care of patients with GC PM

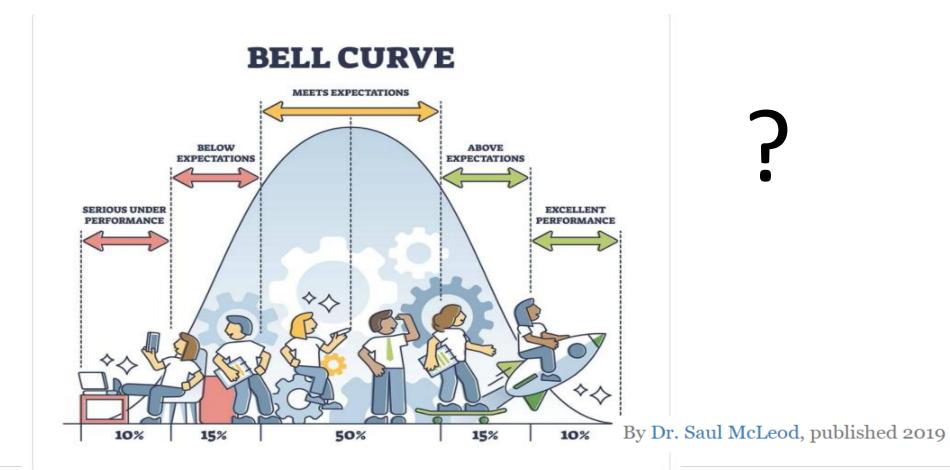
PM Specific Clinical Trial Endpoints





FINAL THOUGHTS

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Thank you for your attention and participation!



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Join Together to Develop the New Strategies!

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And Growing...



ISSPP & the U.S PIPAC Consortium





BACK in 30 Minutes for the LAST GREAT DEBATE – Is there a role for REGIONAL DIRECTED THERAPIES in GASTRIC CANCER?













Systemic Therapy Improves Survival

Perioperative Chemotherapy versus Surgery Alone for Resectable Gastroesophageal Cancer

David Cunningham, M.D., William H. Allum, M.D., Sally P. Stenning, M.Sc., Jeremy N. Thompson, M.Chir., Cornelis J.H. Van de Velde, M.D., Ph.D., Marianne Nicolson, M.D., J. Howard Scarffe, M.D., Fiona J. Lofts, Ph.D., Stephen J. Falk, M.D., Timothy J. Iveson, M.D., David B. Smith, M.D., Ruth E. Langley, M.D., Ph.D., Monica Verma, M.Sc., Simon Weeden, M.Sc., and Yu Jo Chua, M.B., B.S., for the MAGIC Trial Participants*

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- OS: HR for death, 0.75; 95% CI 0.60 to 0.93; P=0.009)
- PFS: HR for progression, 0.66; 95% CI 0.53 to 0.81;
 P<0.001)
- Recurrence in 24.4% versus 36.8 %
- 5-year survival rates:
 - 36.3 % (95 % CI 29.5 to 43.0%) perioperativechemotherapy group vs
 - 23.0 percent (95% CI, 16.6 to 29.4 %)
- 86% completed neoadj; 55% adjuvant started and 42% completed 6 cycles

ט. Cullilligham et al. INEJIVI 2000

Adjuvant capecitabine plus oxaliplatin for gastric cancer after D2 gastrectomy (CLASSIC): 5-year follow-up of an open-label, randomised phase 3 trial

Sung Hoon Noh*, Sook Ryun Park, Han-Kwang Yang, Hyun Cheol Chung, Ik-Joo Chung, Sang-Woon Kim, Hyung-Ho Kim, Jin-Hyuk Choi, Hoon-Kyo Kim, Wansik Yu, Jong Inn Lee, Dong Bok Shin, Jiafu Ji, Jen-Shi Chen, Yunni Lim, Stella Ha, Yung-Jue Bang*, on behalf of the CLASSIC trial investigators†

- 61.1% (95% CI, 56.8% to 65.3%) in the surgery-only group. The HR for death in the S-1 group compared with the surgery-only group was 0.669 (95% CI, 0.540 to 0.828),
- Postoperative adjuvant S-1 alone reduced the risk of death by 33.1%
- Reduction in the risk of mortality is comparable with MAGIC trial and the Intergroup 0116 (INT-0116) trial.



