

Expert Second Opinion: Optimizing the Use of Immunotherapy, MRD Assessment and Other Novel Approaches for Patients with Localized Colorectal Cancer

A CME Symposium Held Adjunct to the 2026 ASCO® Gastrointestinal Cancers Symposium

Thursday, January 8, 2026
7:15 PM – 8:45 PM PT

Faculty

Stacey A Cohen, MD
Jenny Seligmann, MBChB, PhD

Moderator

Christopher Lieu, MD

Faculty



Stacey A Cohen, MD

Professor

Fred Hutchinson Cancer Center
University of Washington
Seattle, Washington



Moderator

Christopher Lieu, MD

Professor of Medicine
Associate Director for Clinical Research
Director, GI Medical Oncology
University of Colorado Cancer Center
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Jenny Seligmann, MBChB, PhD

Professor of Gastrointestinal Cancer
University of Leeds
Leeds, United Kingdom

Dr Cohen — Disclosures

Faculty

Advisory Committees	AbbVie Inc, Agenus Inc, Caris Life Sciences, DoMore Diagnostics, Exact Sciences Corporation, Guardant Health, Incyte Corporation, Janssen Biotech Inc, Merck, Pfizer Inc, Roche Laboratories Inc
Data and Safety Monitoring Boards/Committees	GSK

Dr Seligmann — Disclosures

Faculty

No relevant conflicts of interest to disclose.

Dr Lieu — Disclosures

Moderator

Consulting Agreements (to Institution)	Pfizer Inc
Contracted Research (All to Institution)	Genentech, a member of the Roche Group, Janssen Biotech Inc, Sanofi

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Research To Practice CME Planning Committee Members, Staff and Reviewers

Planners, scientific staff and independent reviewers for Research To Practice have no relevant conflicts of interest to disclose.

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Expert Second Opinion: Current and Future Roles of Immunotherapy and Targeted Therapy in the Management of Advanced Gastroesophageal Cancers

A CME Symposium Held Adjunct to the 2026 ASCO® Gastrointestinal Cancers Symposium

Friday, January 9, 2026
6:00 PM – 8:00 PM PT

Faculty

Jaffer A Ajani, MD
David H Ilson, MD, PhD
Rutika Mehta, MD, MPH

Moderator

Samuel J Klempner, MD



Save The Date

Fifth Annual National General Medical Oncology Summit

*A Multitumor CME/MOC-, NCPD- and ACPE-Accredited
Educational Conference Developed in Partnership with
Florida Cancer Specialists & Research Institute*

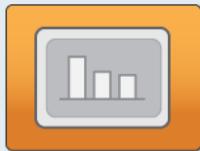
Friday to Sunday, April 24 to 26, 2026

The Ritz-Carlton Orlando, Grande Lakes | Orlando, Florida

Moderated by Neil Love, MD

Clinicians in the Meeting Room

Please refer to the printed handout provided with your meeting syllabus, and scan the corresponding QR code to



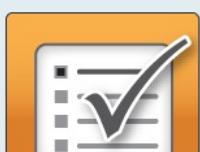
Review and Download Program Slides.



Answer Survey Questions: Complete the pre- and postmeeting surveys.



Ask a Question: We will aim to address as many questions as possible during the program.



Get CME Credit: Complete the course evaluation.

Expert Second Opinion
Optimizing the Use of Immunotherapy, MRD Assessment and Other Novel Approaches for Patients with Localized Colorectal Cancer

QUICK GUIDE TO IMPORTANT LINKS

- Ask the faculty — Submit cases and questions 
- Complete the 1-minute premeeting survey 
- Complete the 1-minute postmeeting survey 
- Complete the evaluation and receive CME credit 

ACCESS PROGRAM SLIDES

- Dr Seligmann — Neoadjuvant Treatment 
- Dr Lieu — Adjuvant Treatment 
- Dr Cohen — Circulating Tumor DNA Testing 

Clinicians Attending via Zoom



Review Program Slides: A link to the program slides will be posted in the chat room at the start of the program.



Answer Survey Questions: Complete the pre- and postmeeting surveys.



Ask a Question: Submit a challenging case or question for discussion using the Zoom chat room.



Get CME Credit: A credit link will be provided in the chat room at the conclusion of the program.

About the Enduring Program

- The live meeting is being video and audio recorded.
- The proceedings from today will be edited and developed into an enduring web-based program.
An email will be sent to all attendees when the activity is available.
- To learn more about our education programs, visit our website, www.ResearchToPractice.com



Expert Second Opinion: Optimizing the Use of Immunotherapy, MRD Assessment and Other Novel Approaches for Patients with Localized Colorectal Cancer

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Agenda

Module 1: Neoadjuvant Treatment for Localized Colorectal Cancer (CRC) — Dr Seligmann

Module 2: Emerging Novel Approaches to Adjuvant Treatment for Localized CRC — Dr Lieu

Module 3: Role of Circulating Tumor DNA (ctDNA) Testing in Localized CRC — Dr Cohen

Survey of 50 Community-Based General Medical Oncologists

December 22, 2025 – January 7, 2026

Agenda

Module 1: Neoadjuvant Treatment for Localized Colorectal Cancer (CRC) — Dr Seligmann

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Module 3: Role of Circulating Tumor DNA (ctDNA) Testing in Localized CRC — Dr Cohen



Neoadjuvant treatments for localised CRC: Opportunities for Progress

Jenny Seligmann

Professor of Gastrointestinal Oncology
and Honorary Medical Oncologist

University of Leeds, UK



Locally advanced colorectal cancer

A tale of 2 tumor sites.....

Locally advanced rectal cancer

Guideline recommended;
RT and/ or chemo

MRI and CT

cCR, Organ preservation
& DFS.

Protocolised

Locally advanced colon cancer

Neoadjuvant
treatment

Guideline endorsed (T4);
less well established

CT

DFS; (pathological
response)

No protocols

Response
assessment

A tale of 2 biomarker groups.....



MSI-H/ dMMR

- 5% LARC
- 15-20% LACC

MSS/ pMMR

- 95% LARC
- 80-85% LACC

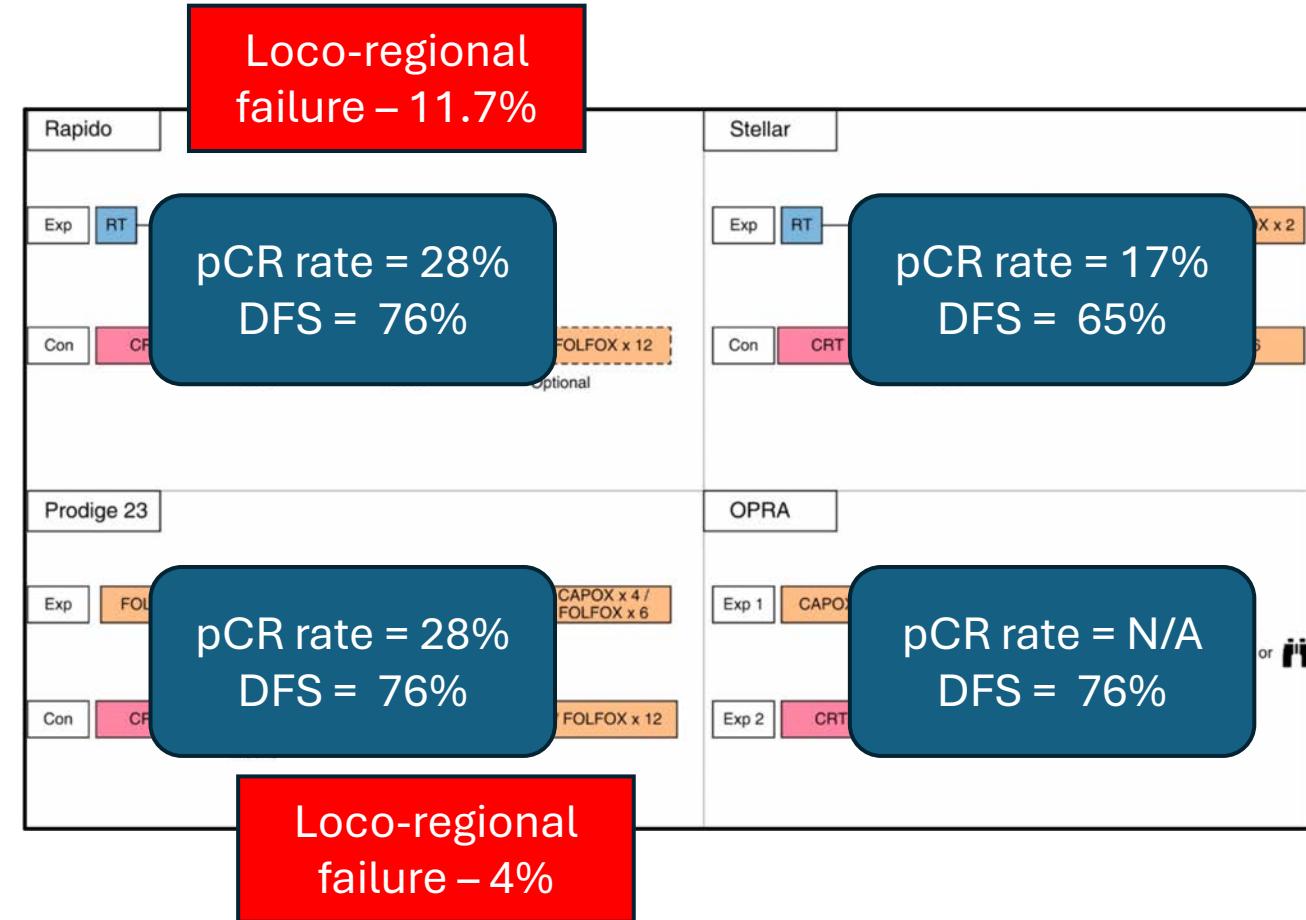
Potential advantages & disadvantages of a neoadjuvant therapy in localised CRC

- Positive experience in other cancers
- Early treatment of micro-metastases
- Downstaging for complete surgical resection
- Potential for organ preservation
- Preclinical studies show a stronger and deeper immune response with IO when primary tumor is *in situ*
 - Tumor microenvironment intact and tumor antigen heterogeneity may be minimal
- Will patients not proceed to surgical resection?
 - PD in neoadjuvant window
 - Toxicity from neoadjuvant treatment
- Will NAC lead to an increase in peri-operative complications?
- Can we select appropriate patients using radiological staging assessment?

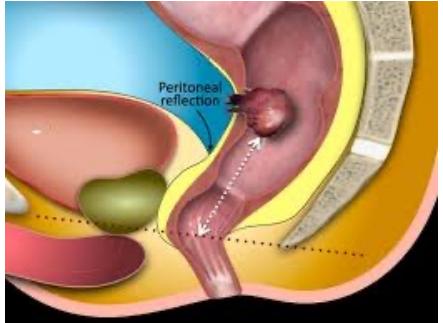


Locally advanced rectal cancer (LARC)

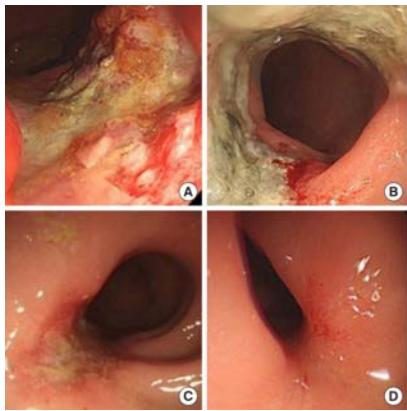
- Total neoadjuvant treatment with chemotherapy and radiotherapy (TNT) is international standard of care to reduce local and distant recurrences
- Multi-modal treatment is life-changing with risk of bladder, sexual, and bowel dysfunction, and risk of permanent stoma
- If complete clinical response (cCR) is achieved, OPRA showed organ preservation is a viable option
 - No detriment in DFS c/w TME
 - Upfront CRT then consolidation chemo led to higher 3 year TME-free rates



How do you select TNT strategy?



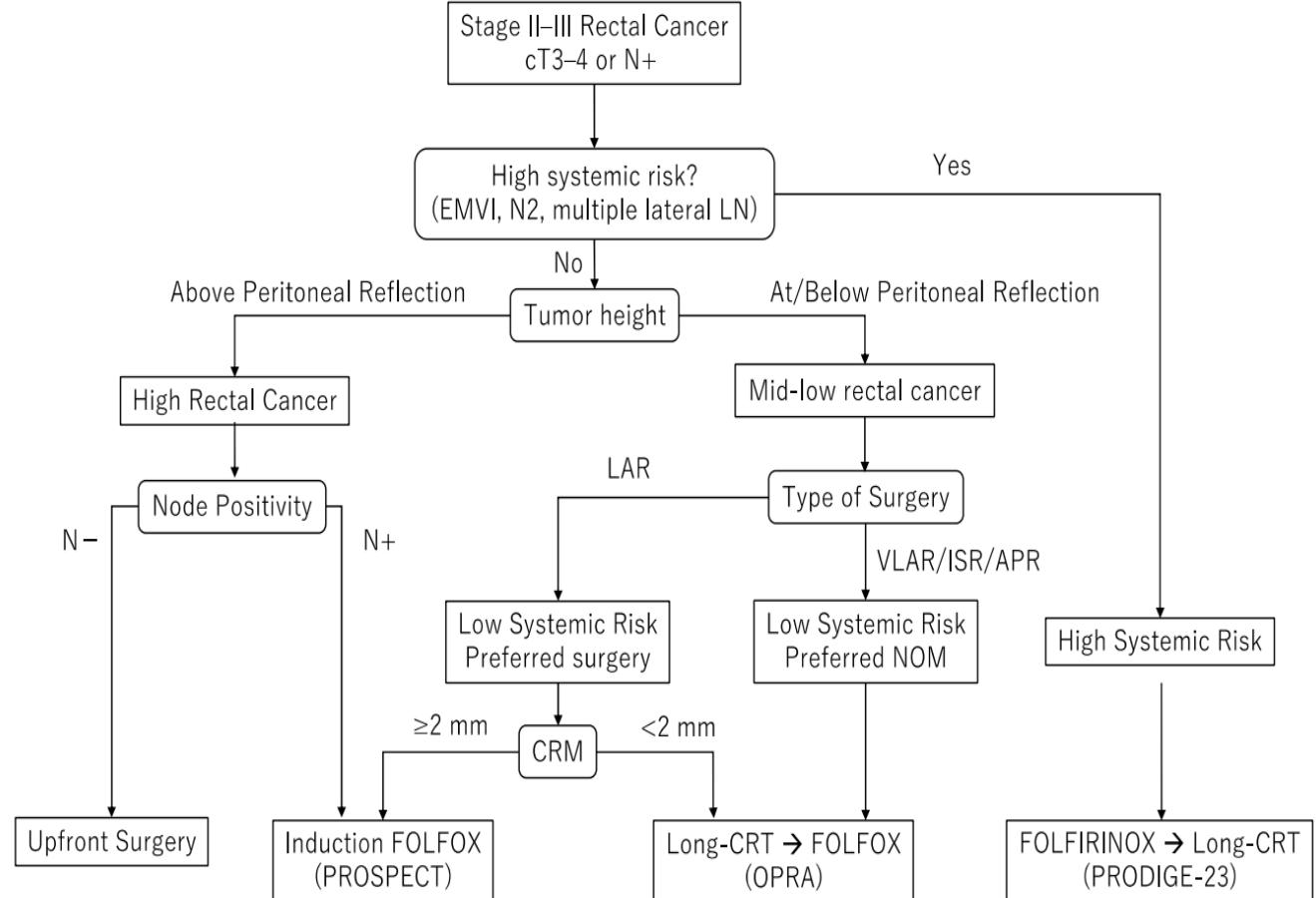
Anatomy



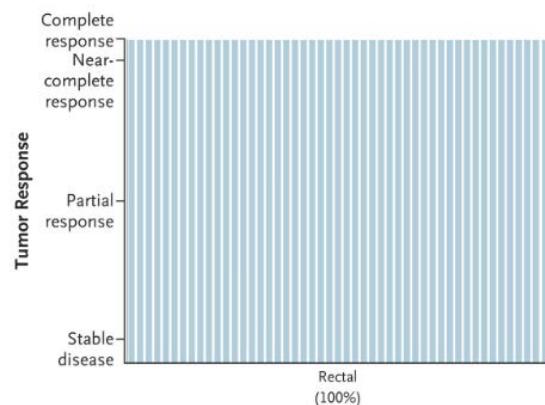
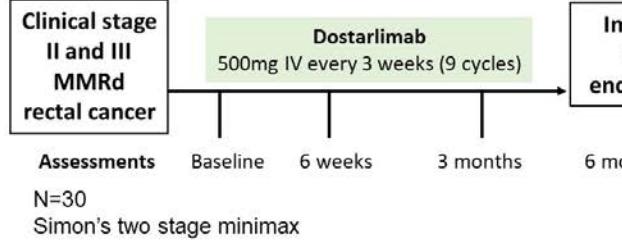
Treatment Intent



Biology/ local vs systemic risk



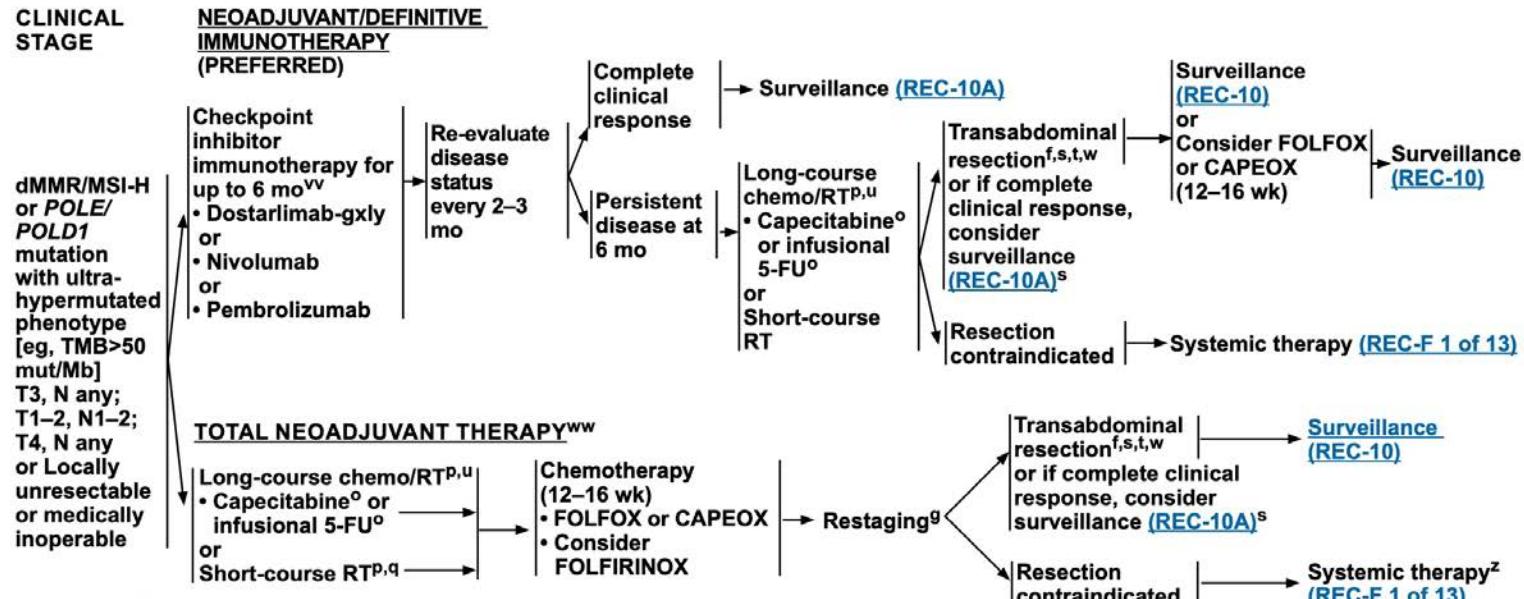
MSI-H Locally advanced rectal cancer: dostarlimab definitive treatment



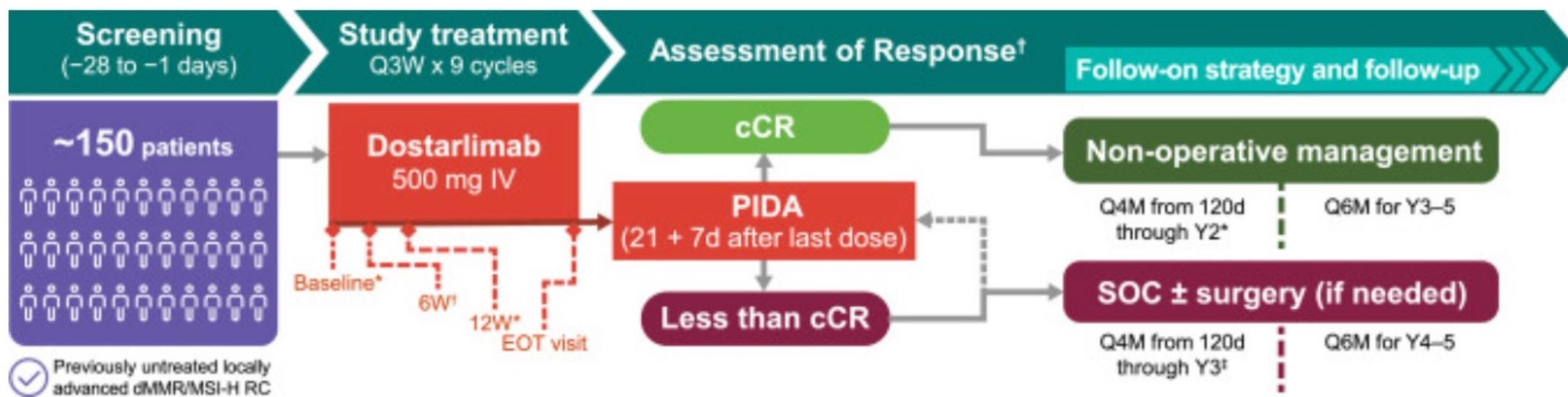
- 49 dMMR rectal cancer
 - 20% T4
- 49 cCR & proceeded to non-operative management
- Median follow up for recurrence 30 months
- RFS 92%
- ctDNA became undetectable during neoadjuvant treatment in complete responders

Does this data merit practice change?

- 49 patients
- Single centre with world-leading expertise
- Generalisability of patients?
- BUT – rare population
- Ethics of randomizing to SOC based upon current data

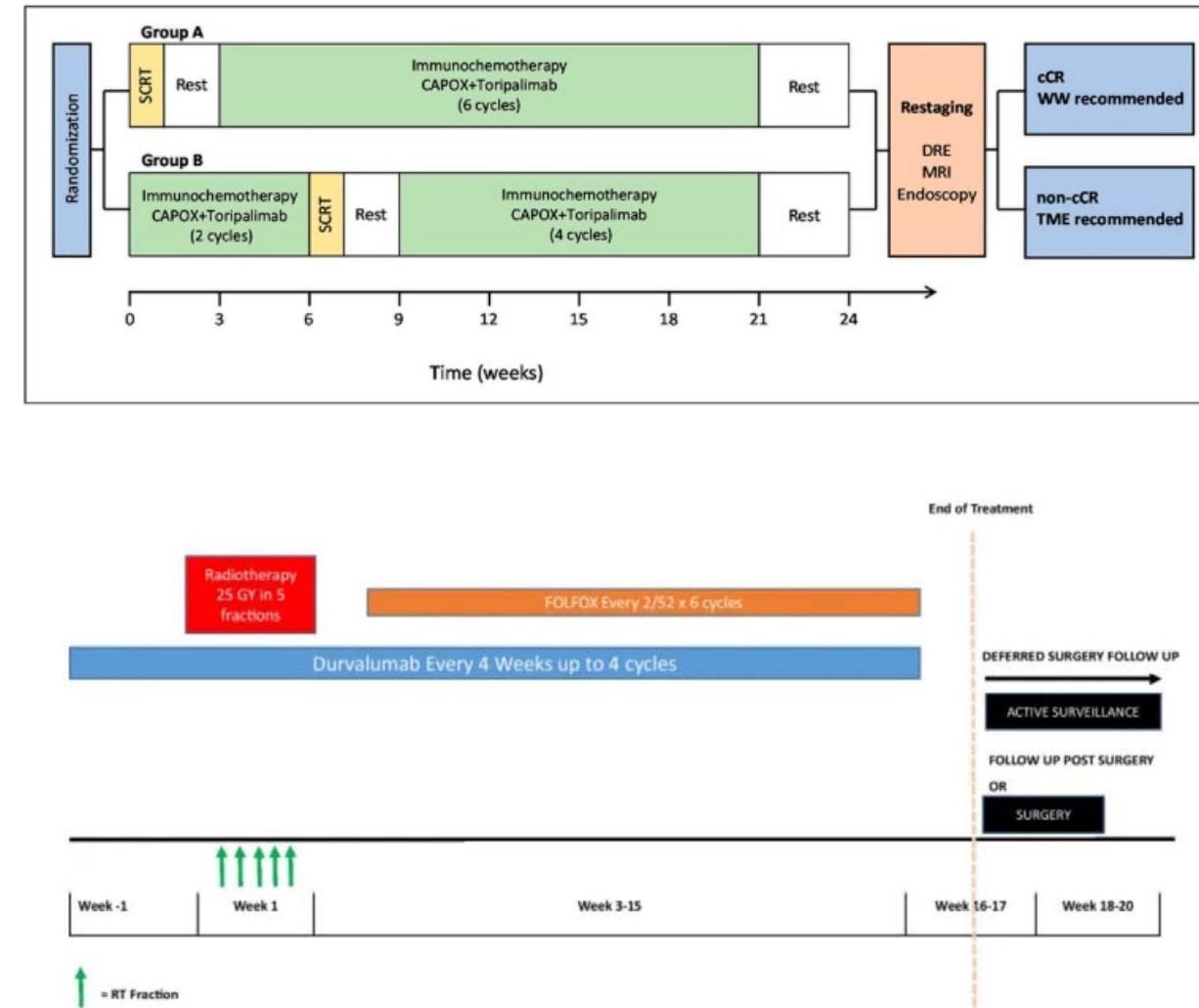


AZUR 1 – Global, single arm phase II registrational study

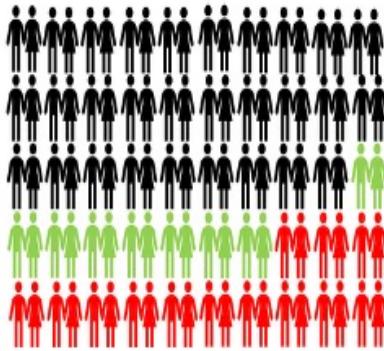


Neoadjuvant IO in MSS LARC

- Historical control cCR rate of 25%
- TORCH
 - 121 MSS LARC patients
 - CR rate 56.5% in Arm A
 - CR rate 54.2% Arm B
 - 15 pts in each group W & W strategy & remained disease free
- PRIME-RT
 - 46 MSS LARC patients
 - CR rate of 62% with SCRT



Neoadjuvant chemotherapy (NAC) for LACC



Problem:
Cured by surgery
Need:
Improve patient selection for chemotherapy beyond TNM?



Problem
Have disease recurrence despite current SOC
Need:
New treatment strategies beyond current SOC

Preoperative Chemotherapy for Operable Colon Cancer: Mature Results of an International Randomized Controlled Trial

Dino Morton, MD¹; Matthew Seymour, MD²; Laura Magill, PhD³; Kelly Handley, PhD⁴; James Glasbey, MD⁵; Bengt Gilmelius, MD⁶; Andy Palmer⁷; Jenny Seligmann, MD⁸; Steven Lauberg, MD⁹; Keigo Murakami, MD¹⁰; Nick West, MD¹¹; Philip Quirk, FMedSci¹²; and Richard Gray, MSc¹³; on behalf of the FOxTROT Collaborative Group

RANDOMIZED CONTROLLED TRIAL

Perioperative FOLFOX 4 Versus FOLFOX 4 Plus Cetuximab Versus Immediate Surgery for High-Risk Stage II and III Colon Cancers

A Phase II Multicenter Randomized Controlled Trial (PRODIGE 22)

M. Karoui, MD, PhD^{1,2}; A. Rullier, MD³; G. Piessen, MD, PhD⁴; J. L. Legoux, MD⁵; E. Barbier, MD⁶; C. De Chaisemartin, MD^{7,8}; C. Lecaille, MD⁹; O. Bouche, MD, PhD¹⁰; H. Annaragues, MD¹¹; F. Brunetti, MD, §§ M. Prudhomme, MD, PhD¹²; J. M. Regimbeau, MD, PhD¹³; O. Glehen, MD, PhD¹⁴; A. Lievre, MD, PhD^{15,16}; G. Portier, MD, PhD^{17,18}; J. Hartwig, MD, §§ G. Goujon, MD^{19,20}; B. Roman, MD, PhD^{1,21}; C. Lepage, MD, PhD²²; and J. Titeb, MD, PhD^{1,21}.

2022 ASCO ANNUAL MEETING

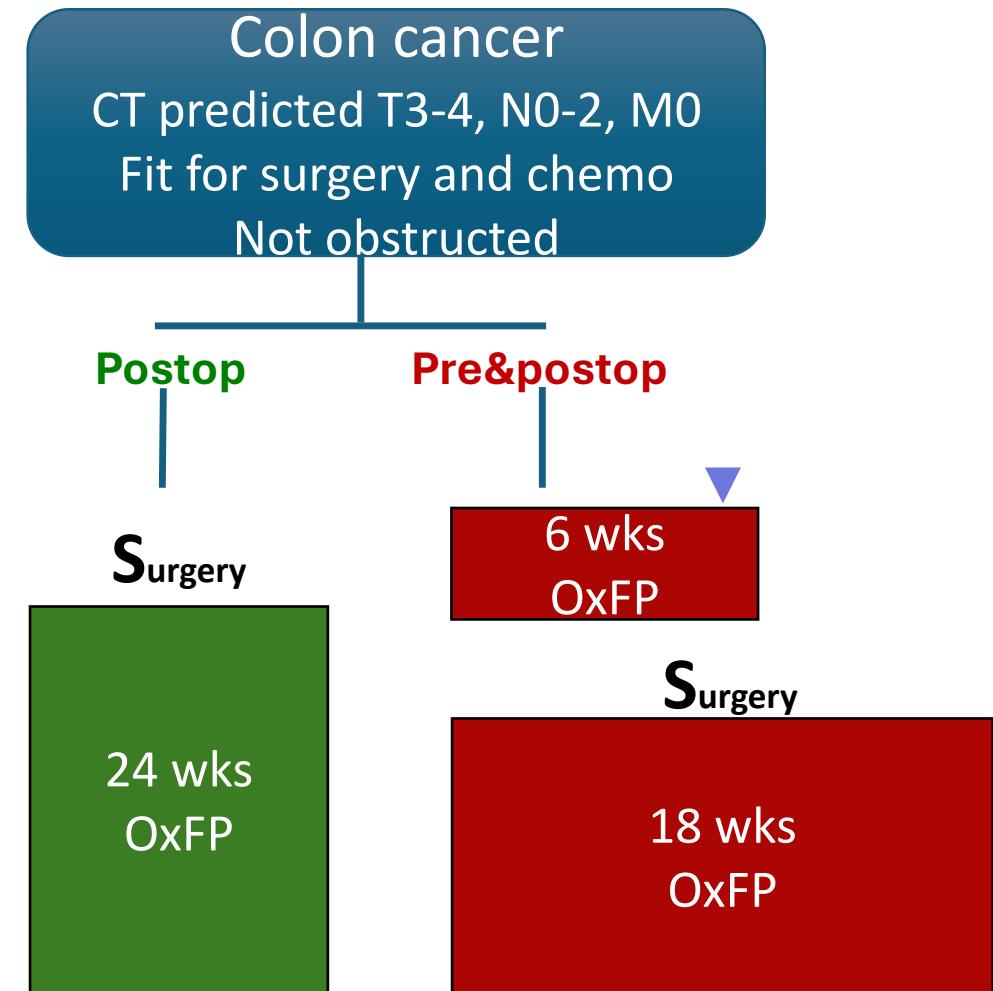
Perioperative Chemotherapy With mFOLFOX6 or CAPOX for Patients With Locally Advanced Colon Cancer (OPTICAL): A Multicenter, Randomized, Phase III Trial

Huabin Hu, Meijin Huang, Yunfeng Li, Ziqiang Wang, Xiaozhong Wang, Ping Liu, Ruyi Zhang, Hao Zhang, Zhongcheng Huang, Haiping Pei, Yongming Zeng, Jiajun Lai, Wenbin Chen, Jiani Chen, Zhijie Ding, Hongbo Wei, Qingwen Xu, Jigui Chen, Jianping Wang, Yanhong Deng²³

2023 ASCO ANNUAL MEETING

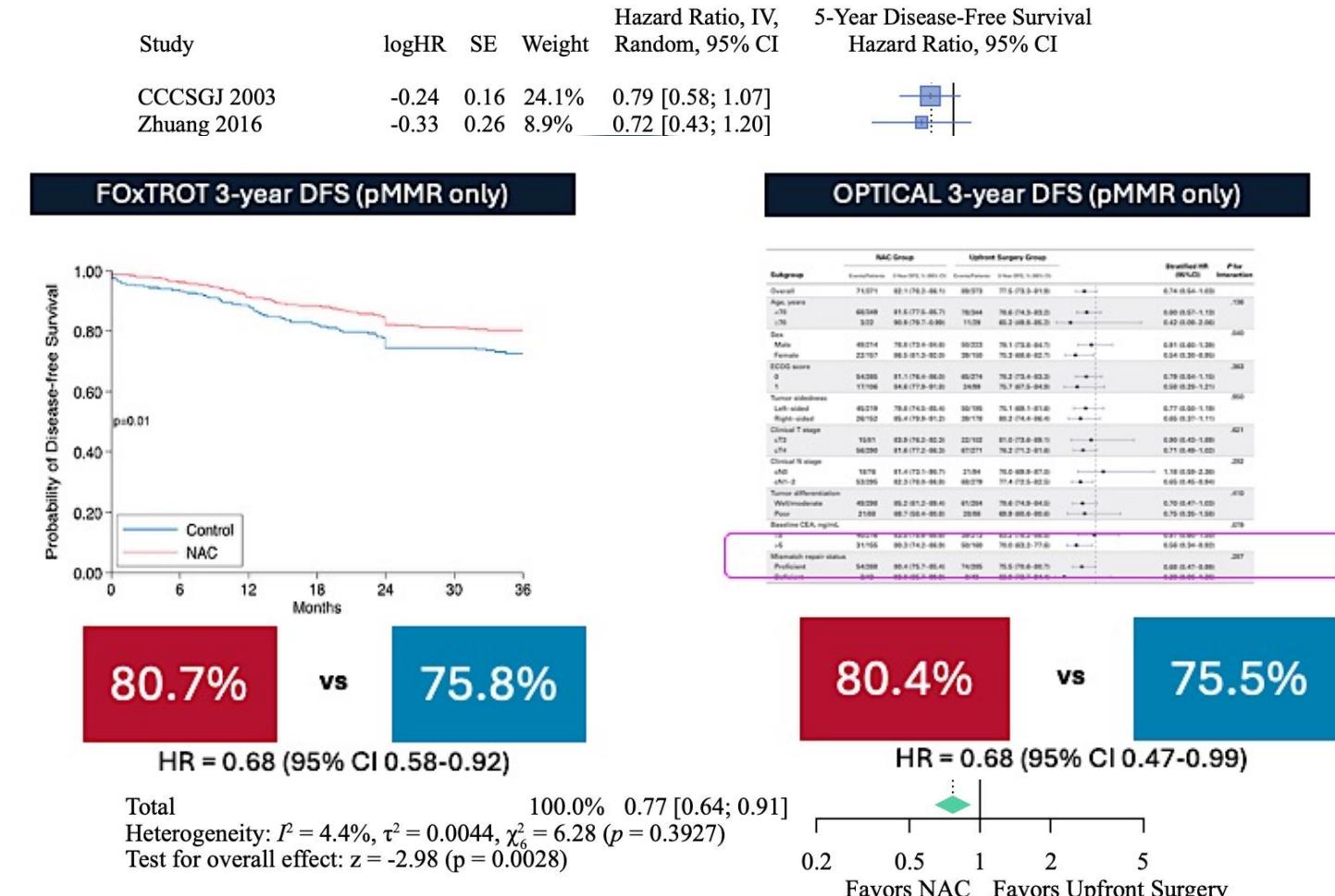
Phase III randomized clinical trial comparing the efficacy of neoadjuvant chemotherapy and standard treatment in patients with locally advanced colon cancer

The Scandinavian NeoCol trial

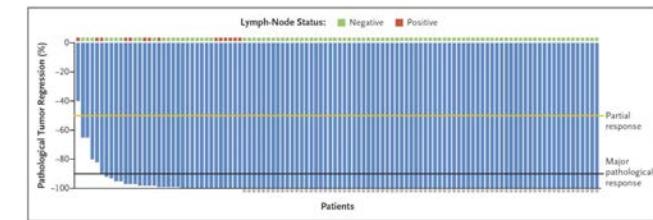


Meta-analysis of NAC in LACC

- 3038 patients included from 8 studies
- Compared with upfront surgery, NAC:
 - Significant improvement in 5-year DFS (HR 0.80) and OS (HR 0.77)
 - Reduction in positive surgical margin (4.1% vs 6.3%, $p<0.001$)
 - Safety (during NAC & peri-operative) consistent amongst studies
 - Reduction in anastomotic leak (4.4% vs 5.7%, $p=0.09$)



Neoadjuvant IO in MSI-H LACC



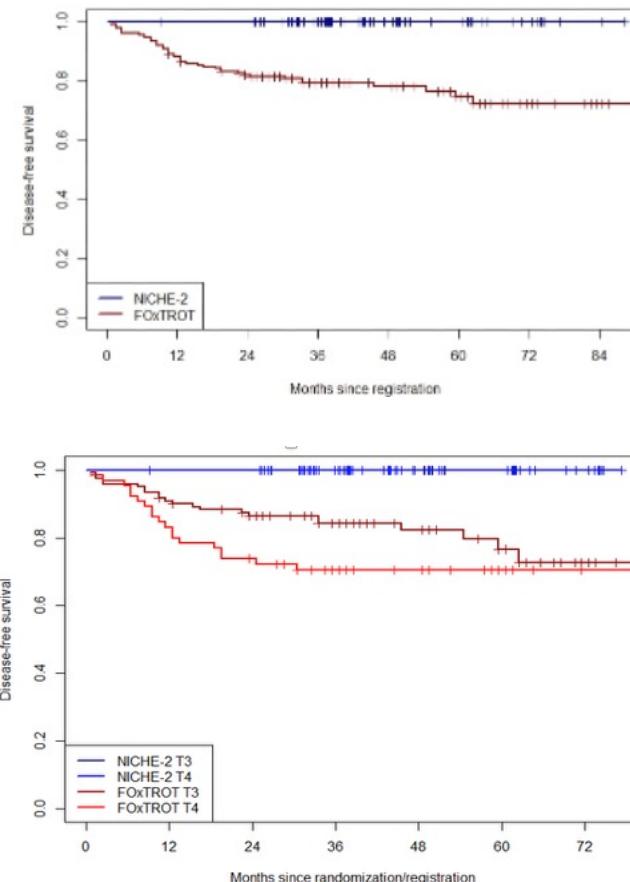
- Safety and deliverability demonstrated
- Consistent impressive efficacy
- Over shorter treatment duration combination appears superior
- Lesser difference in pCR if longer duration of anti-PD1 delivered
- Heterogeneity in study designs limit definitive conclusions on optimal regimen

Study	Design	pCR rate
PICC (34)	Toripalimab +/- celecoxib (12 weeks)	76.5%
Ludford (27)	Pembrolizumab (24 weeks)	79%
NEOPRISM (32)	Pembrolizumab (9 weeks)	53%
IMHOTEP	Pembrolizumab (6 weeks)	46.0%
IMHOTEP	Pembrolizumab (12 weeks)	68.2%
Xu et al	Sintilimab (4 weeks)	47.7%
NICHE 2 (107)	Nivolumab + ipilimumab (4 weeks)	68.0%
NICHE 3 (59)	Nivolumab +. Retalimab (4 weeks)	68.0%
Xu et al	IBI310 + Sintilimab (4 weeks)	80%
Kasi et al (4)	Botensilimab + balstilimab (4 weeks)	100%

Xu, ASCO Meeting 2024; Shiu, ASCO Meeting 2024; Ludford, JCO, 2023; Hu, Lancet Gastro Hep, 2022; Cercek, ASCO Meeting 2024, Kasi, ASCO GI Meeting, 2024

Do MSI-H LACC patients really need this approach?

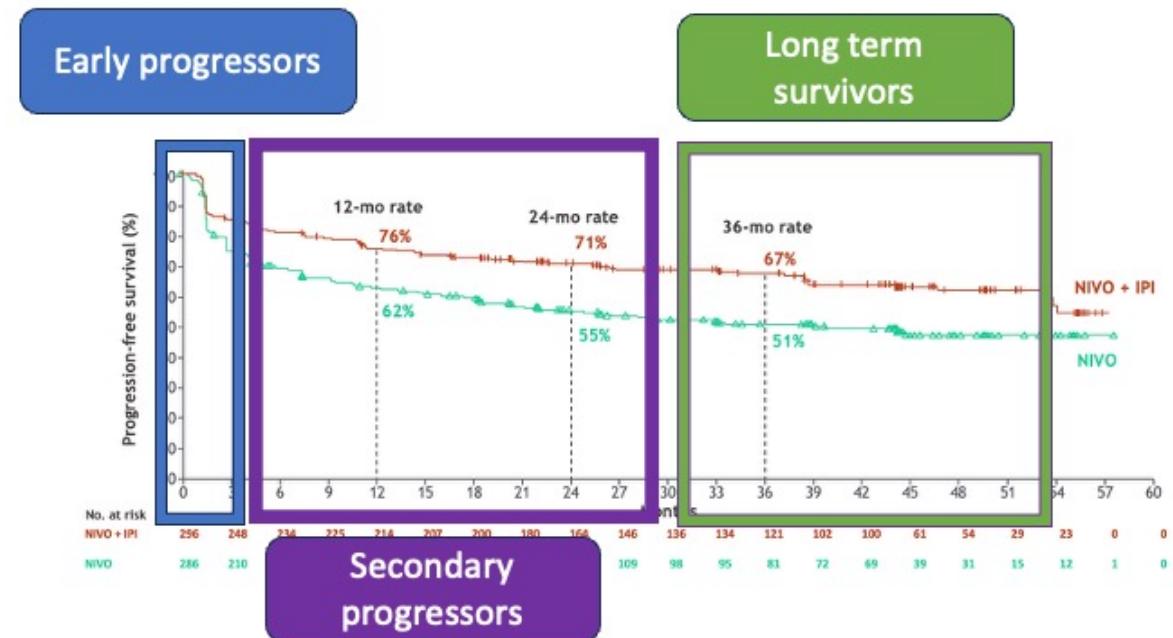
Combined DFS analysis of NICHE-2 and FOxTROT dMMR patients



NICHE-2 vs FOxTROT
DFS = 100% vs 80%,
 $p < 0.001\%$

DFS by T-stage:
T4 DFS = 100% vs 70%,
 $p < 0.001\%$

Heterogenous outcomes of treatment of metastatic MSI-H CRC



Has ATOMIC blasted out neoadjuvant IO in MSI-H?

cT4 tumors

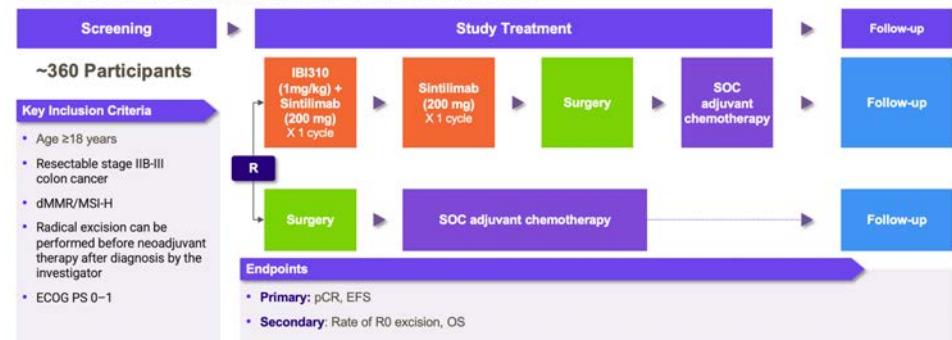
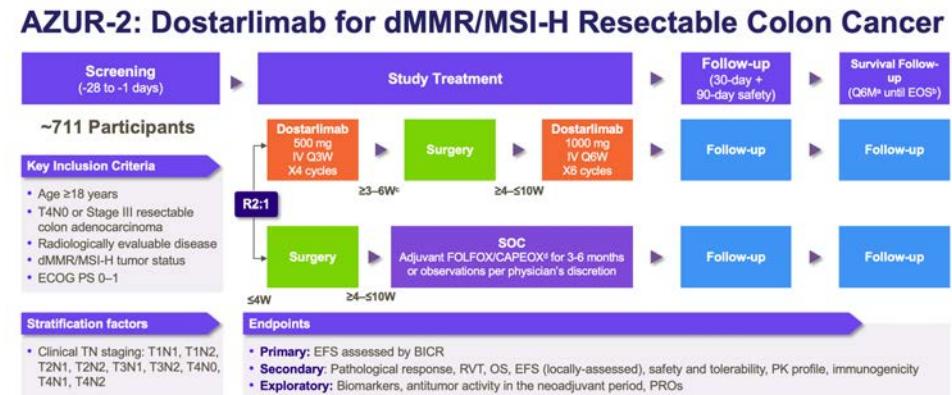
T3/ T4a tumors

What is needed for regulators?

High risk
Difficult to achieve
R0 resection without
multivisceral
resection

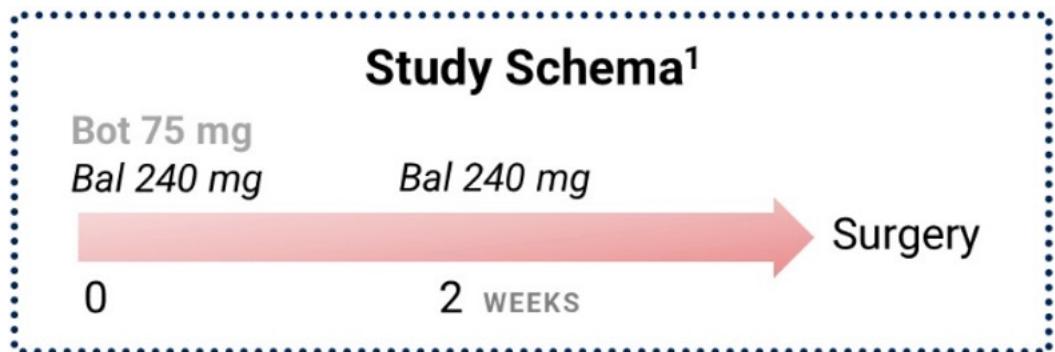
Should be
considered for
neoadjuvant IO

What is the benefit
compared with
ATOMIC or
observation?

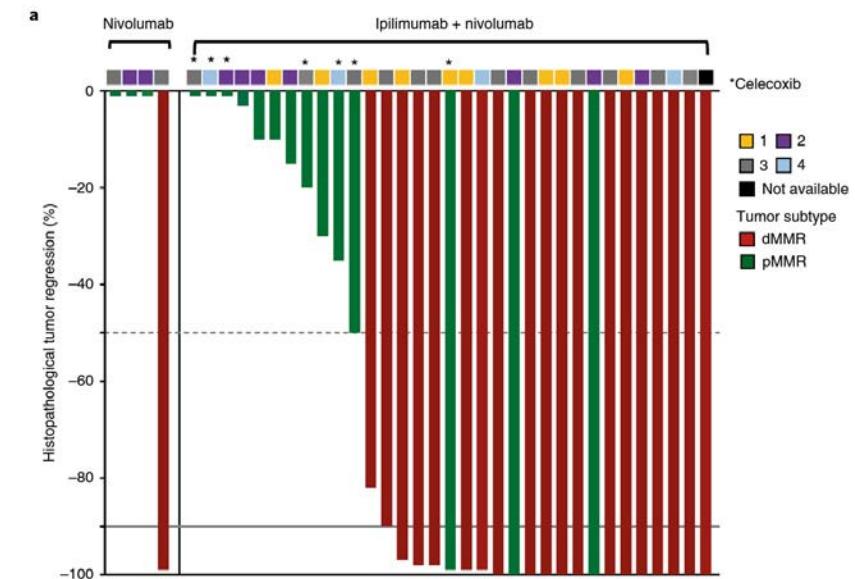


Neoadjuvant immunotherapy in MSS LACC

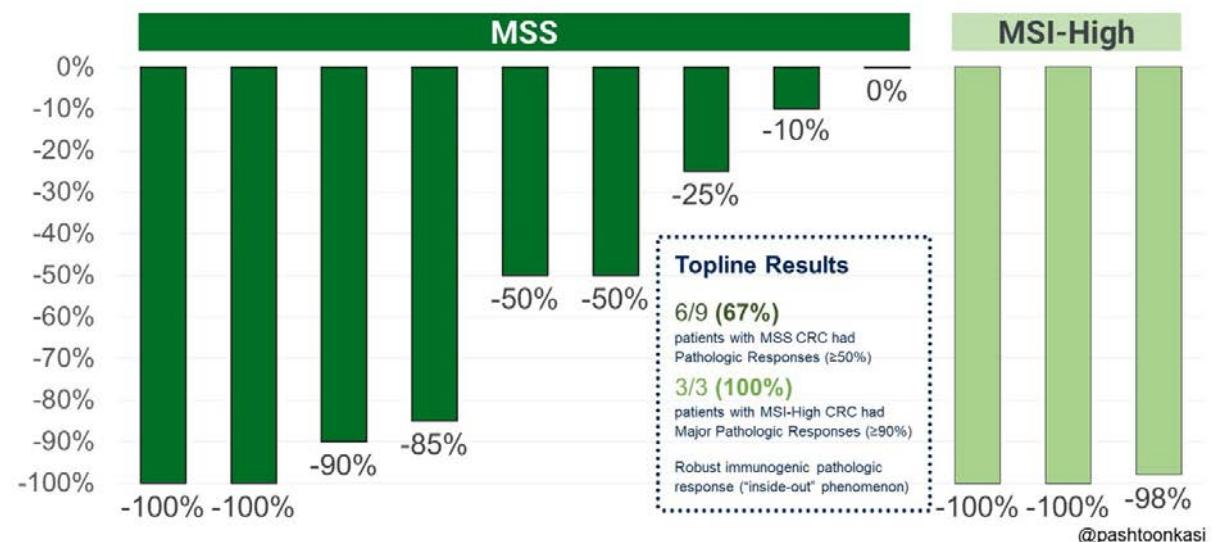
- Initial data from 20 pMMR tumors in NICHE 1
- 4/15 pMMR tumors (27%) had path responses (3 MPRs, 1 PR, 0 CR)
- NEST-1: Neoadjuvant Brotensilimab and Balstilimab in LACC



Chalabi et al, Nature Medicine, 2020, Kasi, GI ASCO, 2024



NEST-1 Clinical Trial: Pathologic Tumor Reductions (%) by Patient



What is the magnitude of risk for emerging safety concerns for IO for locally advanced CRC?

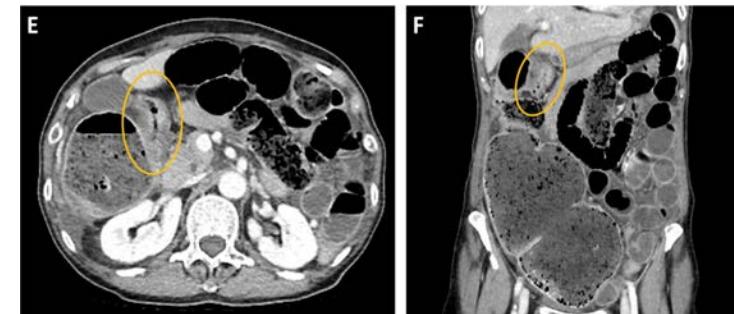
- Risk of grade 5 IO toxicity small but important risk.
- Caution with baseline patient frailty
- Risk of tumor related complications which are associated with good responses
- Low grade endocrinopathies can mean life-long treatment
- However, overall good tolerability & completion rates



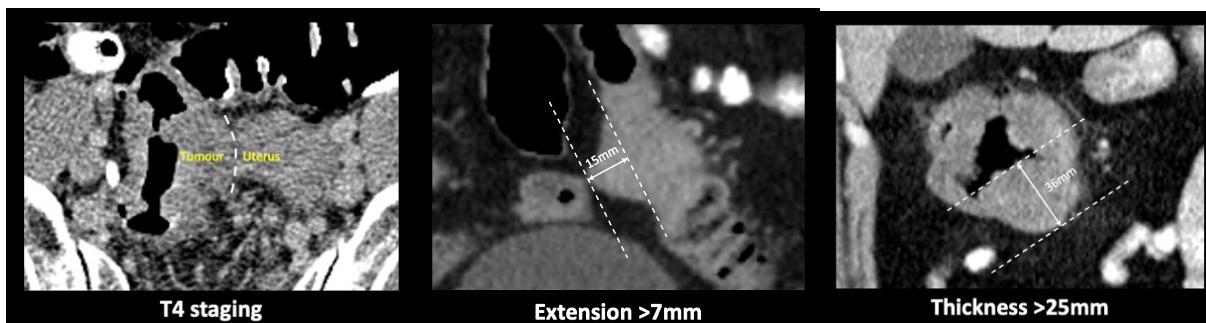
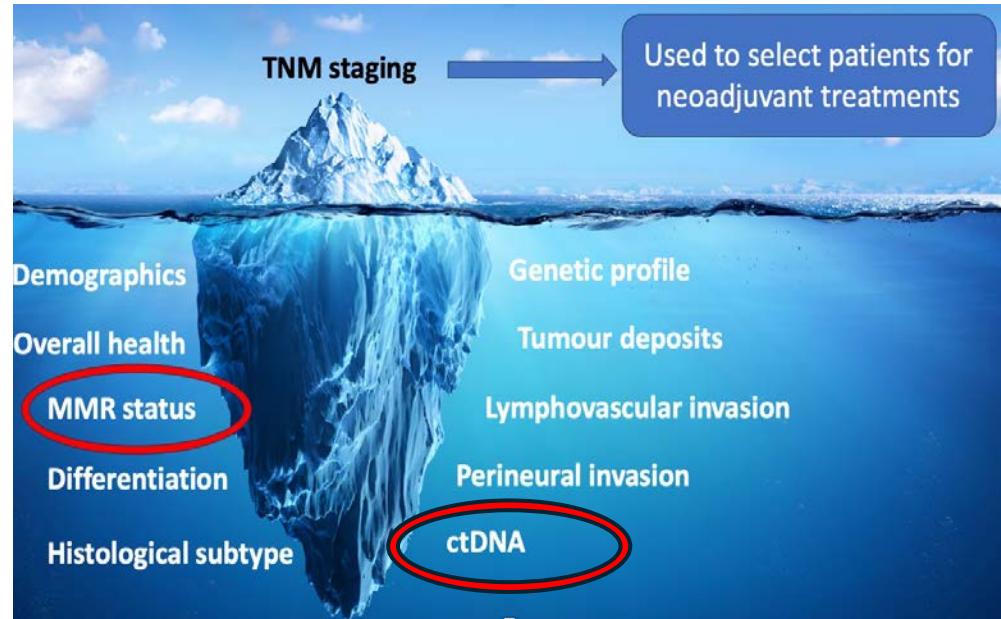
SHORT COMMUNICATION

Risk of bowel obstruction in patients with colon cancer responding to immunotherapy: an international case series

J. R. Platt^{1*}, J. Allotey², E. Alouani³, J. Glasbey⁴, R. Intini⁵, S. Lonardi⁶, G. Mazzoli⁷, A. M. Militello⁸, D. P. Modest^{9,10}, J. Palle^{11,12}, F. Pietrantonio⁷, K. Riyad¹³, L. Samuel², A. V. Schulze⁹, K. K. Shiu⁸, J. Taieb¹⁴, D. J. M. Tolan¹⁵, N. P. West¹⁶, A. C. Westwood¹⁶, C. J. M. Williams¹ & J. F. Seligmann¹

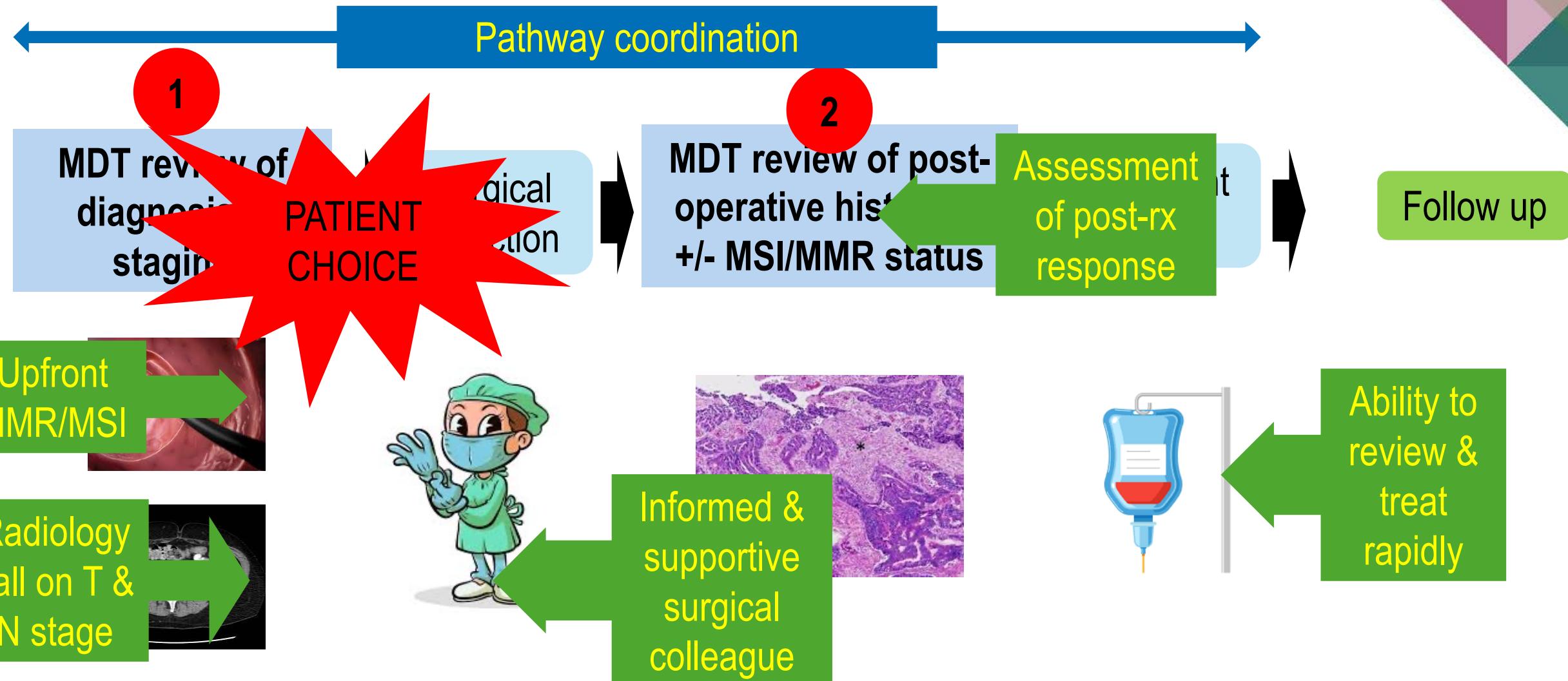


Patient selection & changing patient pathways



- Patient selection for neoadjuvant treatments for both LACC and LARC could be improved
- For colon cancer CT staging is possible
 - Radiological/ pathological correlation worse in dMMR than pMMR tumors
 - CT features identify high risk tumors at baseline, regardless of pathology
- MSI/MMR testing pre-surgery is guideline endorsed
- ctDNA may add to identification of the high risk patient at baseline
- Radiology/ surgical engagement critical

DECISION POINTS IN THE TREATMENT PATHWAY



Conclusions

- For locally advanced CRC knowledge of MSI/MMR status at baseline is important
- Use of neoadjuvant IO can be transformative in MSI-H LARC; work on implementation required
- Use of neoadjuvant IO should be recommended in the most advanced MSI-H LACC
 - Further evidence generation shall establish role compared with current SOC; long term data and biology supportive of neoadjuvant approach
- Greatest future opportunity for neoadjuvant IO is with both MSS LARC and LACC
- Neoadjuvant chemotherapy offers well evidenced improvements in long term outcomes compared with current SOC
- Further development urgently required to identify the high risk patient at baseline and response assessment
- The opportunity to cure more LACC patients requires implementation of new patient pathways and MDT collaborative working



Questions from General Medical Oncologists — Neoadjuvant Treatment for Localized Rectal Cancer

54 y/o man, Rectal adenocarcinoma, cT3N1, MSI-high/dMMR

Comorbidities: Obesity, obstructive sleep apnea disease. Surgical team considering total neoadjuvant therapy; oncology considering neoadjuvant PD-1 inhibitor instead of chemoradiation. In locally advanced MSI-high CRC, when should neoadjuvant checkpoint inhibition replace chemotherapy or chemoradiation?

Questions from General Medical Oncologists — Neoadjuvant Treatment for Localized Rectal Cancer

A 62-year-old man with rectal bleeding and tenesmus. Colonoscopy reveals a low rectal mass 6 cm from the anal verge. Biopsy confirms adenocarcinoma. MRI pelvis: cT3N1 rectal cancer, threatening the mesorectal fascia. CT chest/abdomen: no distant metastases. Molecular testing: MSI-high/dMMR (loss of MLH1 and PMS2). Multidisciplinary team recommends neoadjuvant immune checkpoint inhibition. Duration of treatment? Dostarlimab administered every 3 weeks for 6 months? Any role for combo IO/IO? Monitoring (MRI and colonoscopy): What is the role of ctDNA and if negative, how frequently should it be reordered?

Questions from General Medical Oncologists — Neoadjuvant Treatment for Localized Rectal Cancer

53 y/o M with MSI-H rectal adenocarcinoma, clinical complete response to neoadjuvant dostarlimab. Surgery vs observation, what is the protocol to manage patients without surgery?

55 y/o man with no comorbidities with Stage IIIA rectal cancer, was given 12 weeks of neoadjuvant dostarlimab, achieved clinical CR. Would you recommend additional chemo/RT or only surgery?

Questions from General Medical Oncologists — Neoadjuvant Treatment for Localized Rectal Cancer

36 y/o M with Lynch syndrome and Crohn's disease that is clinically quiescent, newly diagnosed Stage III rectal cancer. Is dostarlimab an option for a patient with Crohn's disease that is not active?

55 y/o M with Stage 3 rectal cancer, found to be MSI-H. Has hx of RA with moderate control on biologic therapy. Would experts consider single-agent IO vs doublet? What are situations where singlet may be preferred?

Questions from General Medical Oncologists — Neoadjuvant Treatment for Localized Colon Cancer

44 yr old male with newly dx clinical Stage II MSI-high colon cancer is curious to see if he can get ICI alone and avoid surgery similar to rectal cancer. He is open to close monitoring with surveillance scopes, ctDNA and scans. Any data to show patients with MSI-high colon cancer can avoid chemotherapy? Role of ctDNA?

50 y/o, T4 Nx MSI-high colon cancer. Are CPI ready for prime time for neoadjuvant therapy for MSI-high locally advanced colon cancer? Role of ctDNA?

Questions from General Medical Oncologists — Neoadjuvant Treatment for Localized Colon Cancer

24 y/o F with T3N1 distal colon adenocarcinoma, MSI-H, with plan for neoadjuvant therapy followed by surgery. What immunotherapy combination (single vs dual agent) would you recommend?

A 39 y/o male with Stage IIIA, dMMR, RAS- right sided colon cancer, and pt strongly desired neoadjuvant tx approach after being told by surgeon that neoadjuvant tx can help out with surgery later on. Should I give nivo or pembro + FOLFOX, or should I advise dual ICI like nivo + ipi as neoadjuvant tx regimen?

62 y/o female with MSI-high right-sided large colon cancer causing near obstruction. Is neoadjuvant FOLFOX/nivolumab a good option?

Questions from General Medical Oncologists — Neoadjuvant Treatment for Localized Colon Cancer

85 y/o M (ECOG 1) with DM w/neuropathy, diabetic retinopathy, HTN, CKD, and T4N0 distal colon adenocarcinoma, MSI-H, with plan for neoadjuvant therapy followed by surgery. What immunotherapy combination (single vs dual agent) would you recommend given patient's age and comorbidities?

85 yr old male with underlying controlled ulcerative colitis diagnosed with low sigmoid colon cancer and borderline surgical candidate. Would you treat a patient like this with IO with curative intent and try avoiding surgery?

Questions from General Medical Oncologists — Neoadjuvant Treatment for Localized Colon Cancer

56 yr old male with CRC, Lynch syndrome with 2 isolated liver mets. Any data for ICI such as atezo alone or with chemo prior to resection of oligo met? Any data to suggest chemo/IO is better than IO alone?

Agenda

Module 1: Neoadjuvant Treatment for Localized Colorectal Cancer (CRC) — Dr Seligmann

Module 2: Emerging Novel Approaches to Adjuvant Treatment for Localized CRC — Dr Lieu

Module 3: Role of Circulating Tumor DNA (ctDNA) Testing in Localized CRC — Dr Cohen



Cancer Center

NCI-DESIGNATED CONSORTIUM
COMPREHENSIVE CANCER CENTER

Emerging Novel Approaches to Adjuvant Treatment for Localized CRC

Christopher Lieu, MD
Director, GI Medical Oncology
Associate Director for Clinical Research
University of Colorado



Topics for Discussion

- Historical outcomes achieved with standard adjuvant chemotherapy for patients with localized CRC, including for those with MSI-H/dMMR disease
- Addition of atezolizumab to FOLFOX chemotherapy for patients with Stage III CRC and dMMR tumors
- Other ongoing trials evaluating immune checkpoint inhibitors as a component of adjuvant therapy for localized CRC



20+ FDA-Approved Regimens for Metastatic Colorectal Cancer

“Cytotoxics”

1. 5-Fluorouracil (5-FU)
2. Capecitabine
3. TAS-102
4. Irinotecan
5. Oxaliplatin

Mechanism

- > pyrimidine analog
- > oral 5-FU pro-drug
- > 5-FU drug with metabolism inhibitor
- > topoisomerase I inhibitor
- > third-generation platinum

“Biologics/Targeted”

1. Cetuximab
2. Panitumumab
3. Bevacizumab
4. Ziv-aflibercept
5. Ramucirumab
6. Ipilimumab
- 7/8. Regorafenib/fruitquintinib
- 9/10/11. Pembrolizumab/nivolumab/dostarlimab
12. Encorafenib + cetuximab
13. Tucatinib + trastuzumab
14. Trastuzumab deruxtecan
15. Adagrasib + cetuximab
16. Sotorasib + cetuximab

Mechanism

- > antibody against EGFR
- > antibody against EGFR
- > antibody against VEGF
- > VEGF trap
- > antibody against VEGFR2
- > antibody against CTLA-4 (MSI-high only)
- > multi-tyrosine kinase inhibitors
- > antibody against PD-1 (MSI-high only)
- > tyrosine kinase inhibitor against BRAF V600E
- > HER2 tyrosine kinase inhibitor and antibody
- > HER2 antibody-drug conjugate
- > KRAS G12C inhibitor
- > KRAS G12C inhibitor



Only 3 FDA-Approved Drugs for Adjuvant Colorectal Cancer

“Cytotoxics”

1. 5-Fluorouracil (5-FU) -> pyrimidine analog
 2. capecitabine -> oral 5-FU pro-drug
 3. TAS-102 -> 5-FU drug with metabolism inhibitor
 4. irinotecan -> topoisomerase I inhibitor
 5. oxaliplatin -> 3rd generation platinum
-

“Biologics/Targeted”

- | | <u>Mechanism</u> |
|------------------------------|---|
| 1. cetuximab | -> antibody against EGFR |
| 2. panitumumab | -> antibody against EGFR |
| 3. bevacizumab | -> antibody against VEGF |
| 4. ziv-aflibercept | -> VEGF trap |
| 5. ramucirumab | -> antibody against VEGFR2 |
| 6. regorafenib | -> multi-tyrosine kinase inhibitor |
| 7. ramucirumab | -> antibody against VEGFR2 |
| 8/9. pembrolizumab/nivolumab | -> antibody against PD-1 (MSI high only) |
| 10. ipilimumab | -> antibody against CTLA-4 (MSI high only) |
| 11. encorafenib + cetuximab | -> tyrosine kinase inhibitor against BRAF V600E |

Adjuvant Therapy for Resected Primary

“MOSAIC” Trial

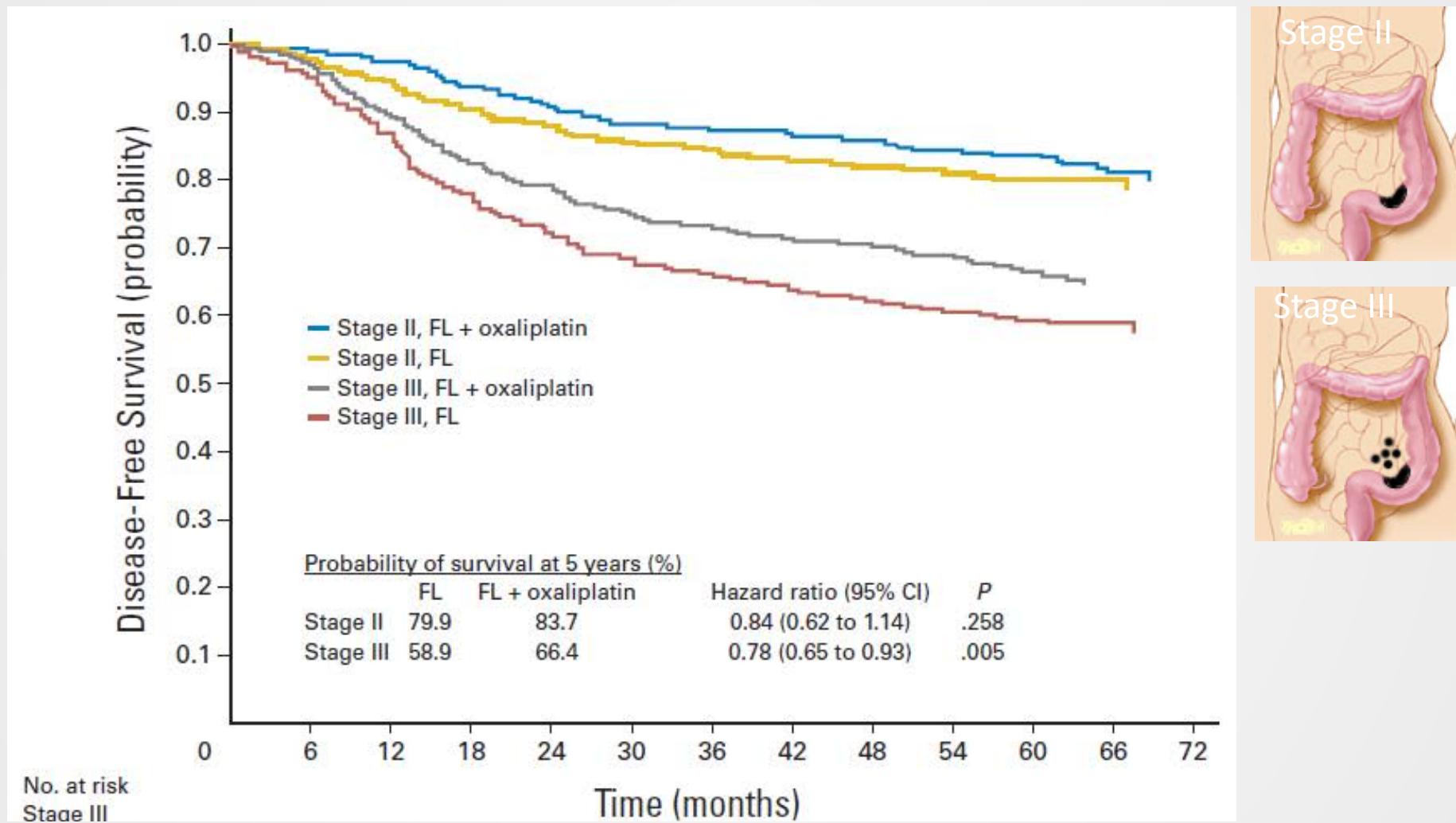
n = 2,246
Stage II/III colon CA
Primary endpoint:
3-yr disease free
survival (DFS)

“LV5FU2” x 12
(infusional 5-FU/LV)

“FOLFOX4” x 12
(infusional 5-FU/LV
with oxaliplatin)



MOSAIC Trial: Disease-Free Survival



MOSAIC: Stage III Adjuvant FOLFOX

- Study presented with > 5 years follow-up
- 6.6% DFS benefit maintained HR = 0.8, p = 0.003

Overall Survival 6 years	5-FU	FOLFOX	p
Overall	76%	78.6%	0.057
Stage II	86.8%	86.9%	0.996
Stage III	68.6%	73%	0.029

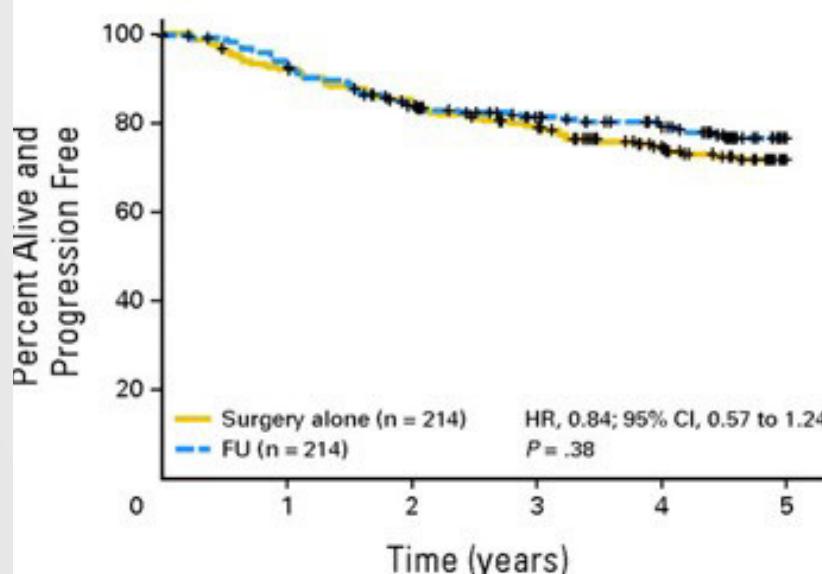
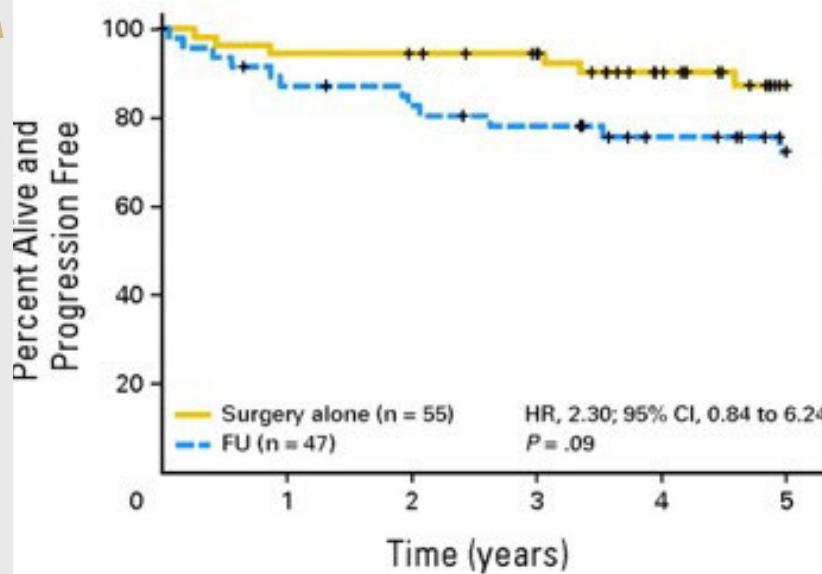
4.4% OS
benefit in
stage III

MSI-H in Colon Cancer: Prevalence and Prognosis

Stage	Prevalence	Prognosis Compared to MSS
II	15%-20%	excellent
III	8%-10%	same
IV	4%-5%	same or worse

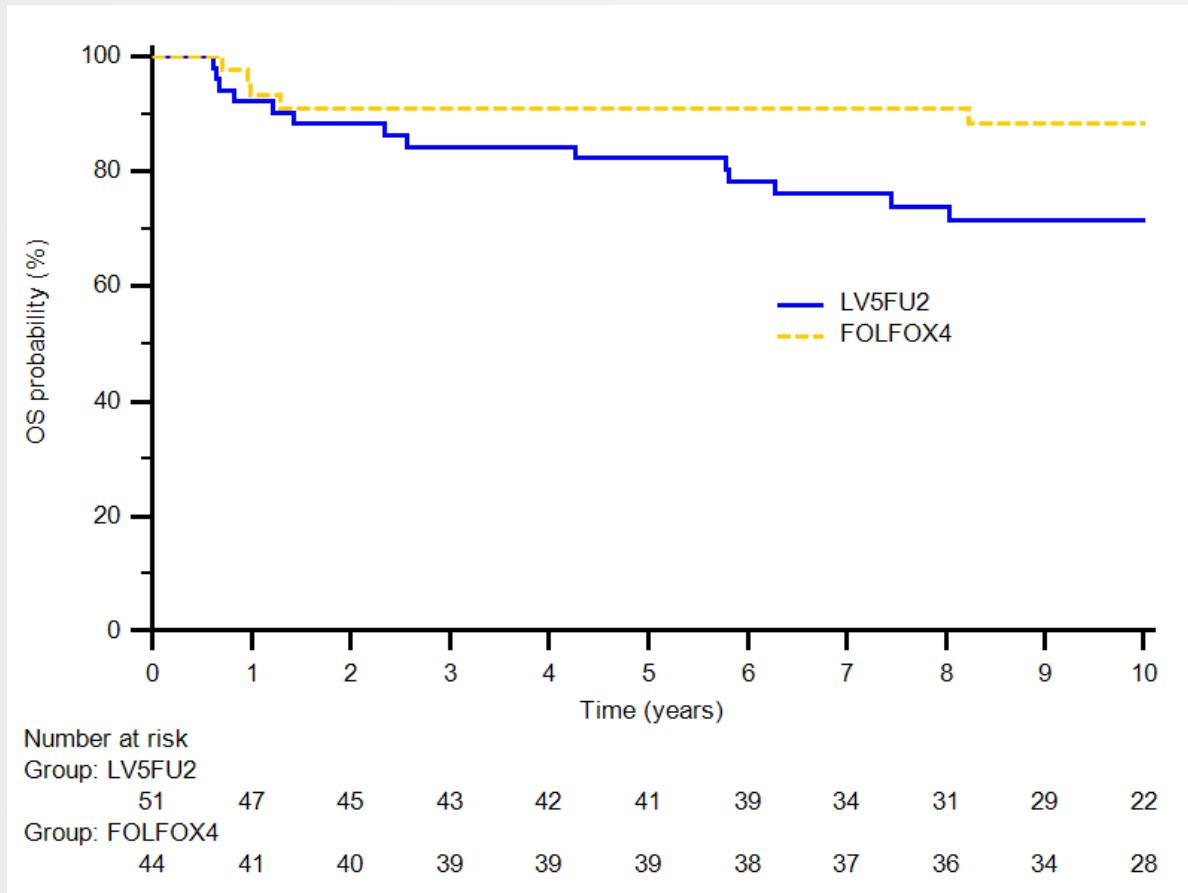
- Hypermutated cancers too “deranged” to metastasize
- Immune system can prevent spread
- But once a metastatic clone has been selected, same or worse prognosis than microsatellite stable CRC

MSI-H (dMMR) and 5-FU in stage II colon cancer



- ▶ Disease-free survival in patients with stage II disease and defective DNA mismatch repair (dMMR)
 - **Patients did worse with chemo!**
- ▶ Disease-free survival in patients with stage II disease and proficient mismatch repair (pMMR)
 - **No identifiable benefit with chemo and stage II disease**

What about dMMR and FOLFOX for stage III CRC?



Although $n < 100$, data appear reassuring that patients with dMMR/MSI-H stage III derive the same benefit from the addition of oxaliplatin ($HR=0.42$, $p=.06$)

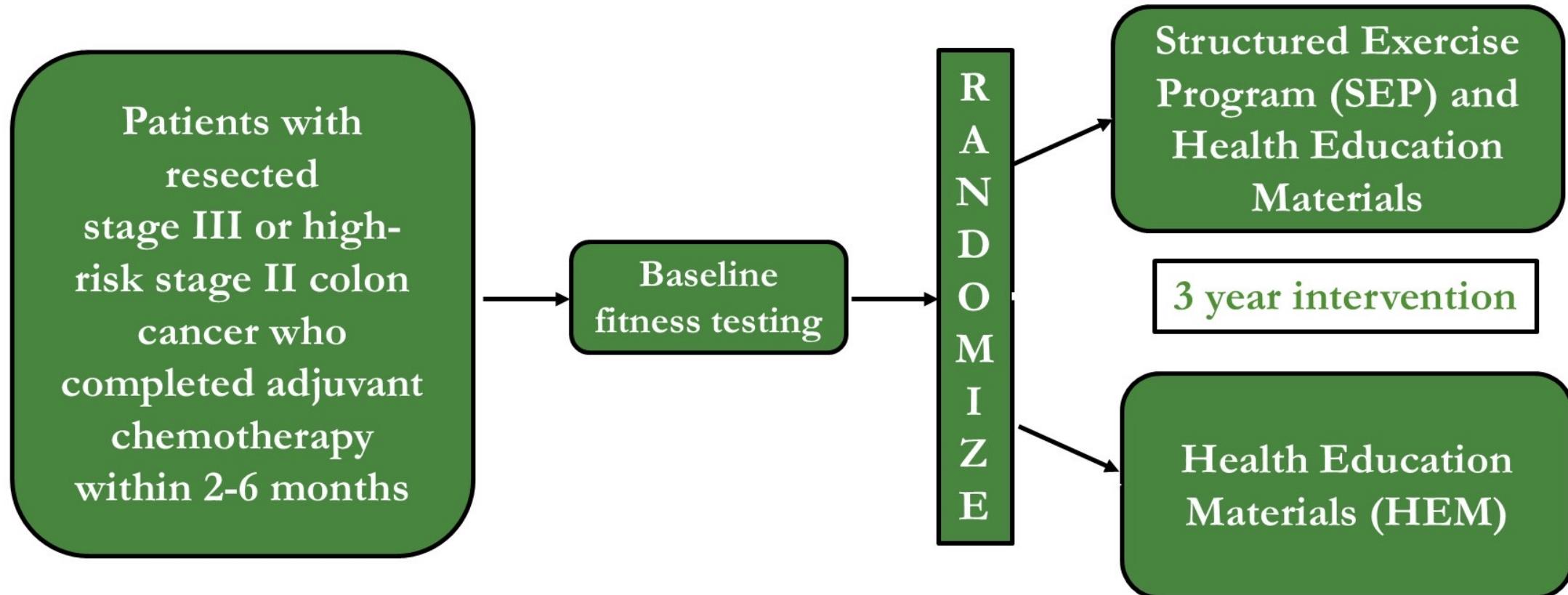
Endpoint	LV5FU2	FOLFOX	HR	[95% CI]	P value
5-yr OS, % (sd)	82.3 (5.3)	90.9 (4.3)	0.42	0.18-0.98	0.060

What's New in Adjuvant Colon Cancer?

Exercise and Aspirin

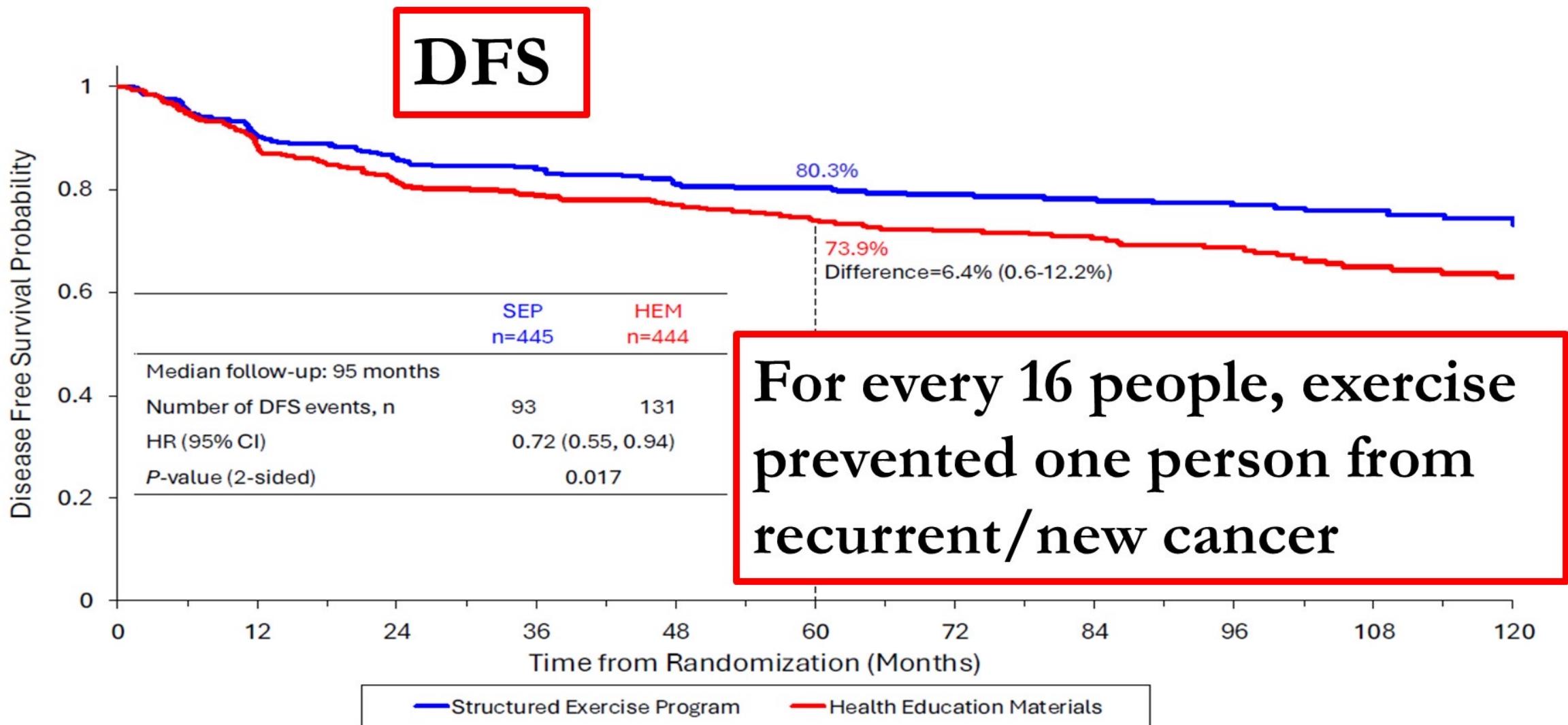
Making something old – new again!

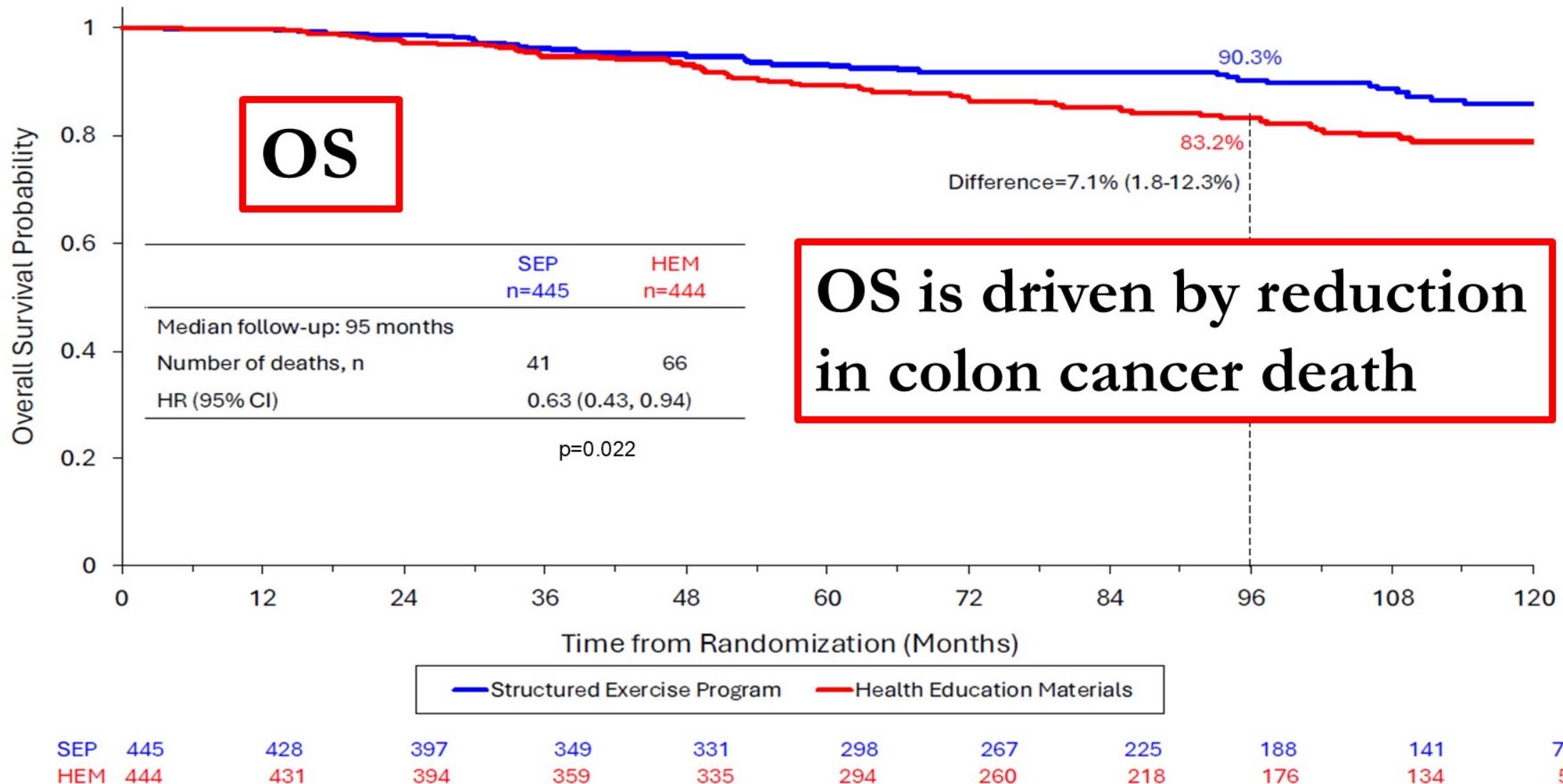
CO21 Study Schema



What is a MET?

- CO.21 target was to increase physical activity by 10 MET/hrs/week above baseline
- 1 MET = unit of energy expended by sitting for one hour
- 1 hour of brisk walking = 4 MET-hours
- Physical Activity Consultants worked with patients to create an “exercise prescription” based on their preferred activities/lifestyle
- Most patients could hit their target by adding 45-60 min brisk walk 3-4 times per week





Putting CO.21 Effect Size in Context

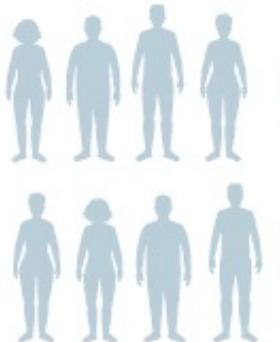
Intervention	Disease	Absolute OS Gain
Adjuvant Exercise	Colon	7% at 8 years
Adjuvant Oxaliplatin	Colon	5% at 10 years
Adjuvant Osimertinib	NSCLC	8% at 5 years
Consolidation Durvalumab	NSCLC	10% at 5 years
Adjuvant Trastuzumab	Breast	5% at 5 years
Peri-op Pembrolizumab	TNBC	5% at 5 years
Adjuvant Pertuzumab	Breast	1.8% at 10 years

Aspirin and Colon Cancer Recurrence

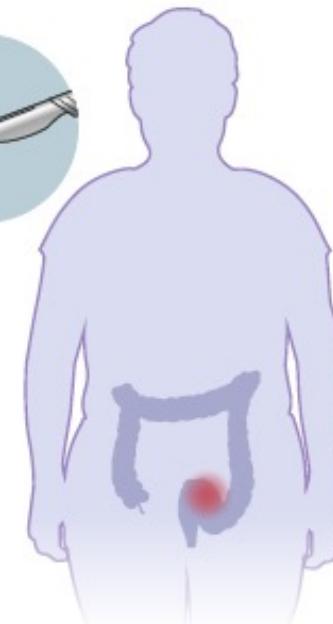
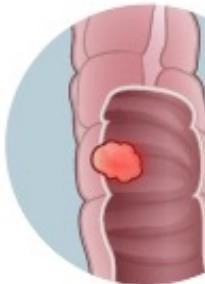
ALASSCA Study

Patients

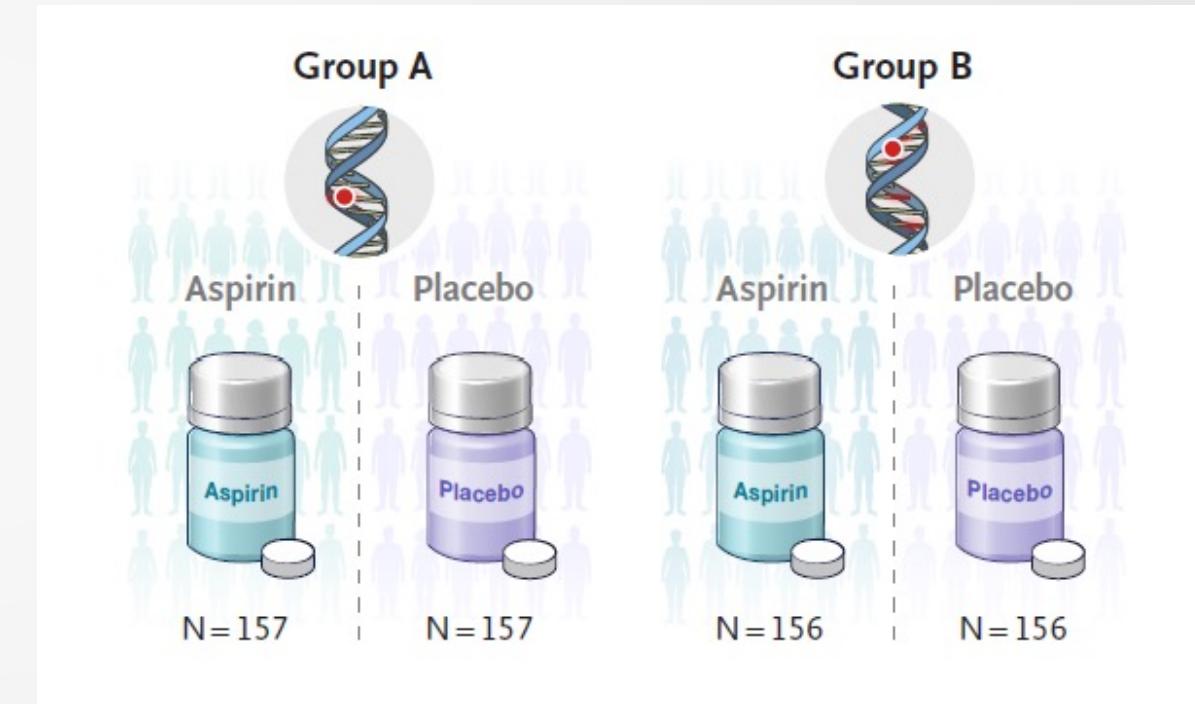
- 626 adults
- Median age, 66 years
- Women: 52%; Men: 48%



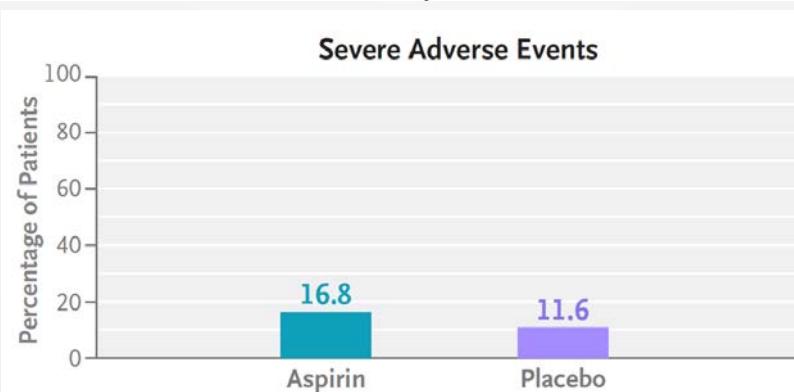
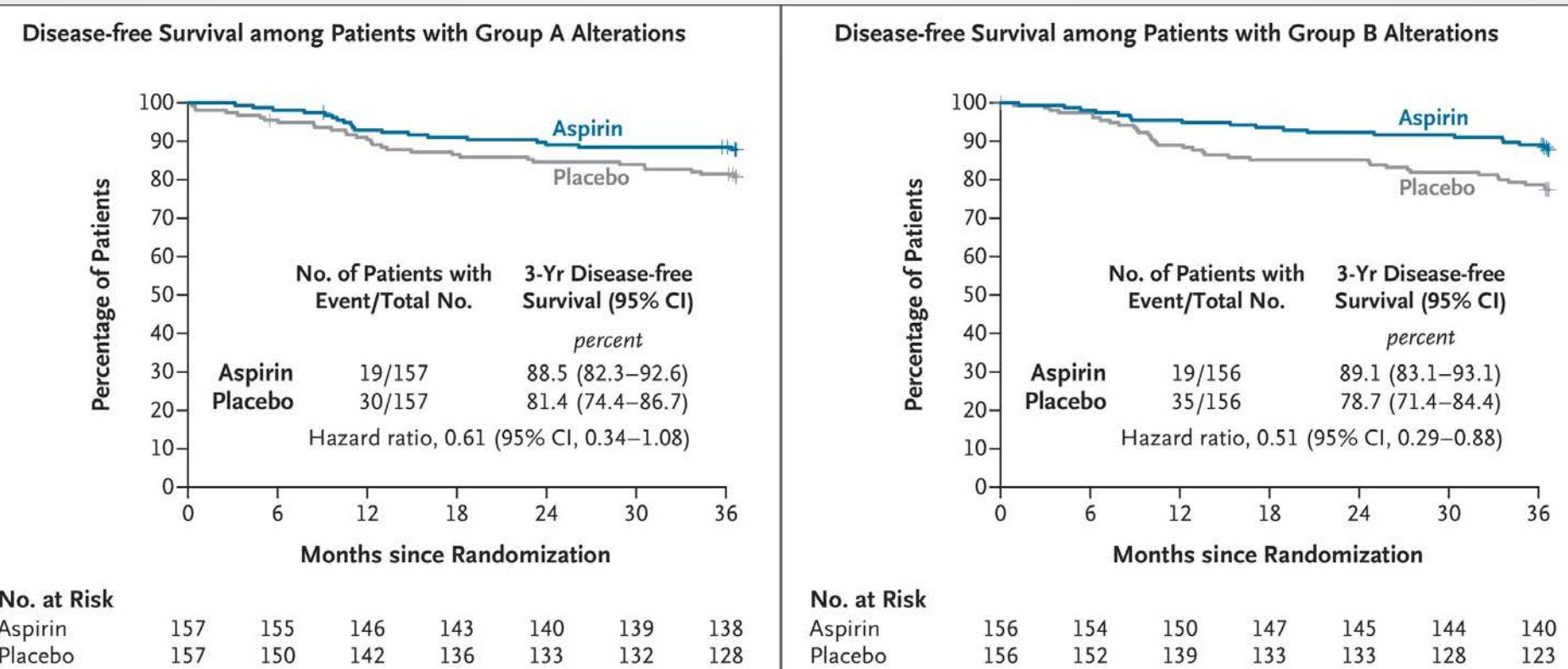
Group A
PIK3CA hotspot mutations



Group B
Other somatic variants in
PIK3CA, PIK3R1, or PTEN



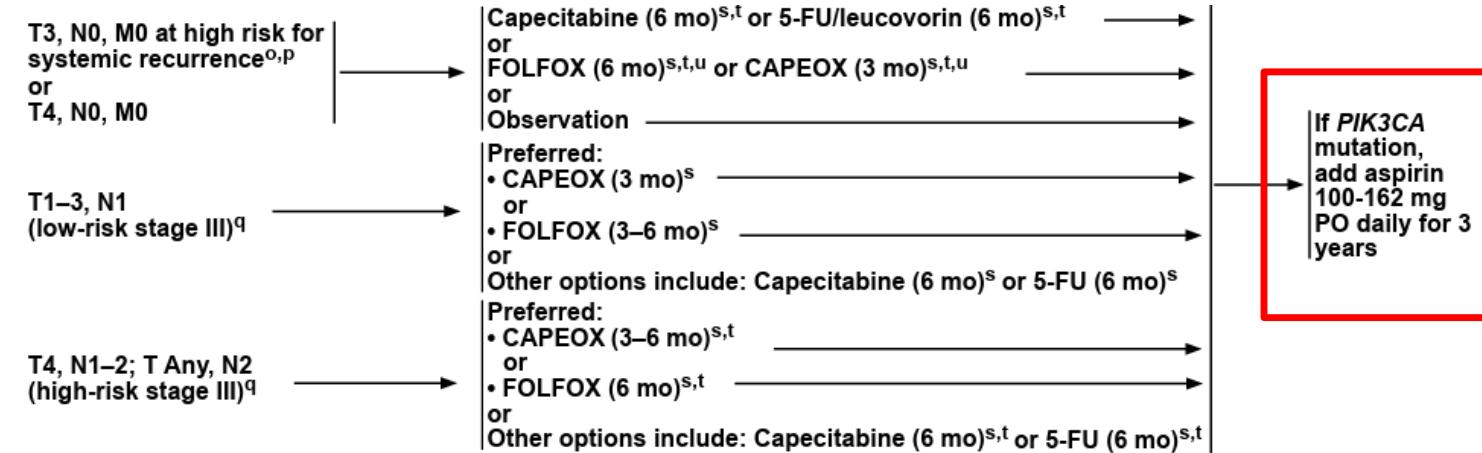
ALASSCA Study



Take Home Points:

Exercise!

Aspirin should be given to patients with a PIK3CA mutation



QUESTIONS:

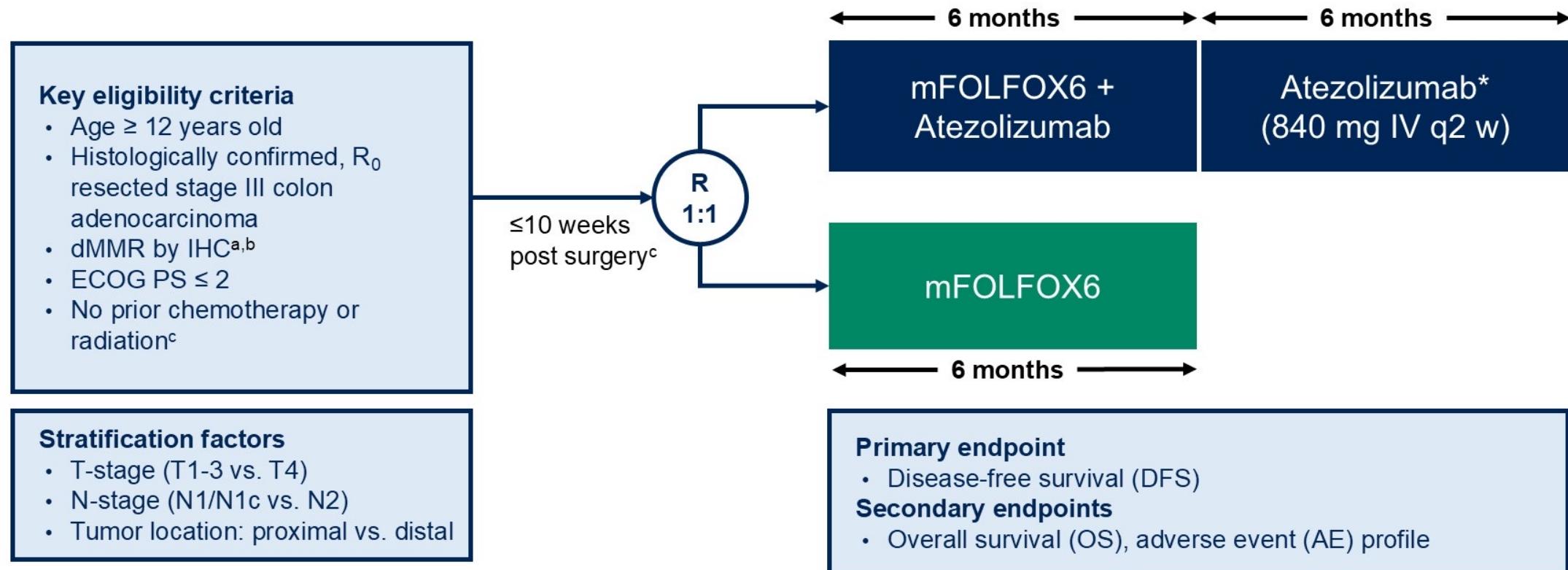
- Should we be hiring more personal trainers and giving less oxaliplatin?
- How many providers are testing for PIK3CA in early-stage CRC?
- What is the optimal dose and duration of aspirin?



What's New in Adjuvant Colon Cancer?

Adjuvant Atezolizumab for dMMR/MSI-H

ATOMIC: addition of atezolizumab to standard chemotherapy for dMMR/MSI-H colon cancer



^a dMMR by immunohistochemistry (IHC) locally or at site-selected reference laboratory. Retrospective central confirmation of dMMR also performed.

^b Lynch syndrome included.

^c One cycle of mFOLFOX6 prior to randomization permitted.

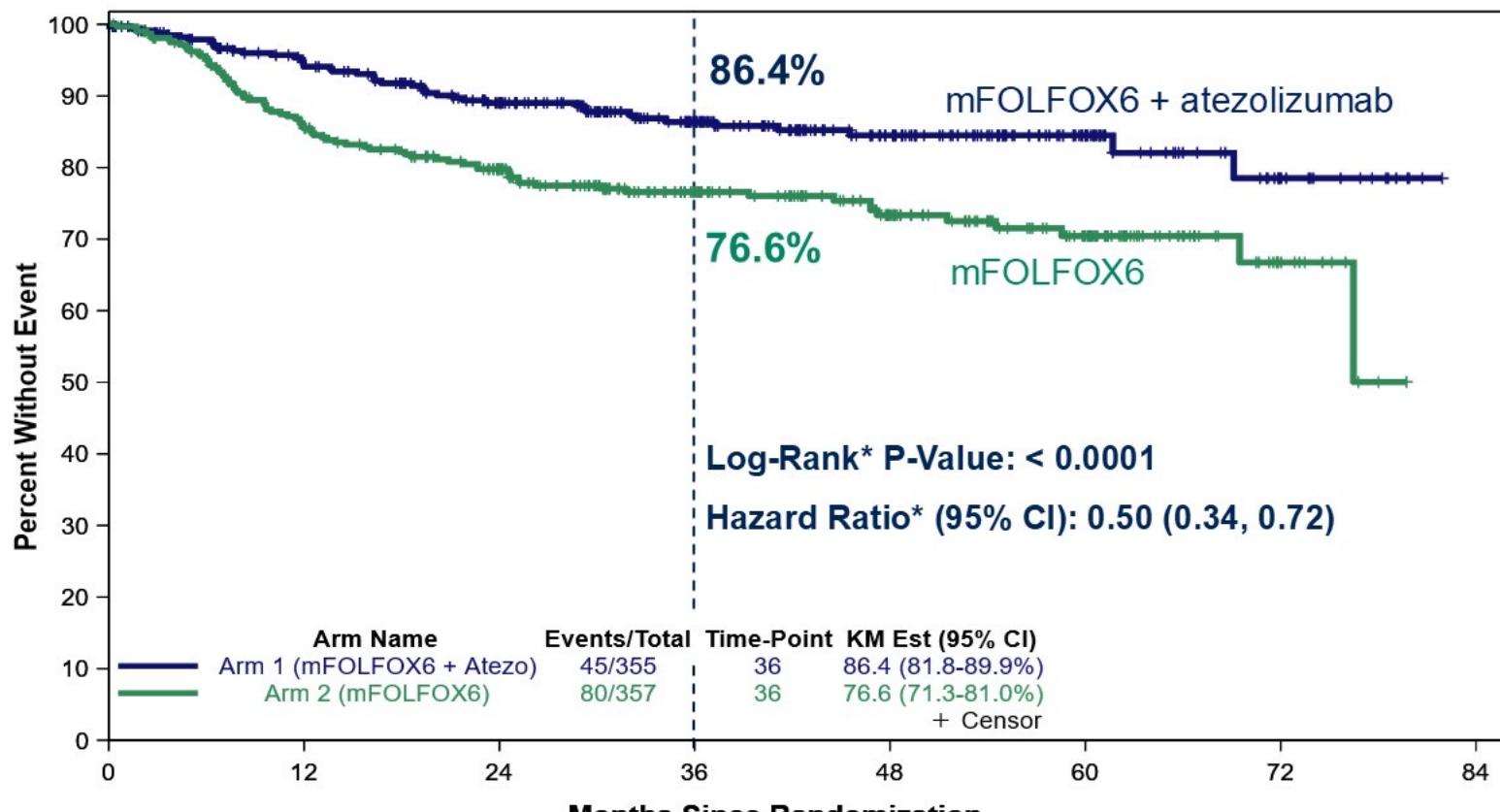
*Atezolizumab (anti-PD-L1)

Baseline Characteristics

	mFOLFOX6 + Atezo (N=355)	mFOLFOX6 (N=357)		mFOLFOX6 + Atezo (N=355)	mFOLFOX6 (N=357)
Age (years)			T-Stage, n (%)		
Median	65	63	Tx	0	1 (0.3%)
Q1, Q3	51.0, 73.0	48.0, 73.0	T1	11 (3.1%)	4 (1.1%)
Sex, n (%)			T2	30 (8.5%)	22 (6.2%)
Female	186 (52.4%)	206 (57.7%)	T3	202 (56.9%)	216 (60.5%)
Male	169 (47.6%)	151 (42.3%)	T4	112 (31.5%)	114 (31.9%)
Race, n (%)			N-Stage, n (%)		
White	302 (85.1%)	305 (85.4%)	N1/N1c	226 (63.7%)	225 (63.0%)
Black	28 (7.9%)	22 (6.2%)	N2	129 (36.3%)	132 (37.0%)
Other	25 (6.0%)	30 (8.4%)	Risk Group, n (%)		
Primary Tumor Site, n (%)			Low (Tx-T3 and N1/N1c)	164 (46.2%)	164 (45.9%)
Proximal	301 (84.8%)	296 (82.9%)	High (T4 and/or N2)	191 (53.8%)	193 (54.1%)
Distal	53 (14.9%)	57 (16.0%)	ECOG, n (%)		
Multiple	1 (0.3%)	4 (1.1%)	0	238 (67.0%)	225 (63.0%)
			1	111 (31.3%)	127 (35.6%)
			2	6 (1.7%)	5 (1.4%)

Baseline patient characteristics were well balanced between study arms

Primary Endpoint: DFS

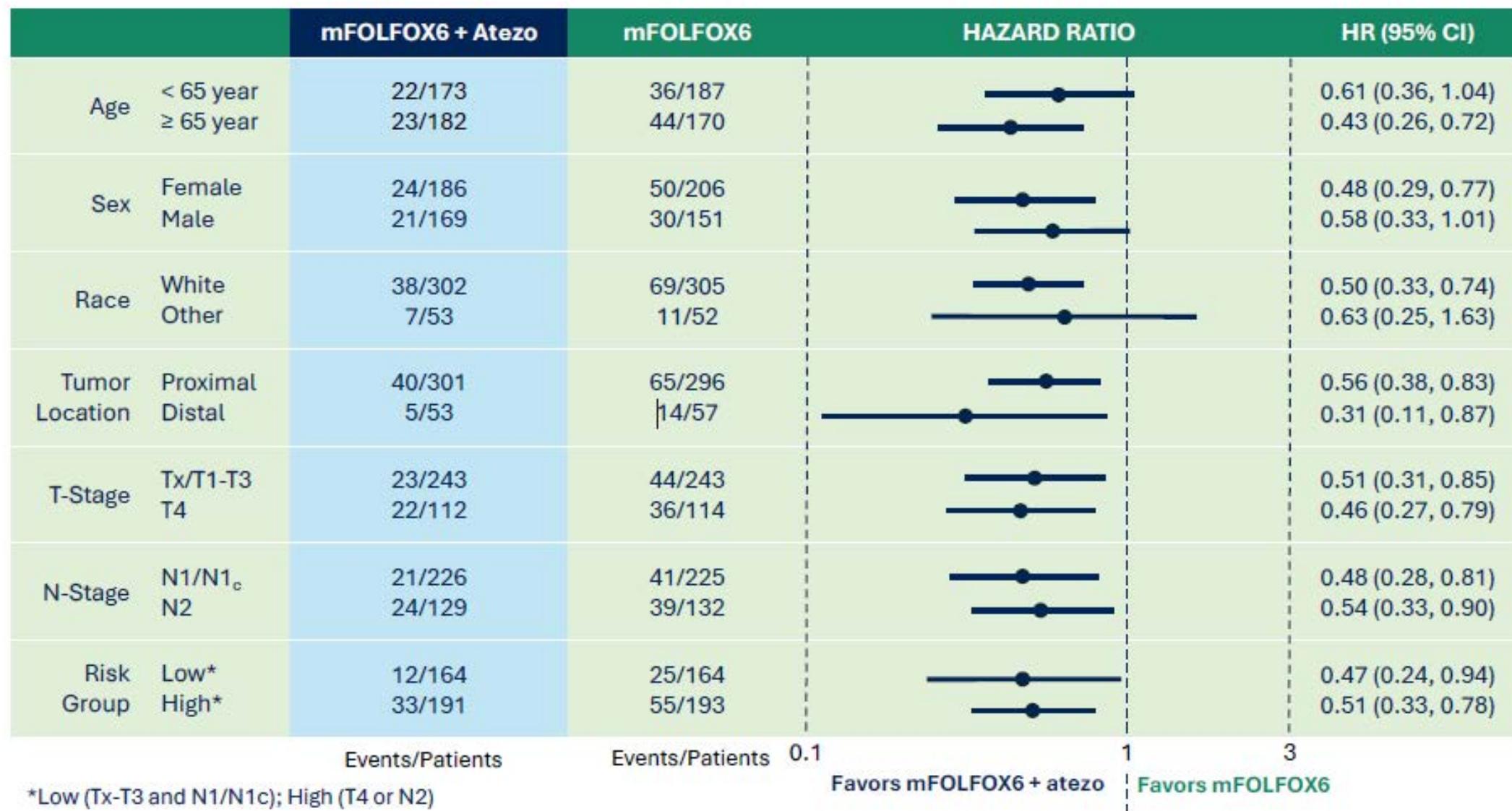


Confirmed dMMR by central reference laboratory: Log-Rank P-Value: 0.0007, Hazard Ratio (95% CI): 0.53 (0.36, 0.79)

*Stratified by randomization factors

Median follow-up = 37.2 mos

DFS by Subgroups



Safety Summary

Characteristics	mFOLFOX6 + Atezo (N=346) [#]	mFOLFOX6 (N=334) [#]
Any Grade AE, % (n) Treatment-related	100% (346) 99.7% (345)	95.1% (329) 94.2% (326)
Grade 3-4 AE, % (n) Treatment-related	83.8% (290) 72.3% (250)	69.1% (239) 59.2% (205)
Grade 5 AE, % (n) Treatment-related	1.7% (6) 0.6% (2)*	0.6% (2) 0.0% (0)

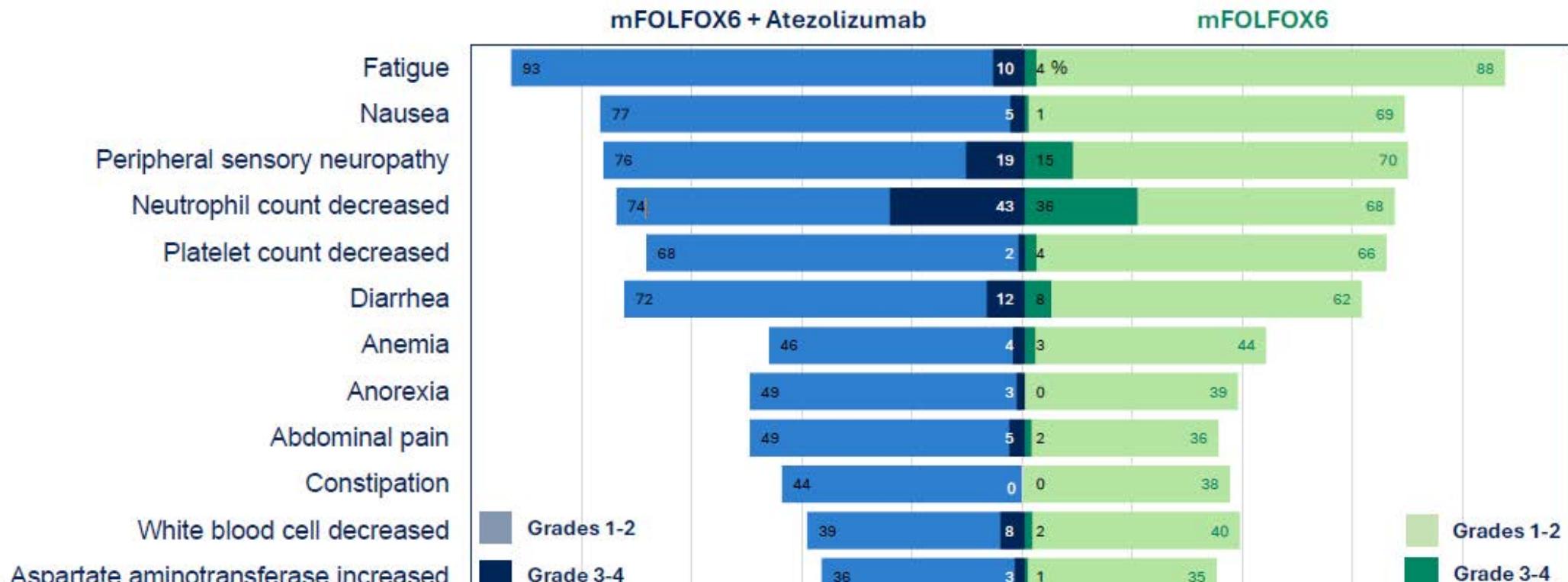
Investigator attribution of treatment-related adverse events (AE)

[#] Received at least one dose of treatment

*1 sudden death NOS (possibly related); 1 sepsis (possibly related)

Patient Safety

AEs Occurring in > 35% of Evaluable* Patients



* Evaluable patients: received at least 1 treatment dose

Neutrophil count decrease

Grade 3, n (%)	100 (28.9%)	97 (29.0%)
Grade 4, n (%)	49 (14.2%)	23 (6.9%)

Immune-Related AEs

No clinically significant differences in grade 3-4 immune-related AEs

		mFOLFOX6 + Atezo (N=346, %) [#]		mFOLFOX6 (N=334, %) [#]	
		Grades 1-2	Grades 3-4	Grades 1-2	Grades 3-4
Endocrinopathies	Adrenal insufficiency	0.3	0.9	0	0
	Hyperglycemia	17.9	2.6	9.0	1.2
	Hypothyroidism	20.5	0	3.6	0
Colitis	Colitis	5.5	1.2	0.6	0
	Diarrhea	60.1	12.1	53.3	8.4
Myositis	Generalized muscle weakness	7.8	0.9	3.3	0
Dermatitis	Rash maculo-papular	13.3	0.9	6.0	0

Grade 3-4

Hepatitis, n (%)		
ALT or AST increase	5.2%	1.8%
Alk phos or bilirubin increase	1.8%	0%
Pneumonitis, n (%)	2%	0.9%

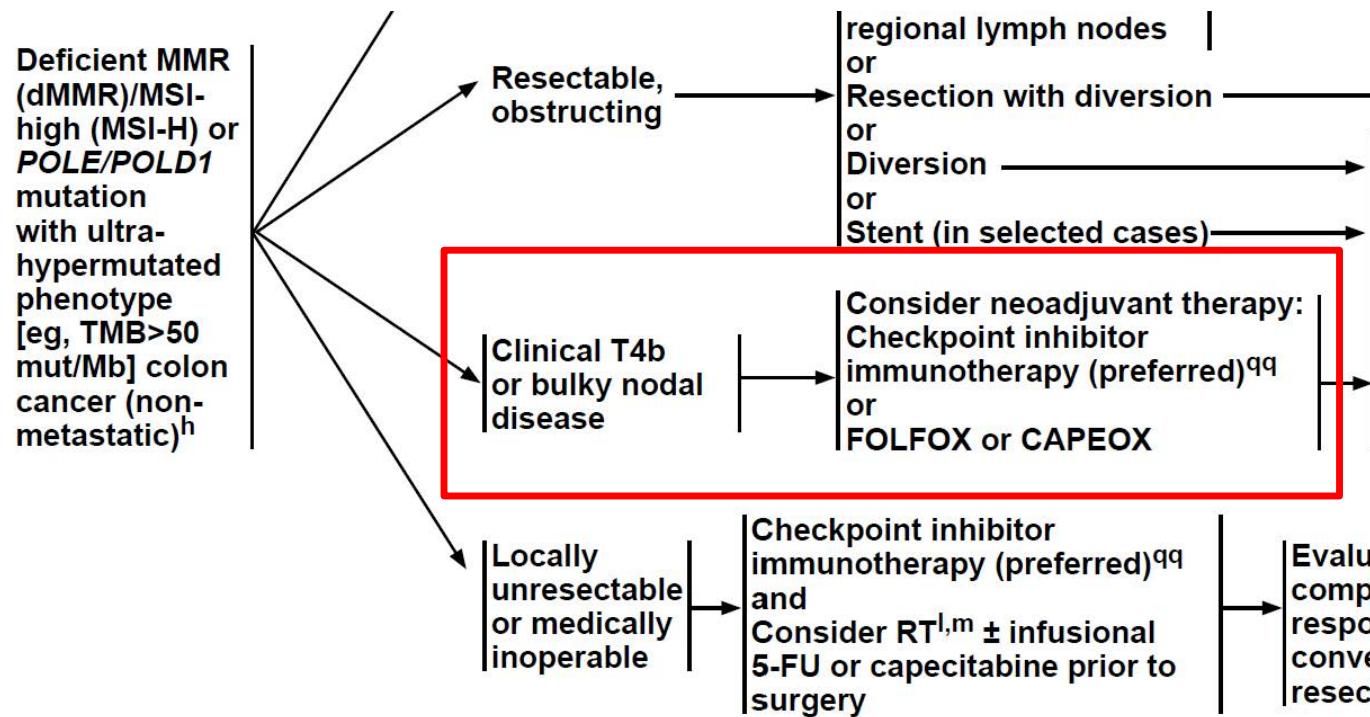
[#]Received at least one dose of treatment

AST: Aspartate aminotransferase; ALT: Alanine aminotransferase; Alk phos: Alkaline phosphatase

Take Home Points:

Neoadjuvant immune checkpoint inhibition should be considered for high-risk disease (T4b/bulky nodal disease) colon cancer

FOLFOX/atezolizumab is the new standard in patients not receiving neoadjuvant therapy



QUESTIONS:

- Should we consider non-operative management for MSI-H/dMMR colon cancer?
- Are serial colonoscopies better or worse than a hemicolectomy?
- What is the best duration of immunotherapy after resection?
- Is there a role for immunotherapy in pMMR/MSS colon cancer?



What's New in Adjuvant Colon Cancer?

Ongoing immunotherapy trials

AZUR-4: randomized study of neoadjuvant dostarlimab plus CAPEOX vs CAPEOX in untreated T4N0 or stage III in pMMR/MSS colon cancer



Primary Endpoints:

- Major pathological response ($\leq 10\%$ residual viable tumor)
- Safety

Secondary Endpoints:

- Primary tumor resection exclusion
- Pathological response

A Phase II Clinical Trial Comparing the Efficacy of RO7198457 Versus Watchful Waiting in Patients With ctDNA-positive, Resected Stage II (High Risk) and Stage III Colorectal Cancer

RO7198457 (BNT122) = *Personalized mRNA Cancer Vaccine*

Key Eligibility Criteria:

- Stage II/Stage III rectal cancer or Stage II (high risk)/Stage III colon cancer
- Patients must have detectable ctDNA prior to start of adjuvant chemotherapy

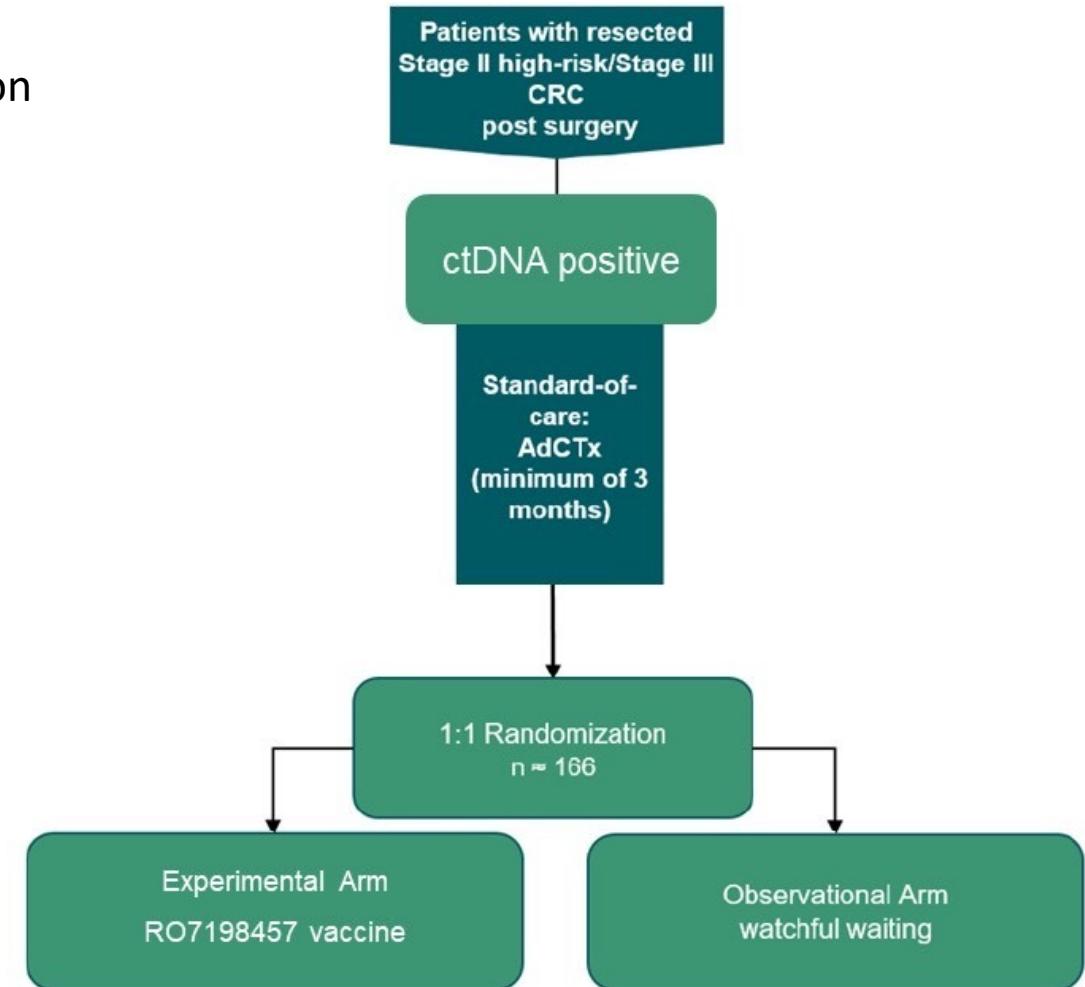
Primary Endpoint: Disease Free Survival

Estimated enrollment = 327



CRCMRD.COM

https://crcmrd.com/?avada_portfolio=biontech



Questions from General Medical Oncologists — Adjuvant Treatment for Localized CRC

58-year-old male. Resected colon adenocarcinoma, Stage IIIA. MSI-H, BRAFV600E. Type 2 DM, peripheral neuropathy. Given CAPEOX and atezo. Which clinicopathologic features (ex: T stage, nodal burden, LVI, BRAF status) most strongly influence your recommendation for adjuvant treatment in MSI-high disease?

66 y/o M with Stage IIIb colon ca, MSI-high, ctDNA negative. What is the optimal adjuvant chemo? FOLFOX + nivolumab? Role of ctDNA?

Questions from General Medical Oncologists — Adjuvant Treatment for Localized CRC

71 yr old female with uncontrolled diabetes mellitus and grade 2 neuropathy at baseline has Stage III sigmoid cancer with 6 positive nodes. Tumor is MSI-H. One month post-op ctDNA is negative. Are there any situations where you would completely skip adjuvant chemotherapy and give only immunotherapy? If ctDNA is positive in this patient but tumor is MSI-high, would you still feel comfortable in proceeding with immunotherapy only?

Questions from General Medical Oncologists — Adjuvant Treatment for Localized CRC

82 y/o with DM, CAD, asthma with Stage III MSI-H colon cancer. Post op ctDNA negative. I do not offer patients with Stage III MSI-H colon cancer adjuvant therapy if ctDNA is negative, especially if older than 70. I do not think it is beneficial. I wait for them to have metastatic disease and treat with ICI. Curiously, in the 6 years since I've been doing this, none has had disease progression. Is this a reasonable practice?

Questions from General Medical Oncologists — Adjuvant Treatment for Localized CRC

Has any other ICI other than atezo been studied in combination with chemotherapy in colon cancer in adjuvant setting?

Management of 55 yo man with POLE mutation and oligometastatic disease to the lung, s/p resection? Management of localized and metastatic POLE mutant disease?

Questions from General Medical Oncologists — Adjuvant Treatment for Localized CRC

92 yr old female with Stage IIIC colon cancer status post surgery with 15 positive LN and positive ctDNA. Would you treat with single agent IO due to advanced age and if so for how long?

83 yo female stage 3 MSI-high CRC. Would you offer CPI to an 83-year-old?

Questions from General Medical Oncologists — Adjuvant Treatment for Localized CRC

55 yr old male with end stage renal disease in dialysis diagnosed with Stage IIIb colon cancer and baseline grade 2 peripheral neuropathy. Would you treat this patient with 5-FU and IO without oxaliplatin?

77 y/o with COPD, oxygen-dependent, diagnosed with Stage III colon cancer, post-op ctDNA negative. Is there a rationale for treating MSI-H colon cancer with adjuvant fluoropyrimidines (since it is inherently resistant)?

Questions from General Medical Oncologists — Adjuvant Treatment for Localized CRC

37 yr old male with newly diagnosed Stage III colon cancer, wants to be aggressive with treatment and is interested in considering immunotherapy. He asks if we can skip chemotherapy if his ctDNA remains negative. He does want benefit of immunotherapy maintenance. Based on the ATOMIC trial, for a young patient who wants to be aggressive would you give atezo with chemo? If ctDNA remains negative in the post op period at 1 mo and 3 mo, would you skip additional chemotherapy and continue only with immunotherapy?

Questions from General Medical Oncologists — Adjuvant Treatment for Localized CRC

Age/Sex: 62/M Diagnosis/stage: Colon adenocarcinoma, Stage III (pT3N2a), dMMR/MSI-H, BRAF WT. Comorbidities: Rheumatoid arthritis on low-dose prednisone + methotrexate (immune-toxicity risk), obesity. Post-op discussion: standard FOLFOX/CAPOX recommended; patient is very hesitant about neuropathy and asks about “immunotherapy instead.” For MSI-H Stage III, what is the current best practice: standard adjuvant oxaliplatin-based chemo, clinical trials of PD-1, or ctDNA-guided escalation/de-escalation — how do you counsel?

Questions from General Medical Oncologists — Adjuvant Treatment for Localized CRC

53 yr old man with Stage II T4N0, contemplating adjuvant therapy. Any role for IO therapy in Stage II high-risk? ctDNA role here?

A 43 y/o female with Stage IIc, dMMR and positive liquid Bx, ctDNA+ after surgery; pt desired no chemo regimen be given adjuvantly. In this unique case, can I give nivo or pembro alone as adjuvant tx regimen? If so, for how long?

I have a 51 yo man with comorbidities of HTN and Stage IIA MSI-H colon cancer, s/p hemicolectomy, ctDNA negative. Would you offer adjuvant immunotherapy?

Questions from General Medical Oncologists — Adjuvant Treatment for Localized CRC

72 yo F, resected colon adenocarcinoma Stage II (T4aN0). MSI-H, BRAF wt, CAD. CKD stage 3. Observation. If adjuvant chemotherapy is chosen, do you modify regimen selection or duration (ex: 3 vs 6 months) specifically for MSI-high tumors?

56 yo F with right side pT4N0 colon cancer, MSI-high, ctDNA positive. What would be a good adjuvant regimen? Adjuvant therapy is usually not indicated for right-sided MSI-high Stage II colon cancer, but pT4 carries higher risks of occult peritoneal disease, and ctDNA is positive.

Agenda

Module 1: Neoadjuvant Treatment for Localized Colorectal Cancer (CRC) — Dr Seligmann

Module 2: Emerging Novel Approaches to Adjuvant Treatment for Localized CRC — Dr Lieu

Module 3: Role of Circulating Tumor DNA (ctDNA) Testing in Localized CRC — Dr Cohen

MODULE 3:

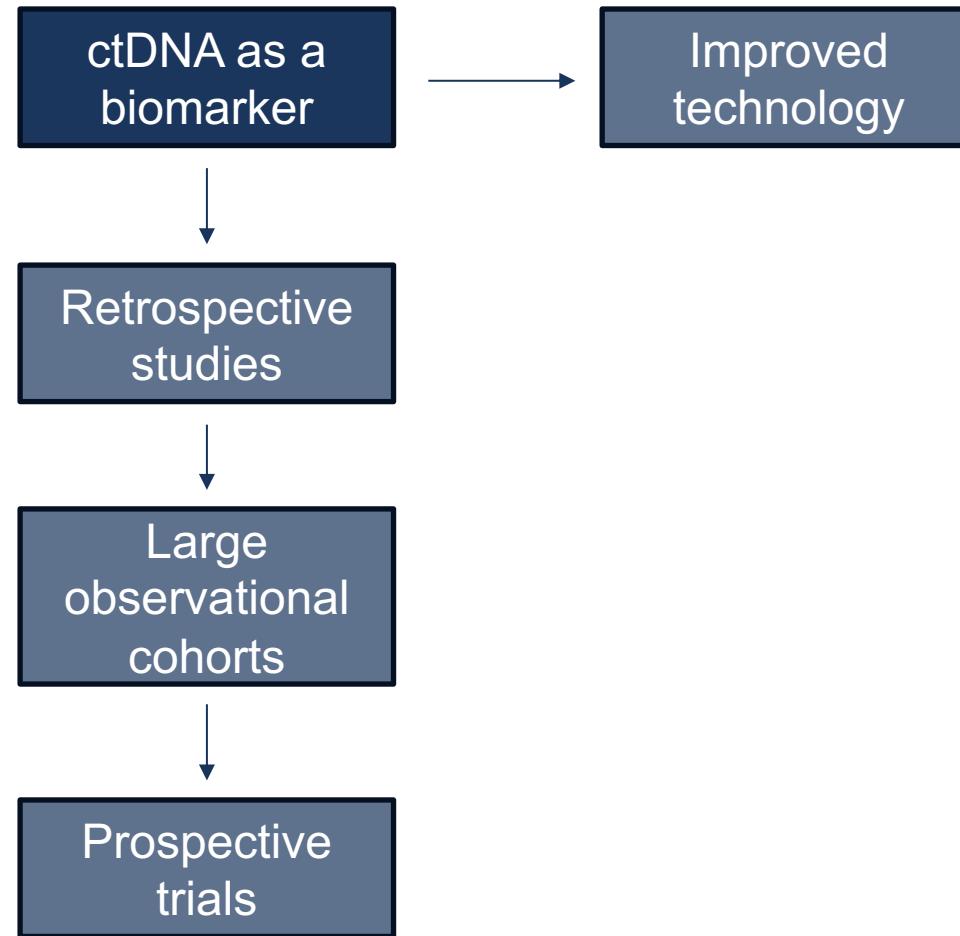
Role of Circulating Tumor DNA (ctDNA) Testing in Localized CRC

Stacey A. Cohen, MD
Professor, Fred Hutchinson Cancer Center &
University of Washington



UW Medicine

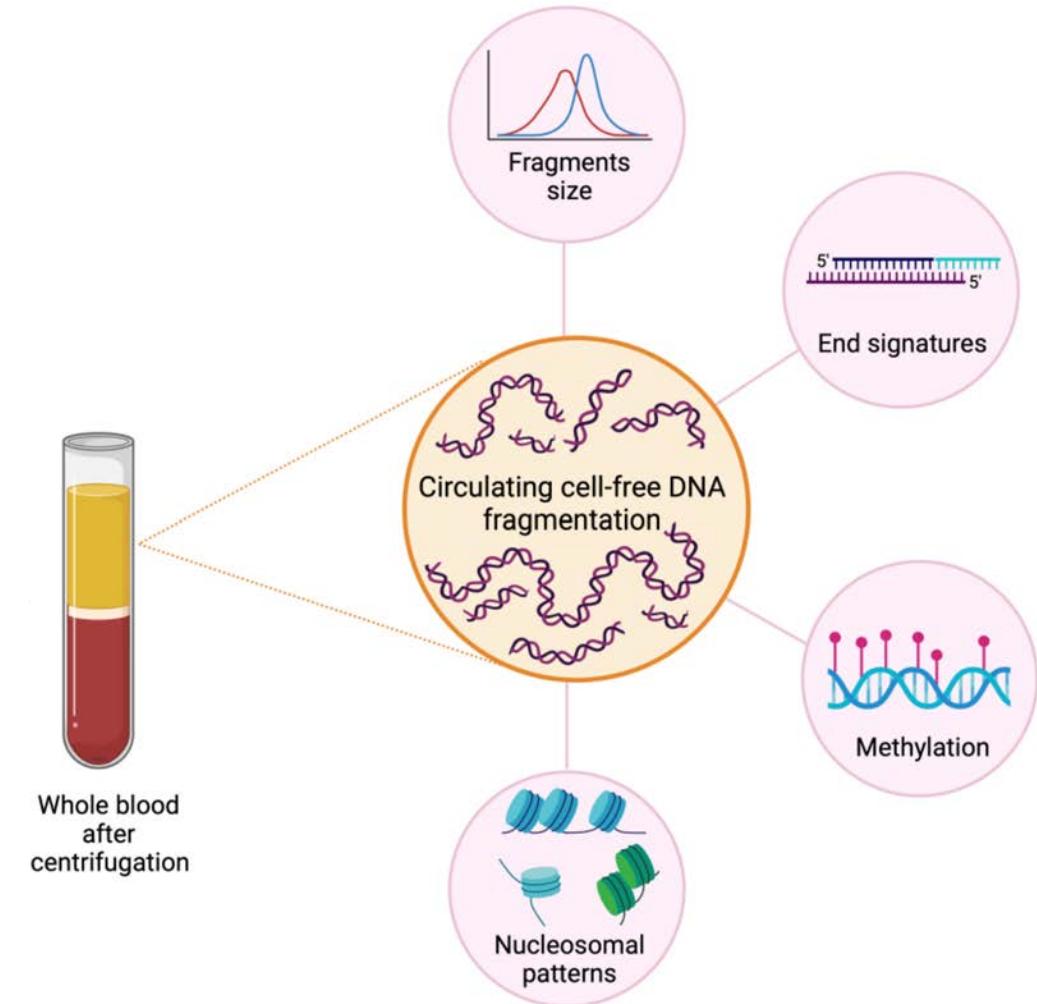
State of the data on ctDNA in colorectal cancer



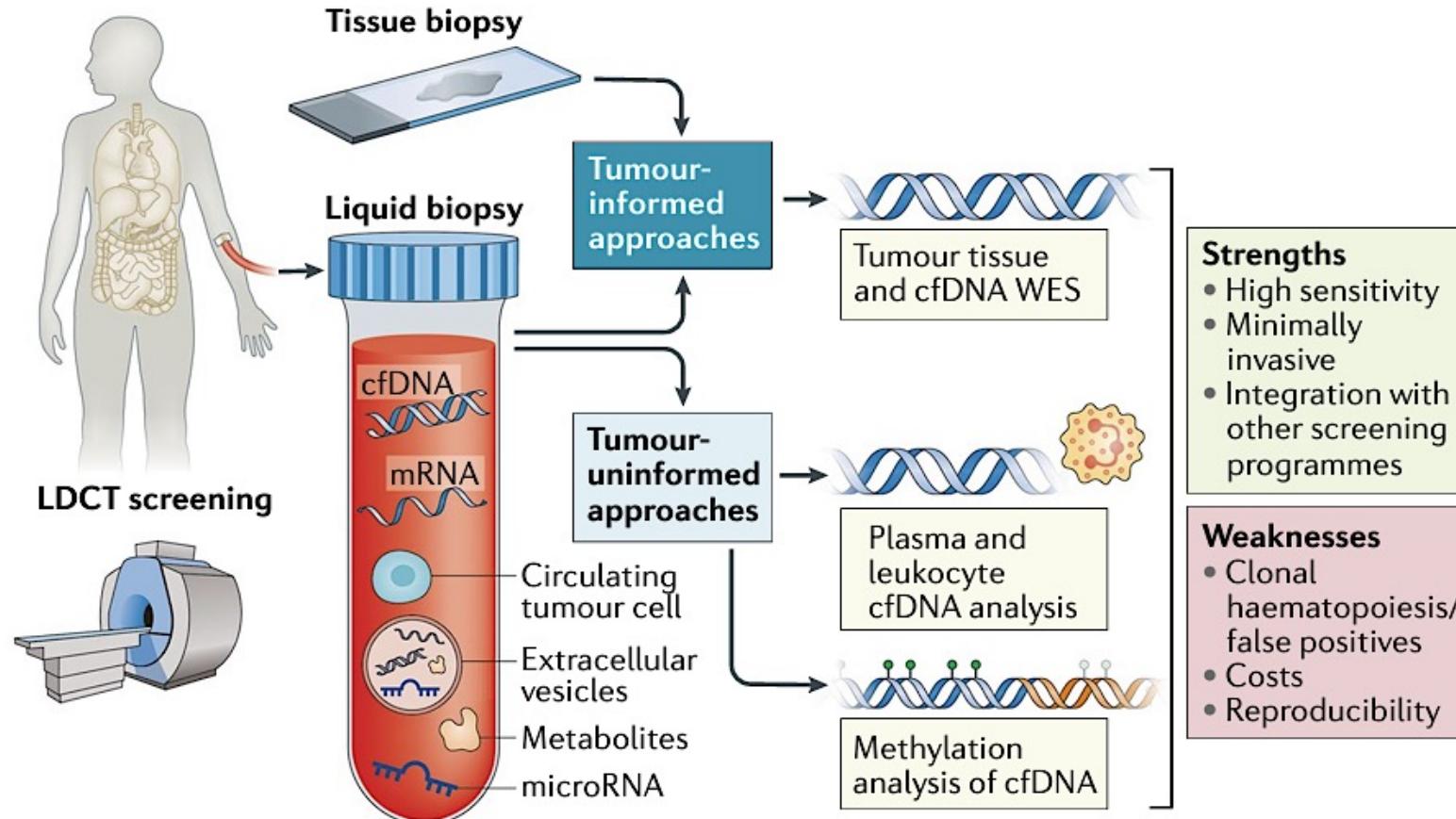
Defining circulating tumor DNA (ctDNA)

ctDNA is a putative biomarker for disease activity

- Low levels of cell-free DNA (cfDNA) can be detected even in the plasma of healthy individuals (1-10 ng/ml)
- ctDNA = detecting mutations in cfDNA that are highly specific for cancer
 - Differences in genetic, epigenetic alterations
 - Different fragment sizes
- Half-life: <2 hours
 - May fluctuate after trauma (surgery), chemotherapy



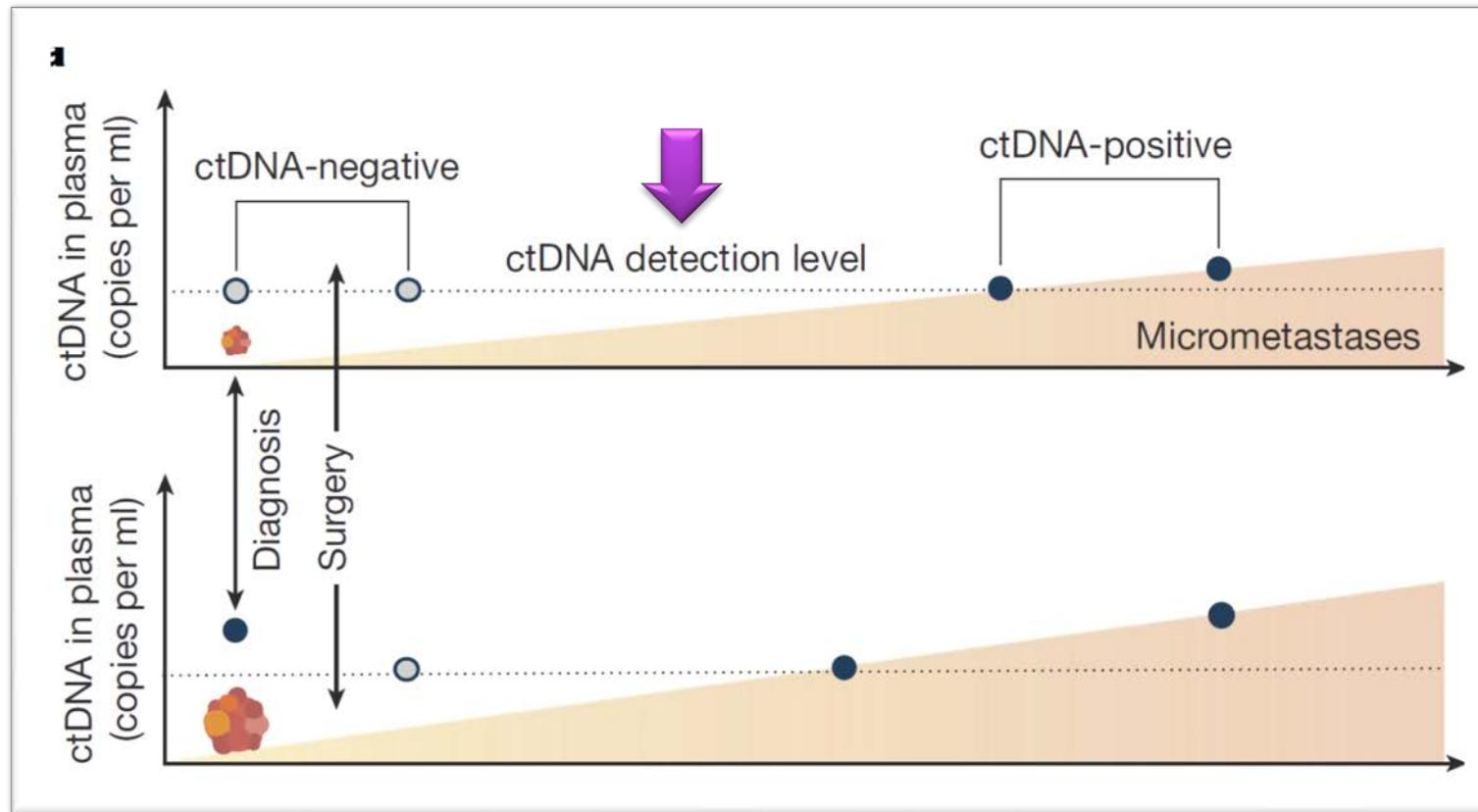
Tumor-informed vs tumor agnostic



- Tumor-informed vs. tumor-uninformed (a.k.a. tumor-naïve, plasma only)
 - Blood results typically return in 7-14 days
- Tumor-informed approaches may be more sensitive for MRD
 - Longer turnaround time for initial test result (~4-6 weeks)

Longitudinal collection may overcome assay limitations

Repeat testing can increase sensitivity



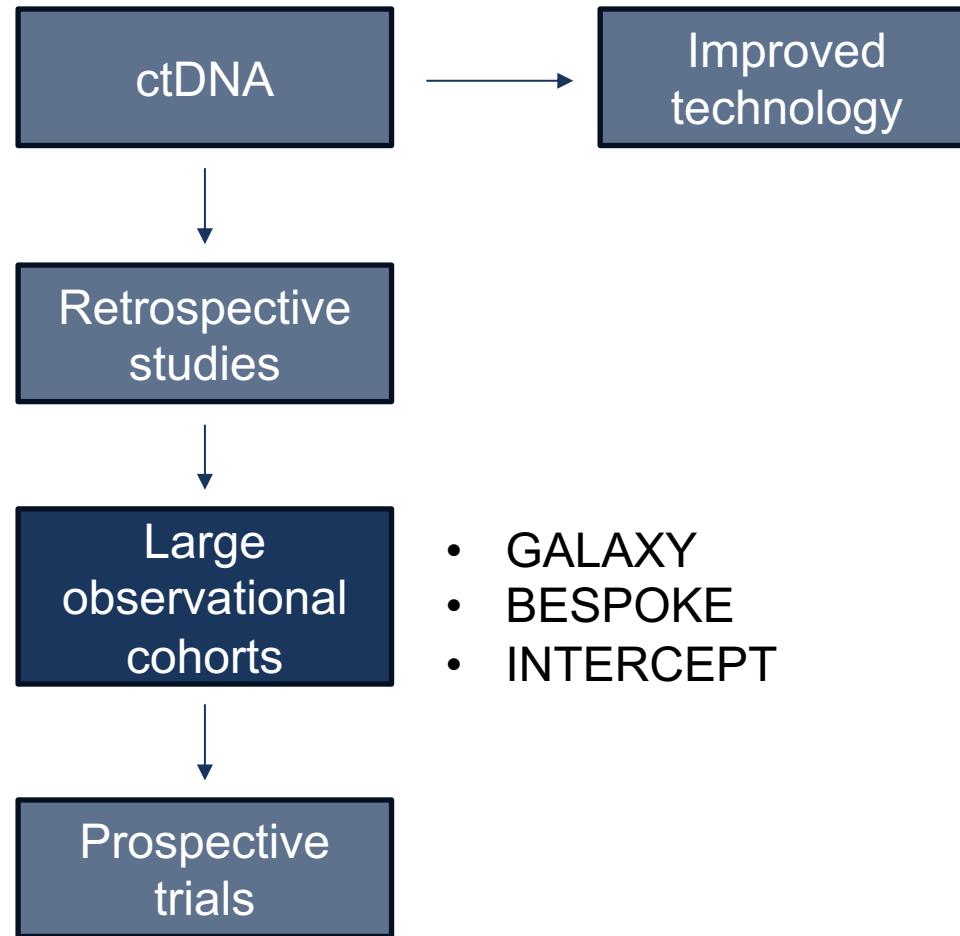
- Detection is cancer tumor burden dependent
- Longitudinal testing can overcome extremely low-level disease
- Rate of increase (e.g., doubling time) can be informative

Minimal/molecular residual disease (MRD)

MRD = small volume disease not appreciated radiographically or with other clinical measures

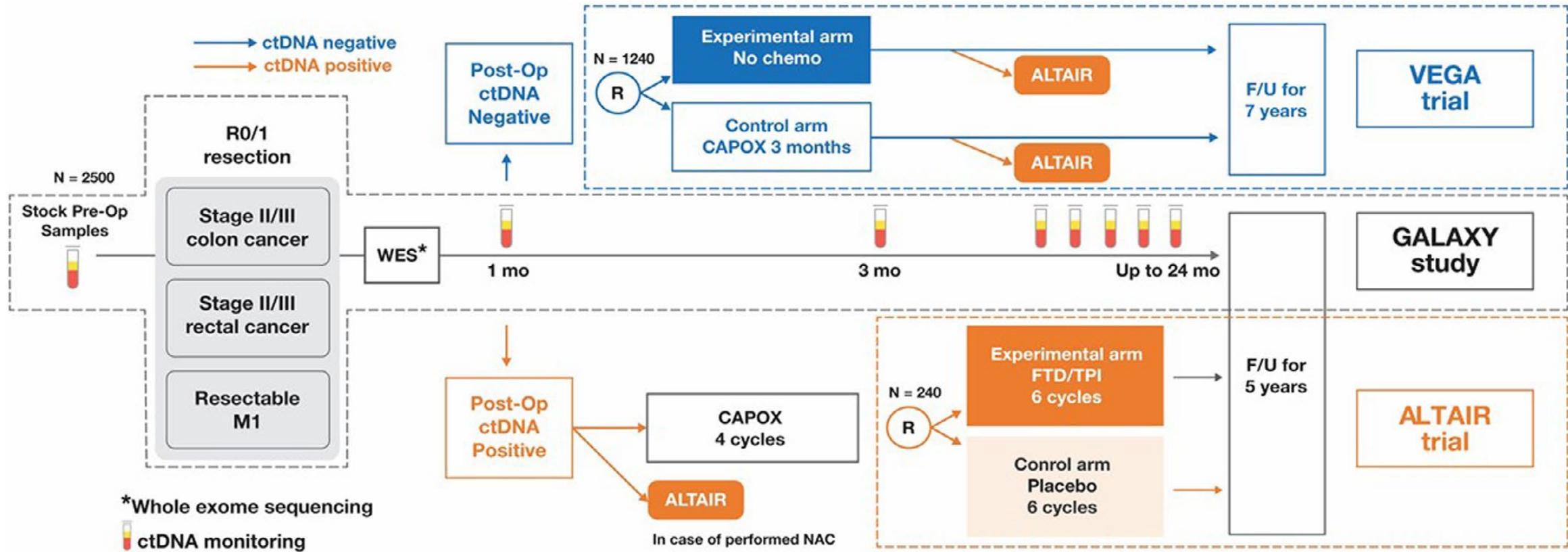
- Hypothesis: ctDNA can pick up recurrences faster than would be detected radiographically or by other blood-based assays (ex. CEA)
- Analyses have largely been retrospective and observational, but with emerging prospective data

State of the data on ctDNA in colorectal cancer



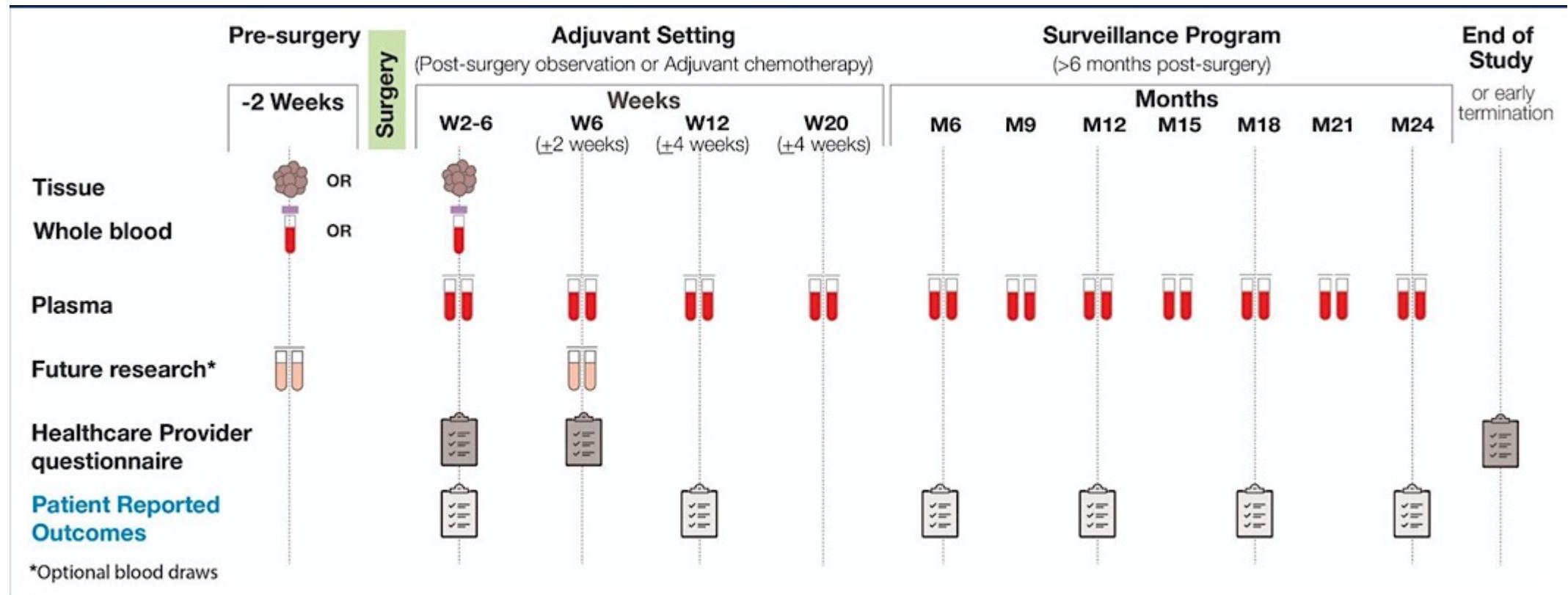
CIRCULATE-Japan: GALAXY sub-study

n=6061 → 2240 with stage 2/3



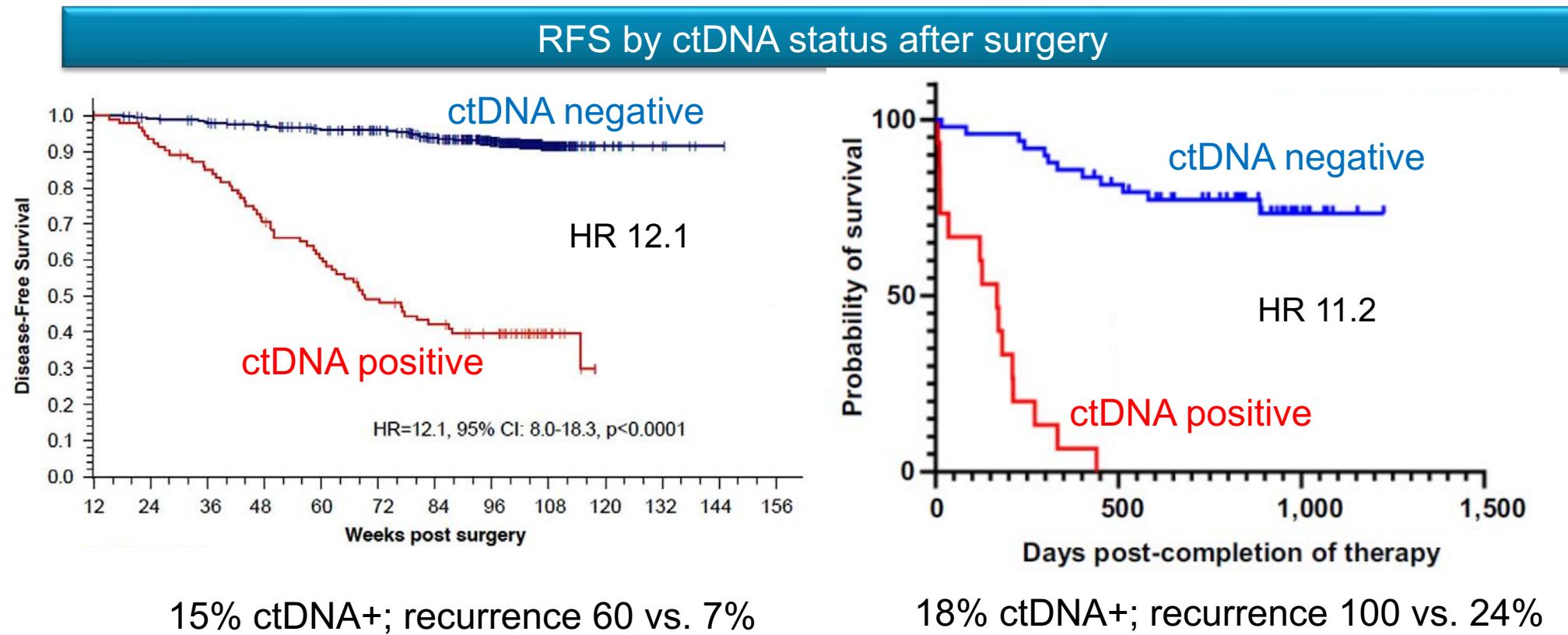
BESPOKE

n=1780 → 1166 with stage 2/3



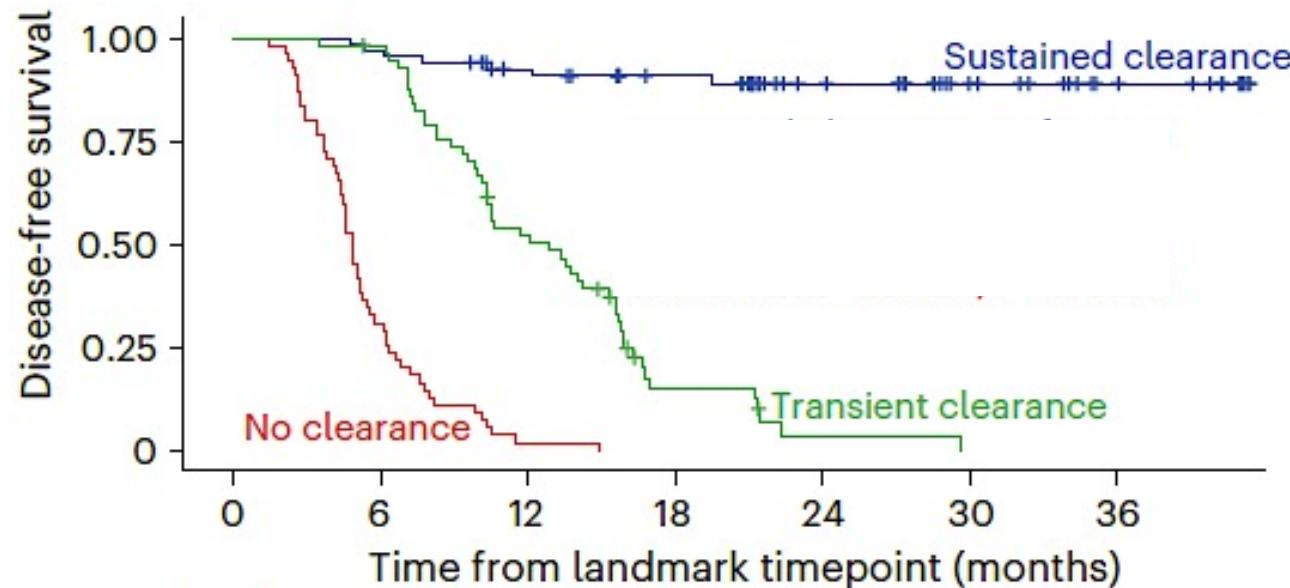
ctDNA is a strong prognostic risk factor

Emerging data with both tumor-informed (LEFT) and tumor-agnostic (RIGHT) platforms



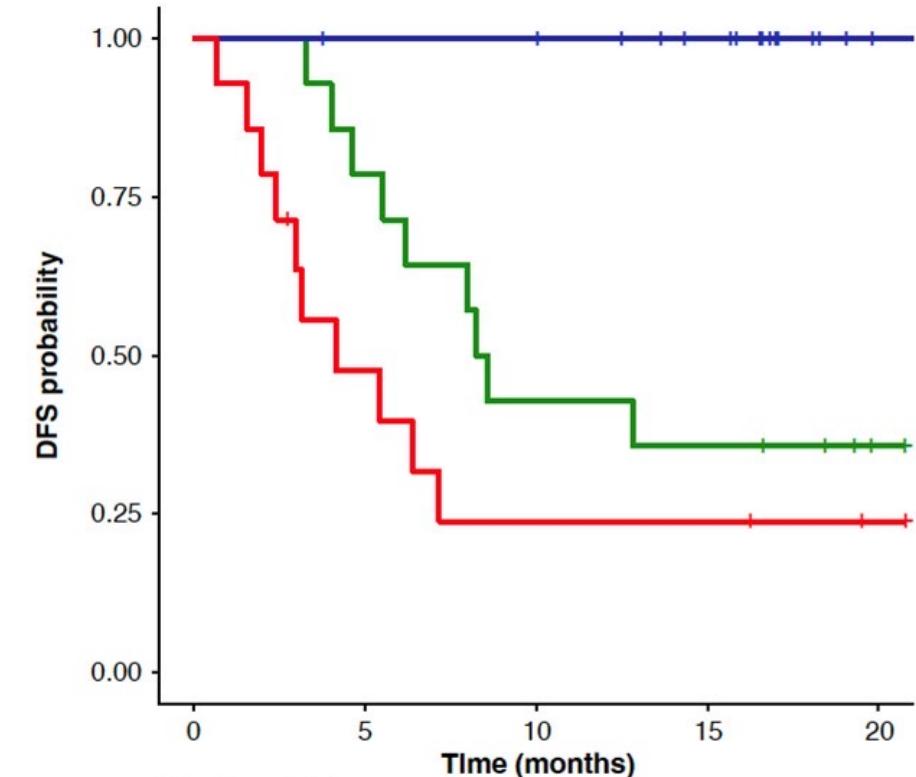
Longitudinal ctDNA clearance patterns are prognostic

GALAXY (Japan) and BESPOKE (USA) studies



Number at risk

No clearance	55	17	1	0	0	0	0
Sustained	68	66	57	48	31	19	10
Transient	58	56	28	6	1	0	0



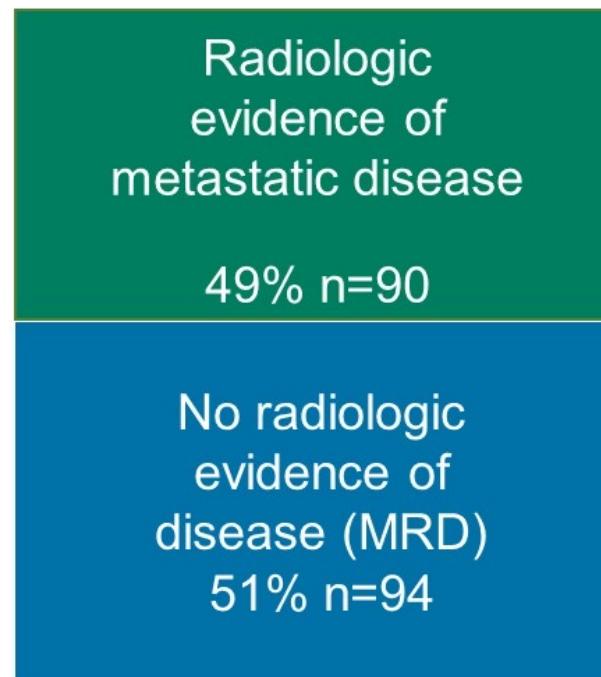
Sustained clearance	17	16	16	12	1
Transient clearance	14	11	6	5	1
No clearance	14	6	3	3	1

ctDNA+ as a real-time predictor of metastasis

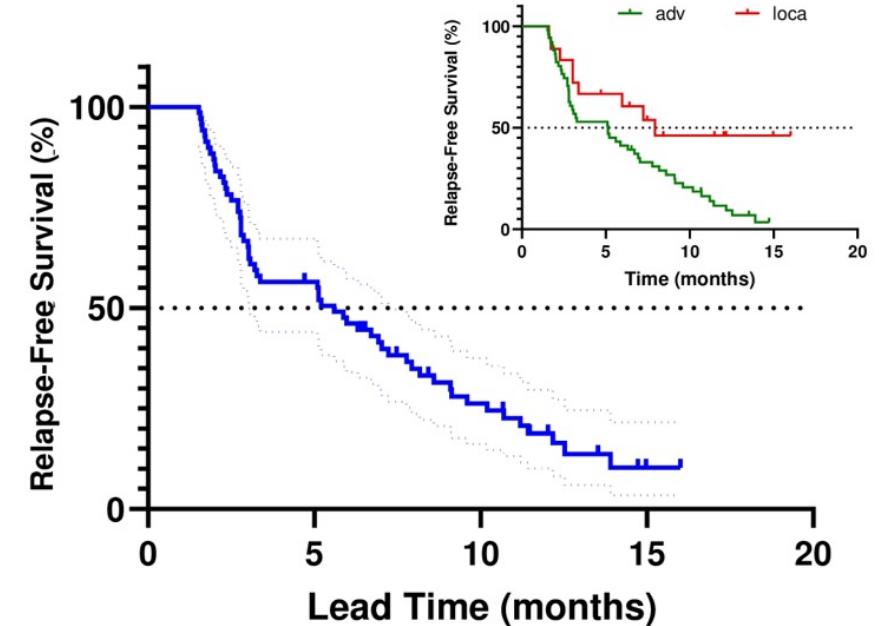
MDACC INTERCEPT study: n=1115 stage 2-4 with ctDNA evaluation after surgery

- 184 ctDNA+ during surveillance

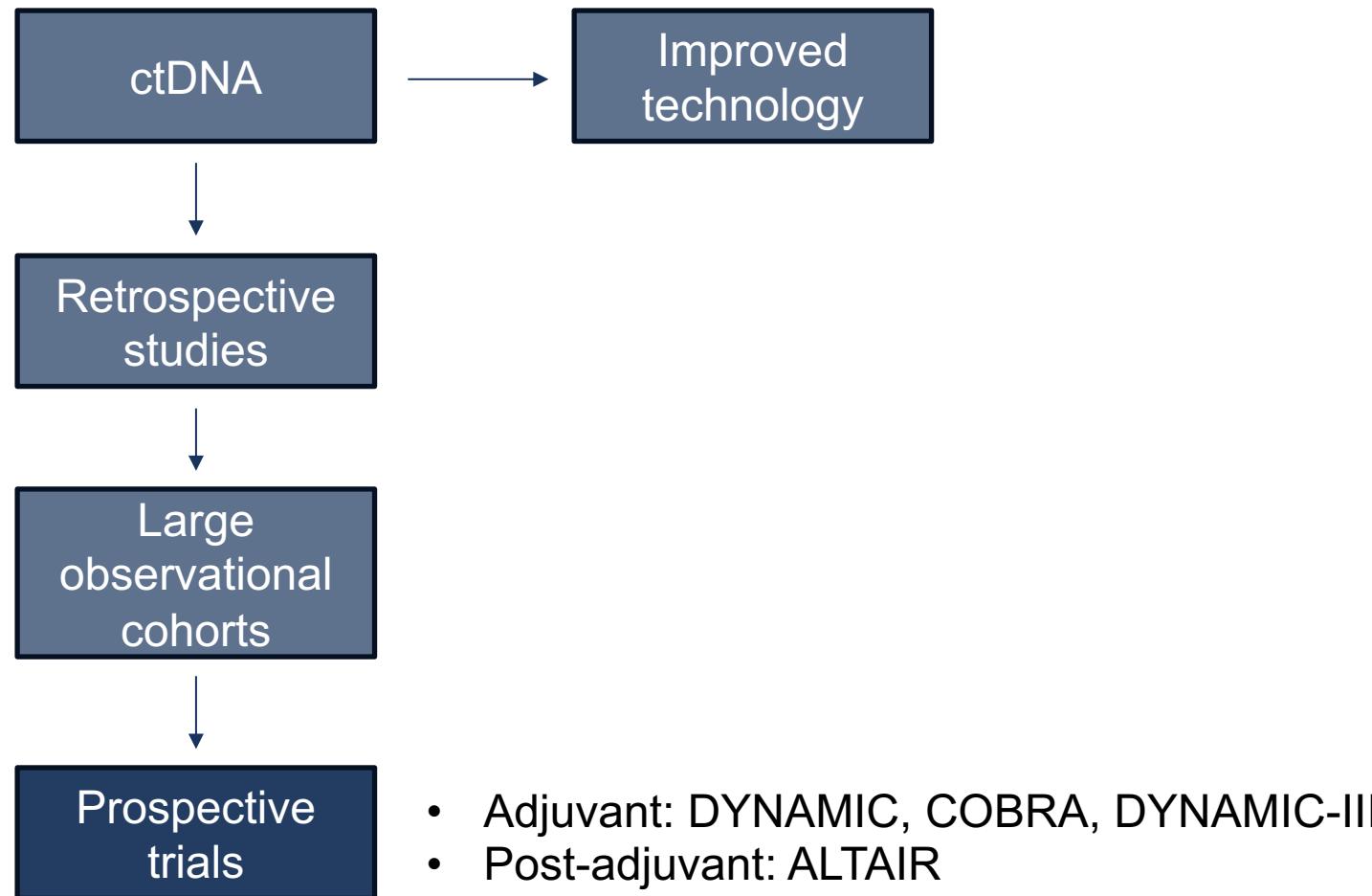
# of Reflex Investigations	# of Patients
1	48
2	18
> 2	7
Type of Reflex Investigation	# of Patients
Additional CT	25
MRI	21
PET, PET/CT	37
Biopsy	13
Ultrasound	1



- Median lead time: 3 mo
 - Excluding concomitant relapse: 5.6 mo

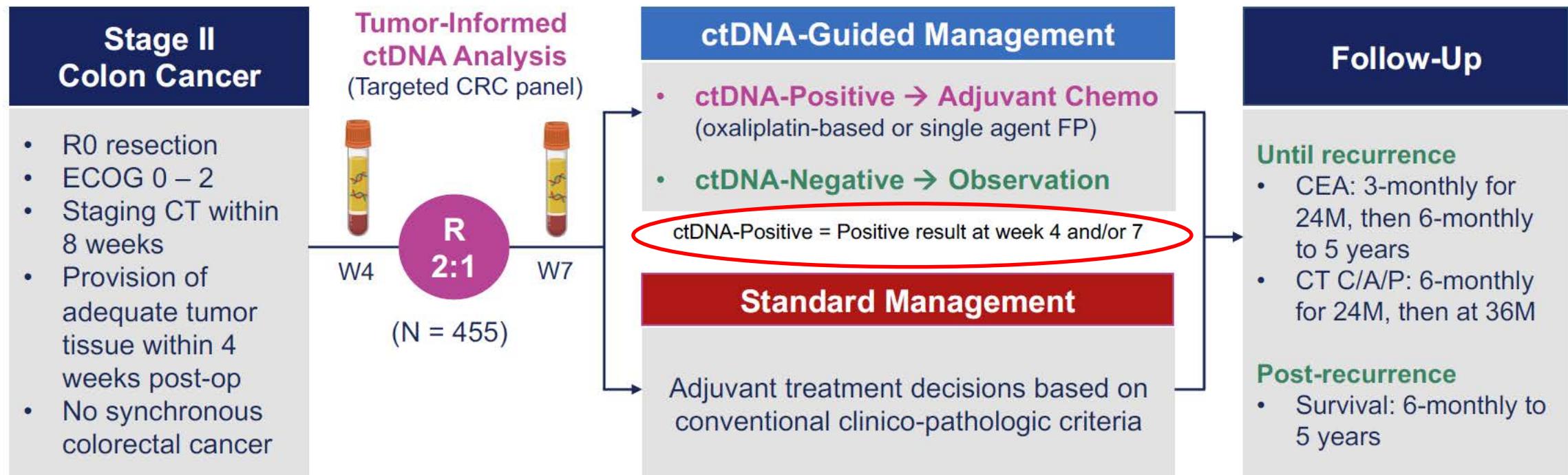


State of the data on ctDNA in colorectal cancer



DYNAMIC study

Prospective study randomizing resected stage II colon cancer 2:1 to ctDNA-guided management

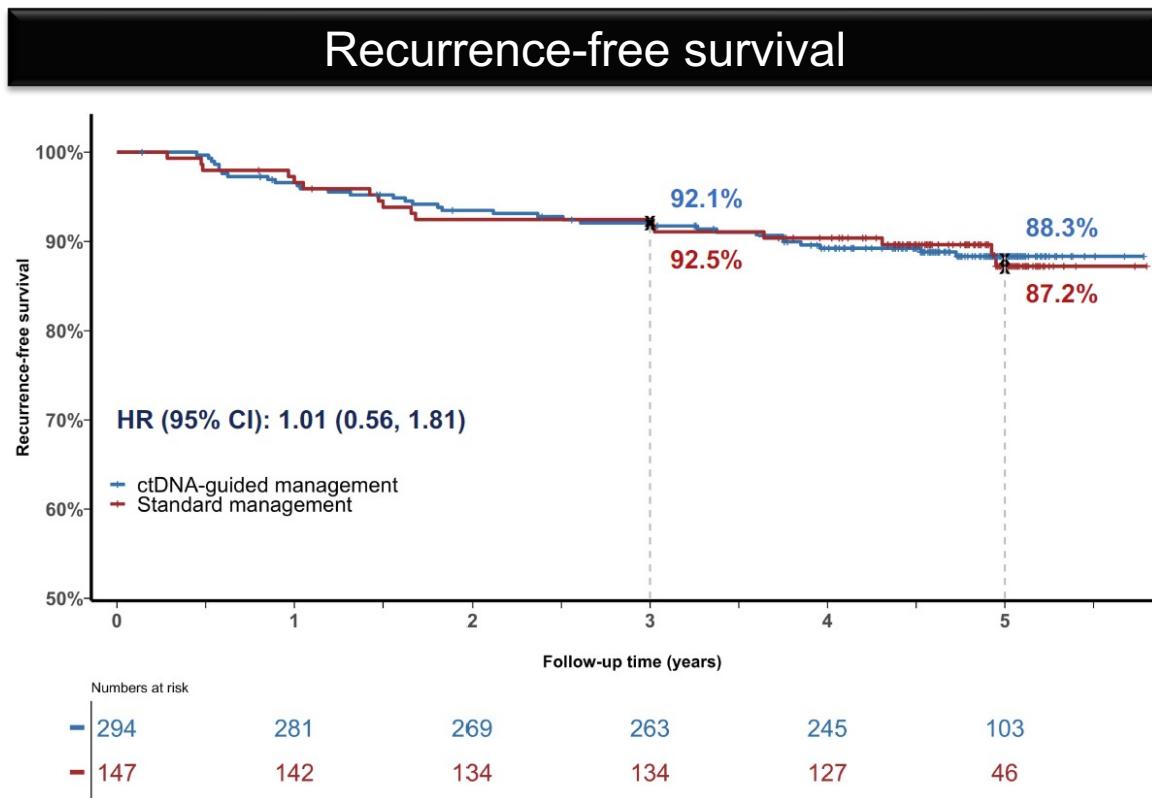


40% were clinical high risk
20% were MSI-H

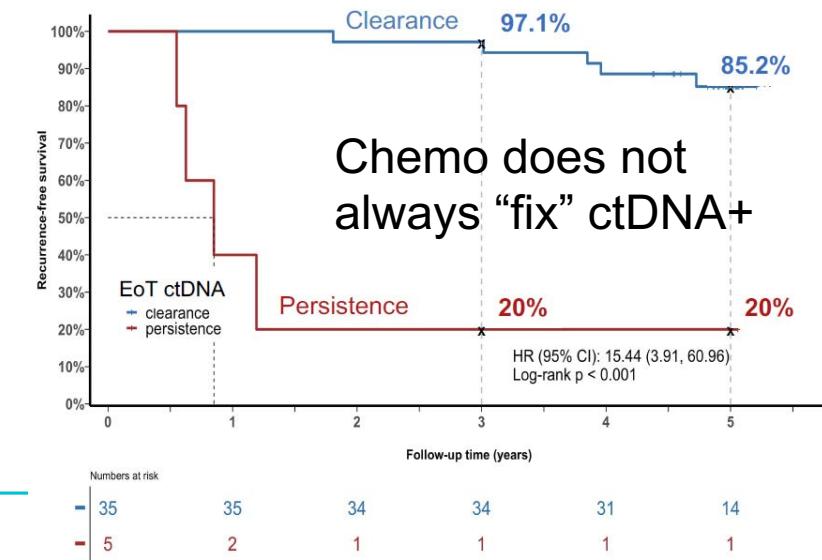
Primary endpoint:
2-year RFS

DYNAMIC: recurrence-free survival

Non-inferior outcomes, despite differences in chemotherapy receipt



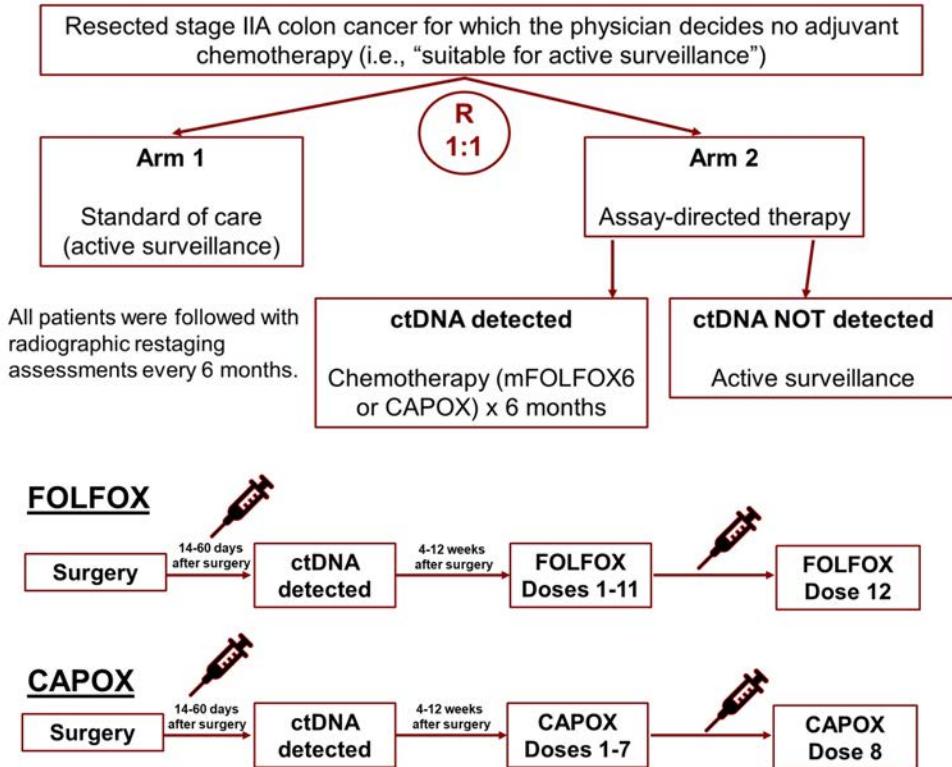
Treatment Information	ctDNA-Guided N = 294	Standard Management N = 147	P- value
Adjuvant Chemotherapy received, n	45 (15%)	41 (28%)	0.0017
Chemotherapy regimen, n	28/45 (62%) 17/45 (38%)	4/41 (10%) 37/41 (90%)	<.0001



COBRA

Stage IIA (T3N0) colon cancer

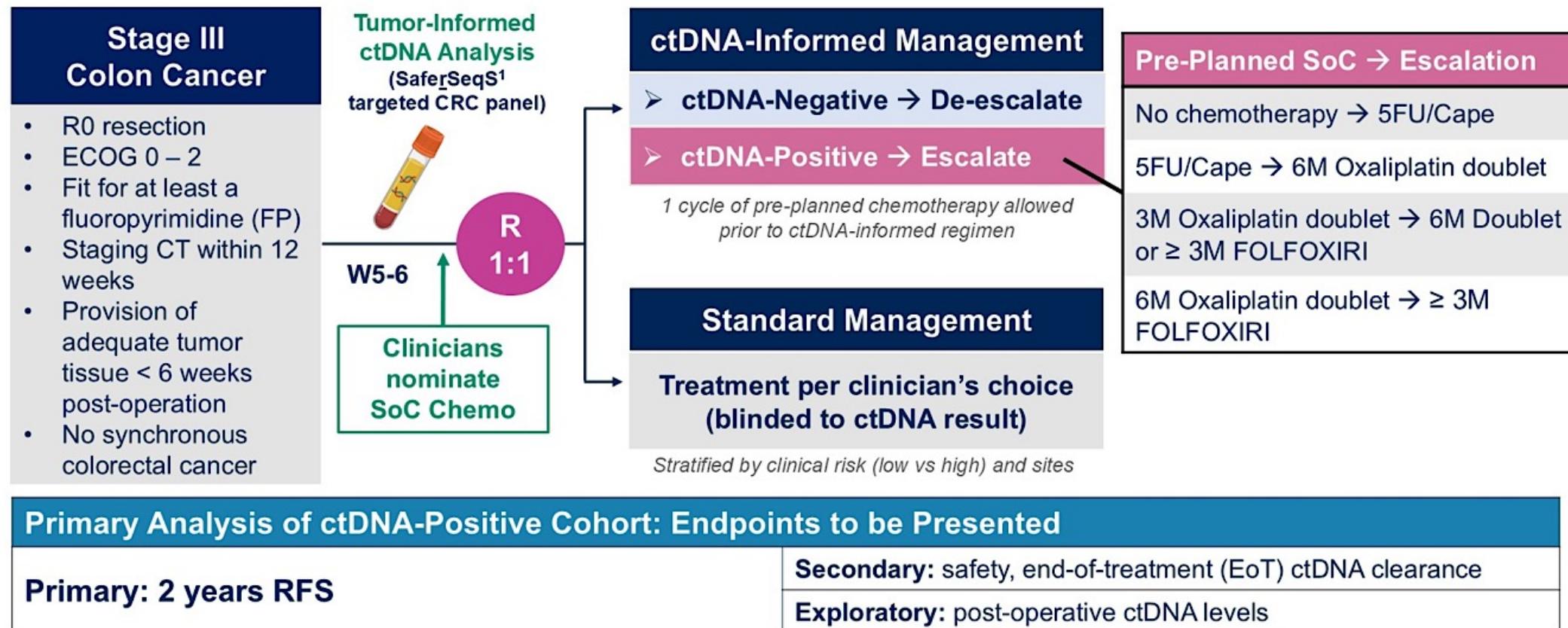
NRG-GI005 (COBRA) Study Schema



- Using a (now older) tumor-naïve assay
- 6% ctDNA positive
 - 43% spontaneously cleared in the observation arm (perhaps below the limit of the assay??)
 - 11% cleared in the chemotherapy arm
- Trial stopped early for futility (due to assay issues??)

DYNAMIC-III study

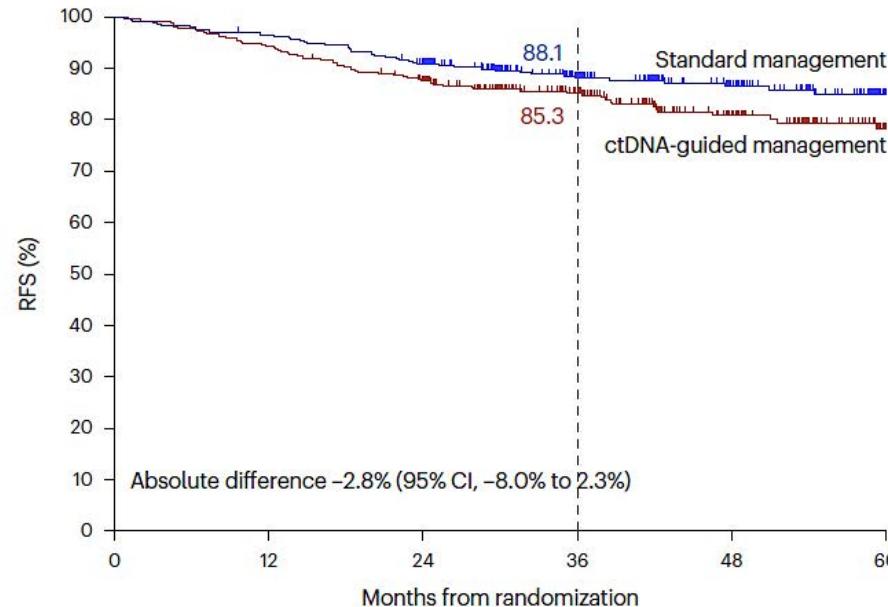
Prospective study randomizing resected stage **III** colon cancer 2:1 to ctDNA-guided management



DYNAMIC-III: Recurrence-free survival

Improved outcomes with standard management

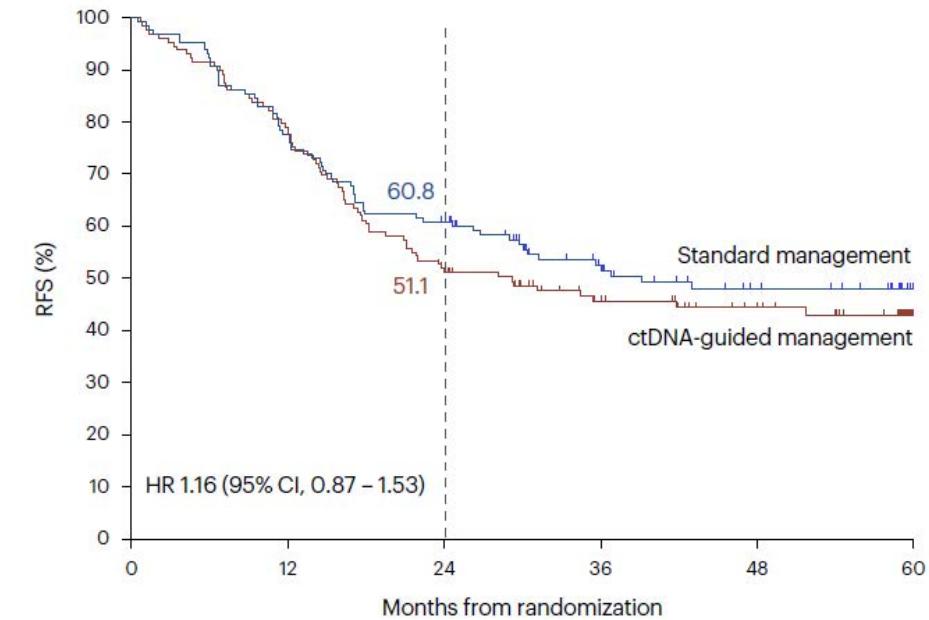
RFS: ctDNA-negative



Number at risk

ctDNA-guided management	353
Standard management	349

RFS: ctDNA-positive

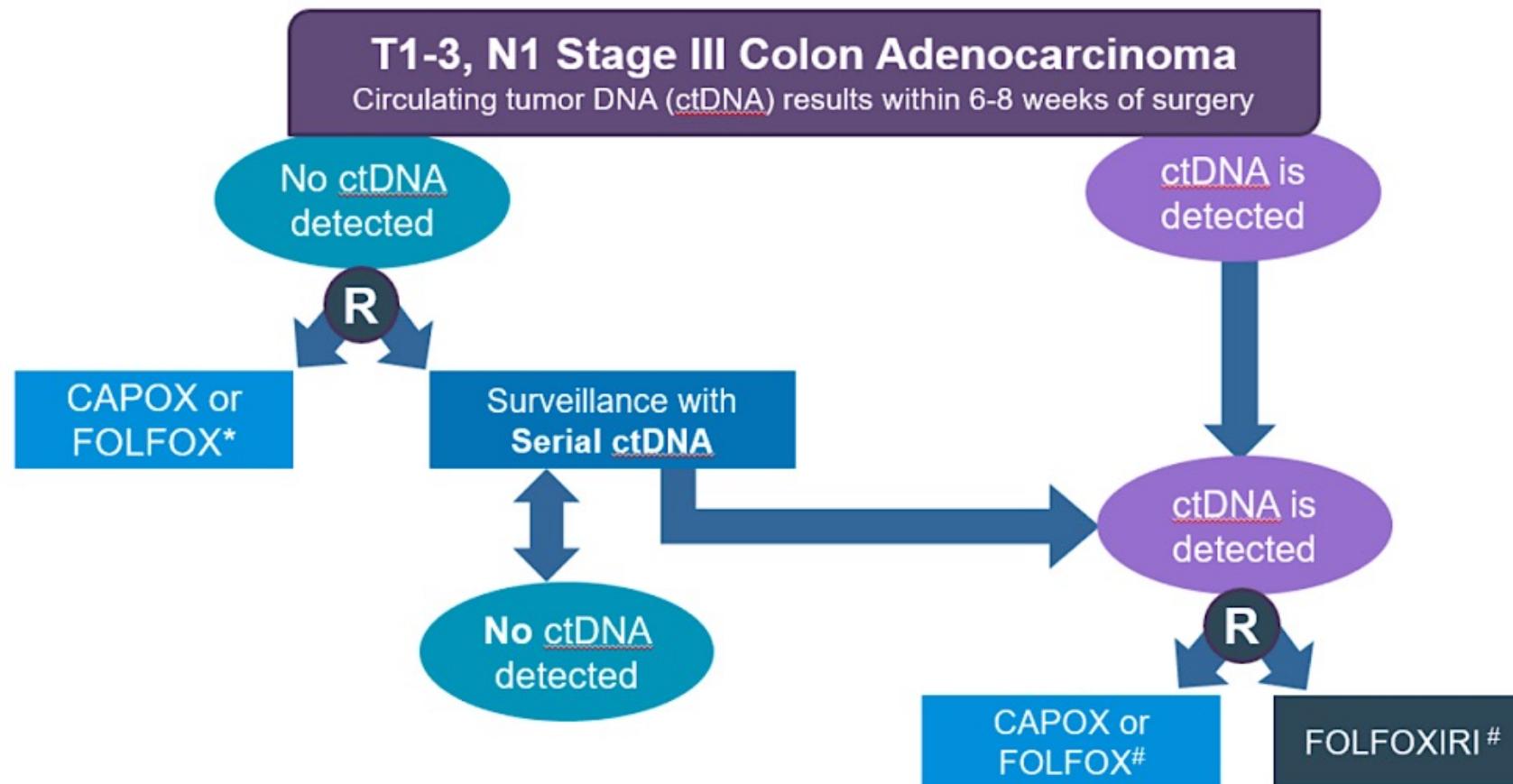


Number at risk

ctDNA-guided management	129
Standard management	130

....Is it the assay? Cohort heterogeneity? Specific regimen?

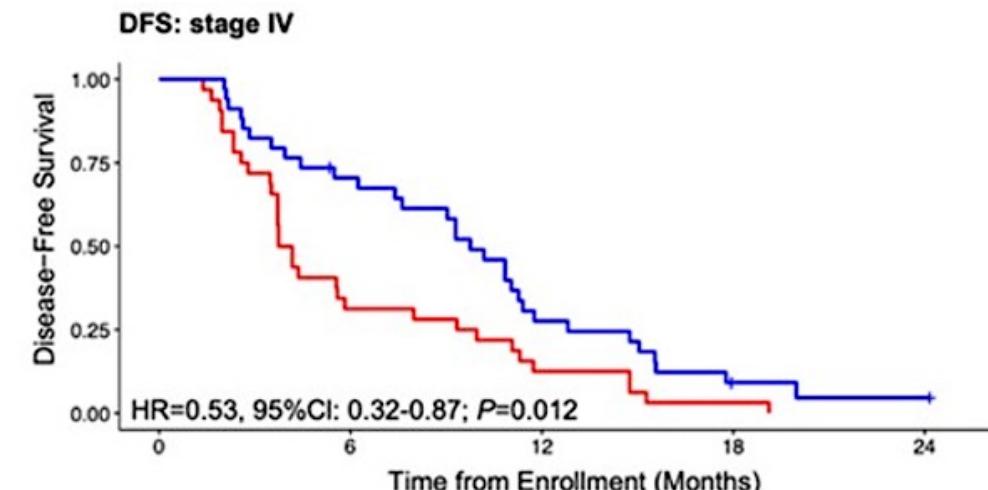
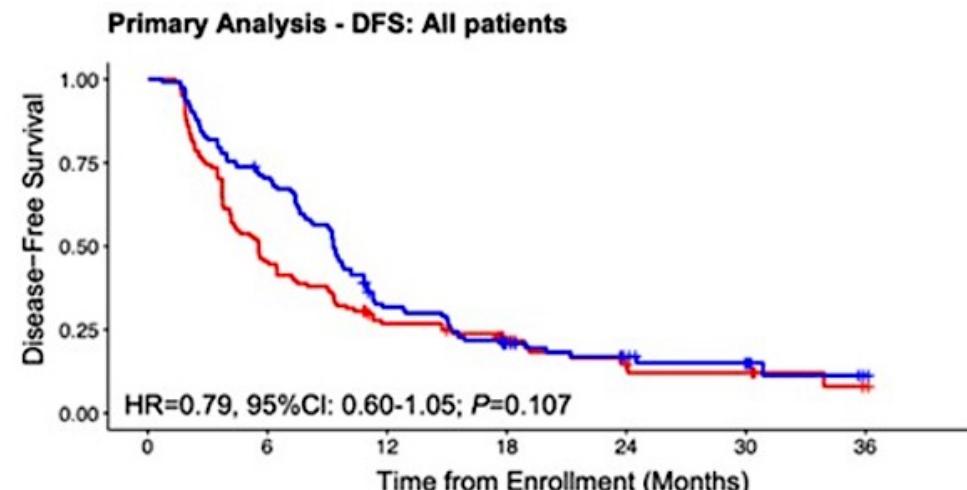
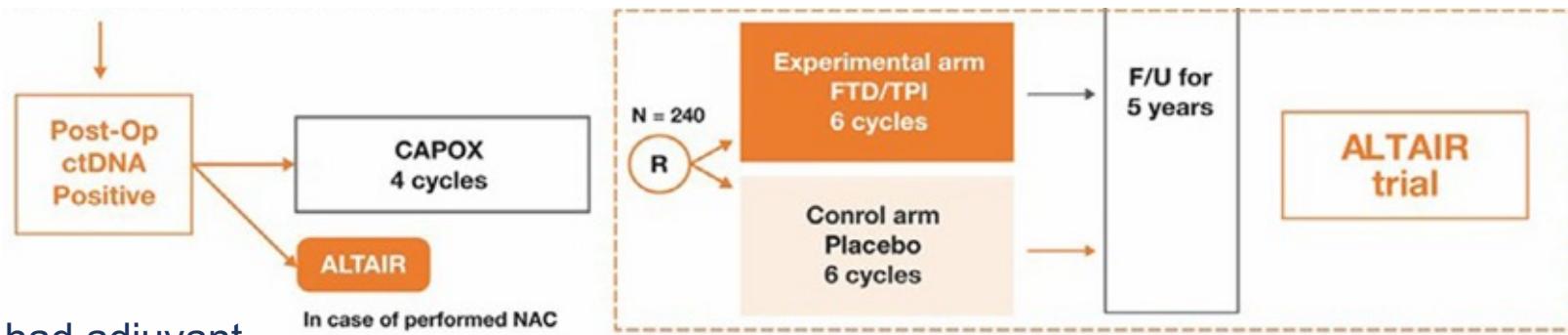
CIRCULATE-North America



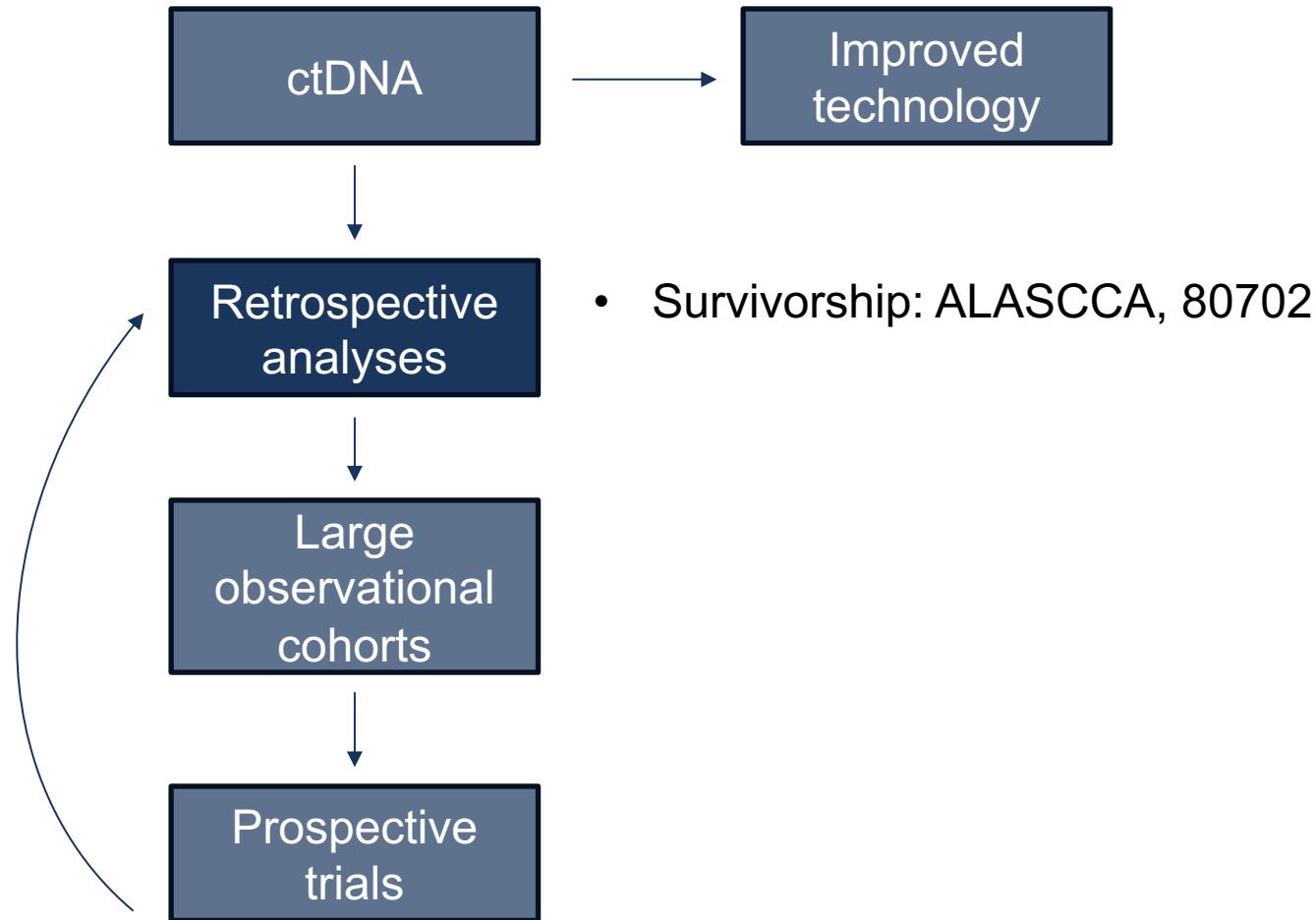
ALTAIR

Post-adjuvant study

- N=243, stage 2-4
- 36% had neoadjuvant chemo, 46% had adjuvant
- Early data suggests a negative study

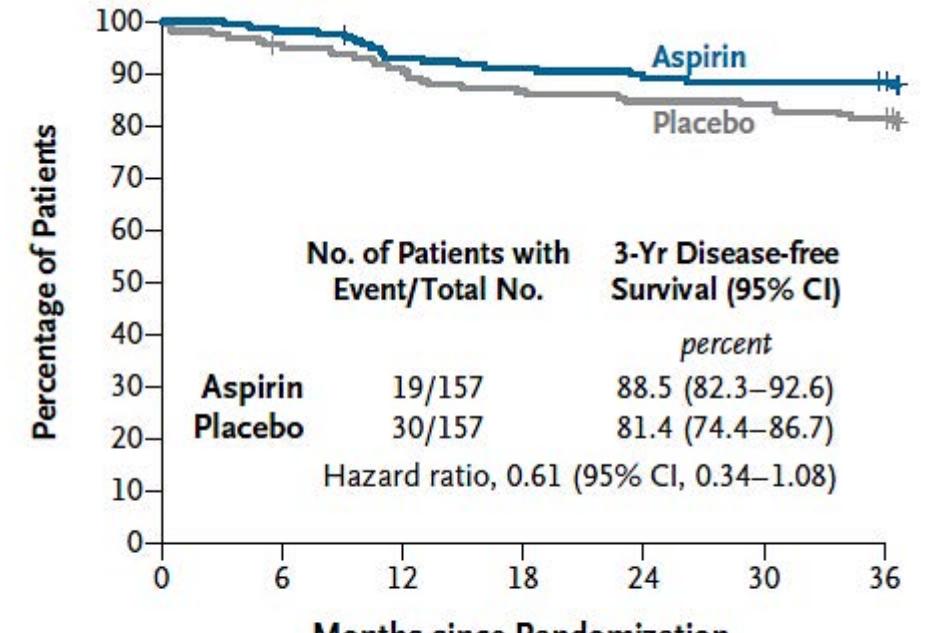
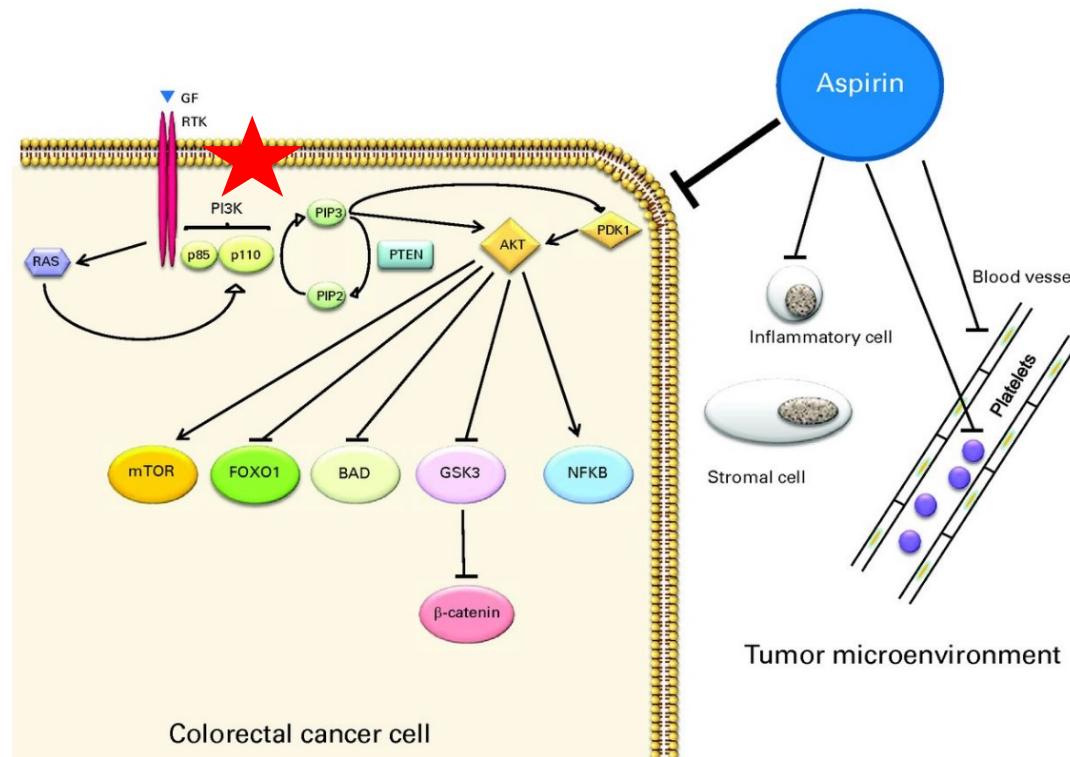


State of the data on ctDNA in colorectal cancer



ALASCCA

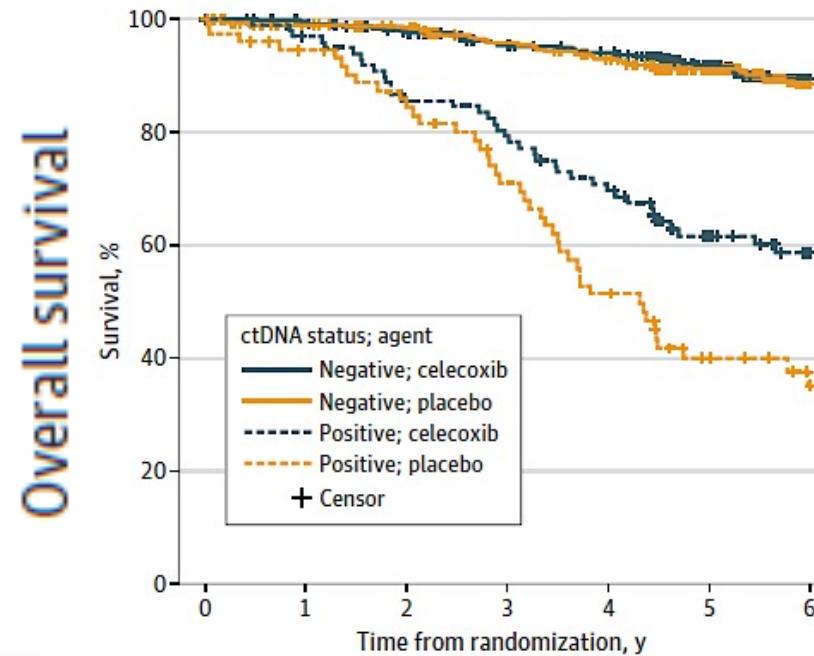
Prospective study of adjuvant 160mg aspirin vs placebo x 3 years for localized PI3Kmut CRC



No. at Risk	Aspirin	Placebo										
157	157	150	146	142	143	136	140	133	139	132	138	128

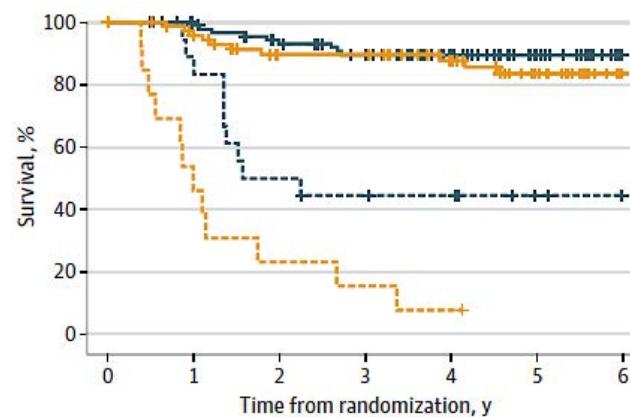
CALGB/SWOG 80702

Post-hoc analysis of this stage 3 adjuvant 3 vs 6 mo chemotherapy trial

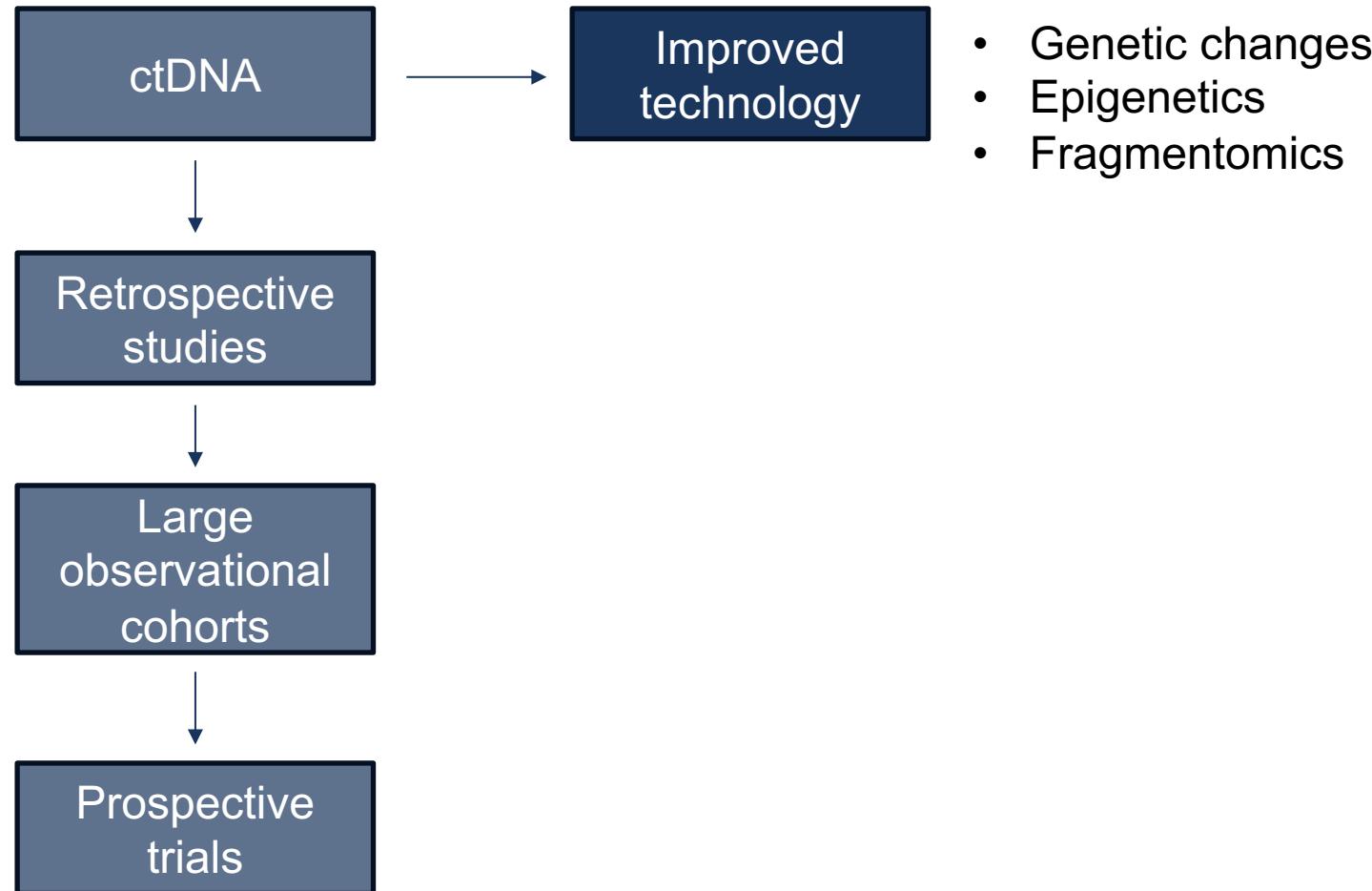


No. at risk							
Negative, celecoxib	375	361	344	327	317	266	168
Negative, placebo	392	372	359	340	323	269	155
Positive, celecoxib	99	94	82	75	65	47	32
Positive, placebo	74	67	59	47	34	21	14

- Patients were additionally randomized to 3 years of celecoxib or placebo
- ctDNA remains associated with poor prognosis
- Benefit of celecoxib seems to be in the ctDNA+ patients, even when restricting to PIK3CA-mut (22%)



State of the data on ctDNA in colorectal cancer

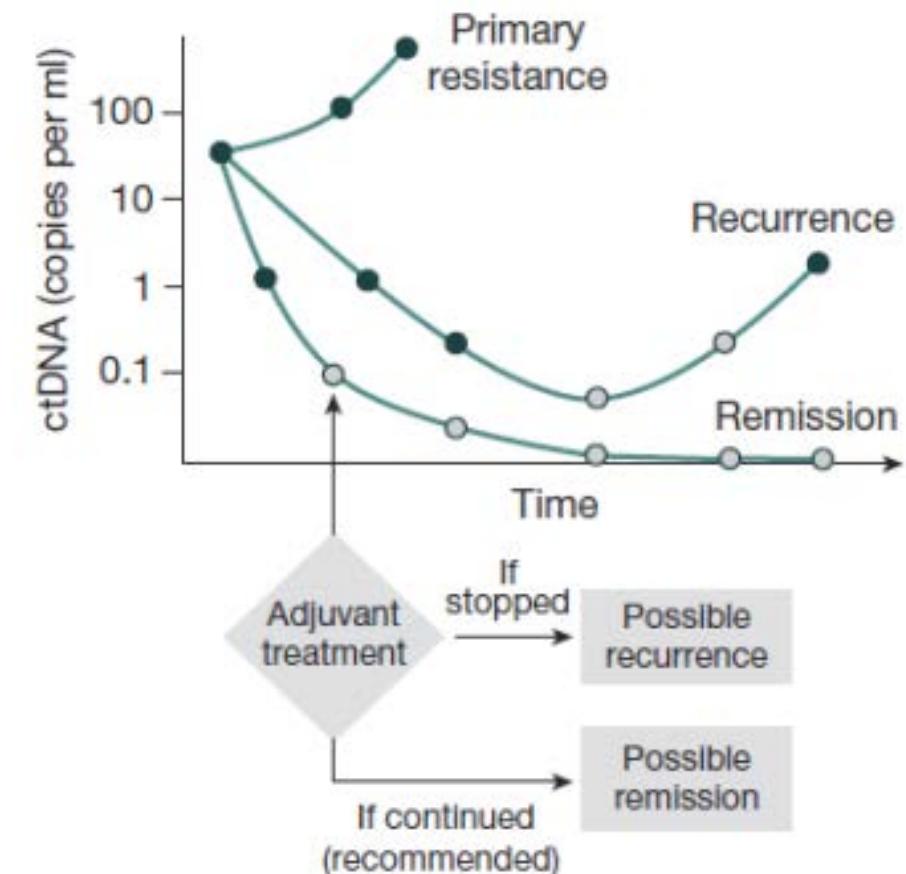
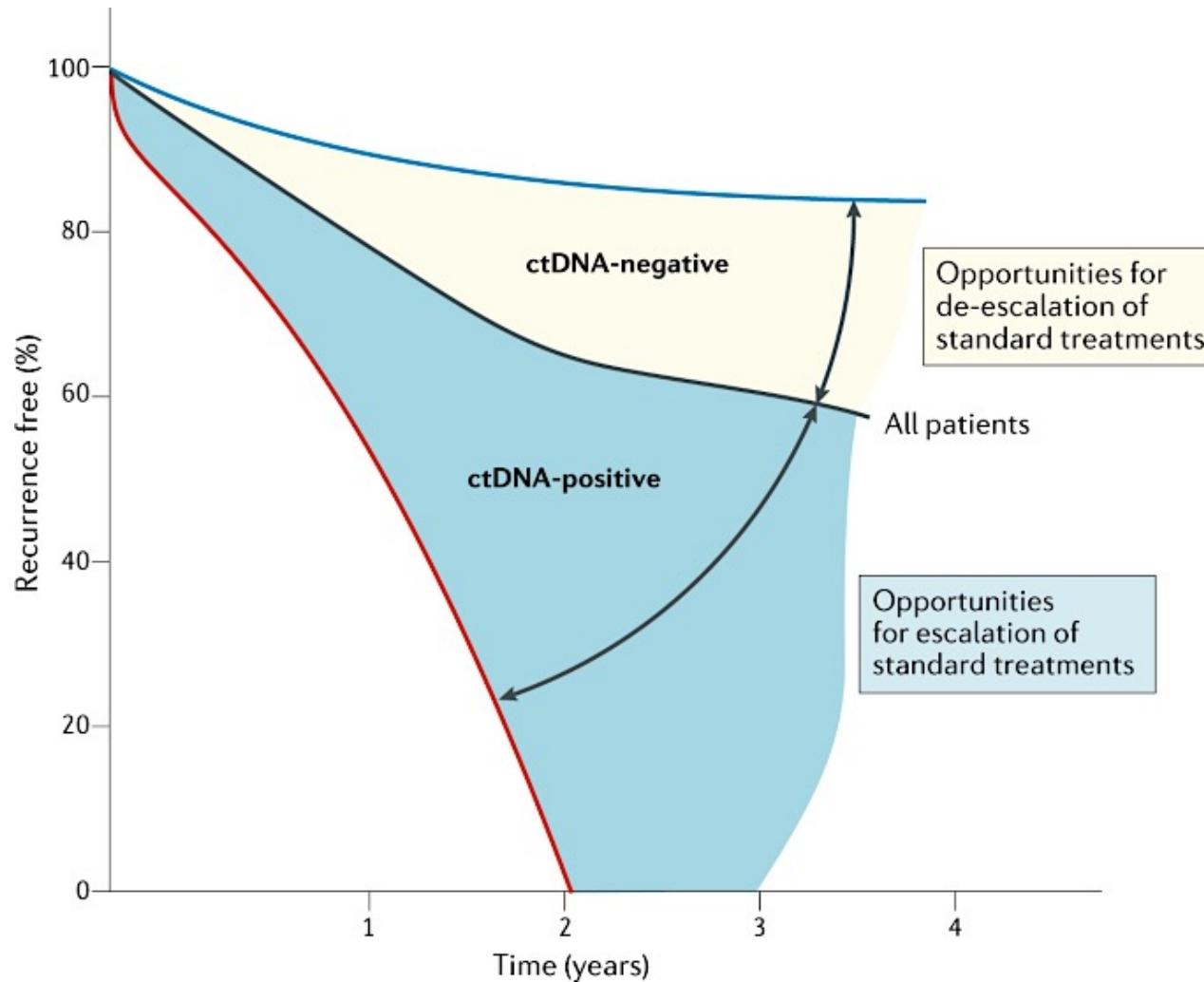


ctDNA is not static, it is a technology

Ongoing and future developments

- Discrete number of variants per patient (e.g., 16) → increased panel sizes
- Depth and breadth of sequencing (Whole exome → whole genome)
- Inclusion/improvement of epigenetics
 - Especially relevant for tumor-agnostic assays
- Better cancellation of background “noise” (e.g., ChIP)
- Binary reporting (positive/negative) → quantitative trending → evaluations of fold differences as a biomarker

Is ctDNA the future? Most likely in some capacity



Questions from General Medical Oncologists — Role of ctDNA Testing in Localized CRC

65 y/o with Stage II colon cancer – how comfortable are we in recommending chemo for Stage II colon cancer if MRD positive?

Stage IIb CRC adjuvant: preferred choice between available ctDNA testing platforms? Practicality of waiting for testing results?

Questions from General Medical Oncologists — Role of ctDNA Testing in Localized CRC

A 58-year-old man undergoes right hemicolectomy for colon cancer. Pathology: pT3N0 (Stage II) adenocarcinoma, moderately differentiated, no LVI. Adequate nodal sampling (18 nodes). MMR proficient (MSS). Traditional risk assessment: Clinically low–intermediate risk. Adjuvant chemotherapy would typically be optional or omitted. ctDNA performed 4 weeks post-op and was MRD-positive. Clinical dilemma: Standard clinicopathologic features suggest observation, MRD positivity implies high risk of recurrence. How do you approach low clinical risk patients, do you check ctDNA on everyone?

Questions from General Medical Oncologists — Role of ctDNA Testing in Localized CRC

72 yr old female with standard risk Stage IIIb colon cancer and ctDNA negative. If a patient would prefer not to receive chemotherapy do you think it's a reasonable option to omit chemo if MRD tests are negative?

55 y/o female pt with Stage IIIA left-sided colon cancer, with only 1/16 LNs +, pt strongly wants MRD testing to decide adjuvant chemotherapy. Is it okay to go by ctDNA test result to guide FOLFOX adjuvant chemo in this pt's case?

Questions from General Medical Oncologists — Role of ctDNA Testing in Localized CRC

58 y/o F with DM neuropathy and Stage II colon cancer with high Oncotype DX® Recurrence Score®, ctDNA for MRD is negative. Is it safe to omit adjuvant therapy in this pt?

68 y/o M with L-sided colon cancer s/p hemicolectomy, about to start adjuvant FOLFOX and initial ctDNA testing positive. Should positive ctDNA test at initiation of adjuvant therapy affect aggressiveness or duration of therapy?

Questions from General Medical Oncologists — Role of ctDNA Testing in Localized CRC

82F with hypothyroidism, DM, HTN, CAD, and T3N2 colon cancer s/p surgery, recommendation is for adjuvant chemotherapy. Patient is worried about chemo toxicities and functional decline. Would MRD assay results help you with treatment duration decision-making?

Questions from General Medical Oncologists — Role of ctDNA Testing in Localized CRC

68 y/o with Stage III MSI-H rectal cancer treated with 6 months of dostarlimab and achieves clinical CR on images and sigmoidoscopy but ctDNA positive. How many negative ctDNA tests are sufficient to stop testing? How often do you test?

66 y/o man with osteoarthritis Stage IIIA rectal cancer s/p TNT and surgery, had pCR, but ctDNA+. Would you recommend additional therapy?

Questions from General Medical Oncologists — Role of ctDNA Testing in Localized CRC

48-year-old man with Stage IIIB colorectal cancer s/p hemicolectomy s/p FOLFOX x 12C with +ctDNA. What to do with patients who have completed a full course of adjuvant therapy who have +ctDNA?

65 y/o F with L-sided colon ca s/p hemicolectomy and adjuvant FOLFOX. ctDNA testing negative for 1 year then returns low positive. Would experts start systemic therapy for a new positive ctDNA test after previous negativity?

Questions from General Medical Oncologists — Role of ctDNA Testing in Localized CRC

52 y/o female. Stage III colon cancer. ctDNA was positive. After 3 months of adjuvant FOLFOX, ctDNA was zero. But it turned positive at 6 months. Now CT showed upper abdominal LN. FOLFIRI and Bev started. When imaging shows evidence of recurrence, and ctDNA is positive, is a biopsy still needed to confirm the recurrence?

Expert Second Opinion: Current and Future Roles of Immunotherapy and Targeted Therapy in the Management of Advanced Gastroesophageal Cancers

A CME Symposium Held Adjunct to the 2026 ASCO® Gastrointestinal Cancers Symposium

Friday, January 9, 2026
6:00 PM – 8:00 PM PT

Faculty

Jaffer A Ajani, MD
David H Ilson, MD, PhD
Rutika Mehta, MD, MPH

Moderator

Samuel J Klempner, MD

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