Colorectal Disease



Hereditary Cancer Syndromes

Gautam Mankaney, MD Section Head, GI & Hepatology Director, GI Cancer Prevention Program Virginia Mason Franciscan Health November 15, 2025



Disclosure

None



Overview

I. Colon Cancer Basics

Screening: The Next Frontier

High-Risk Patients



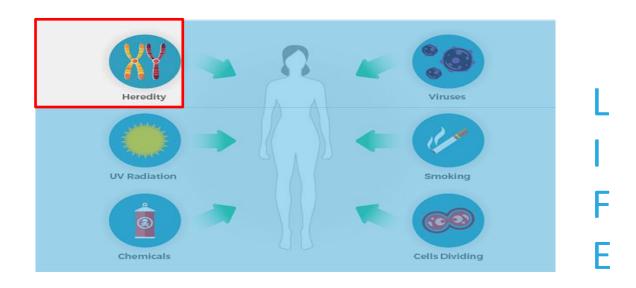


Colon Cancer - Basics

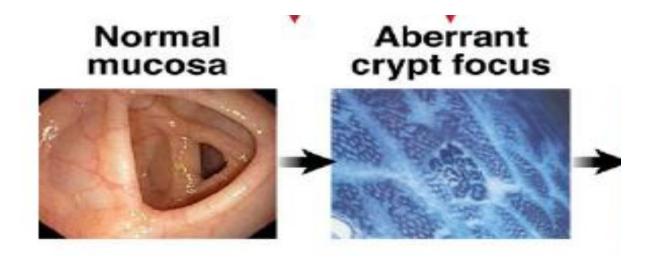




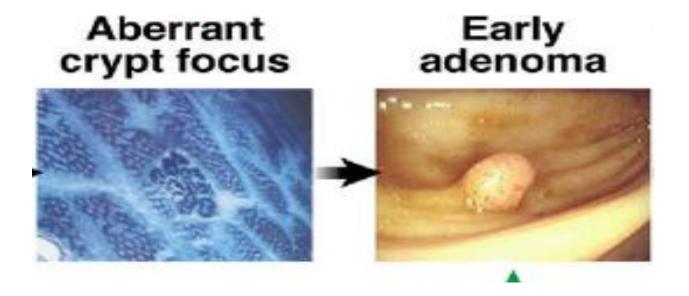
Cancer is a Genetic Disease



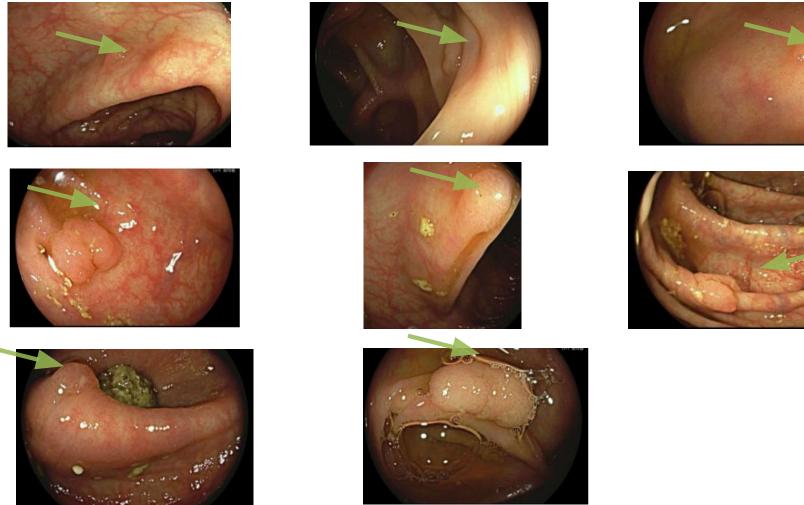






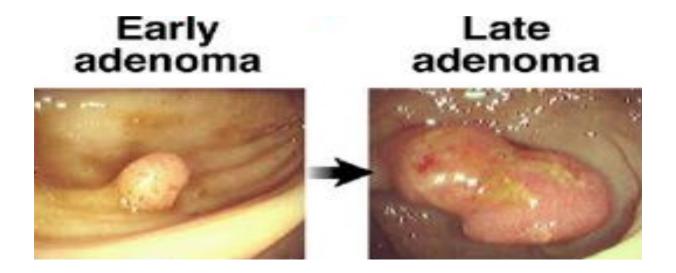




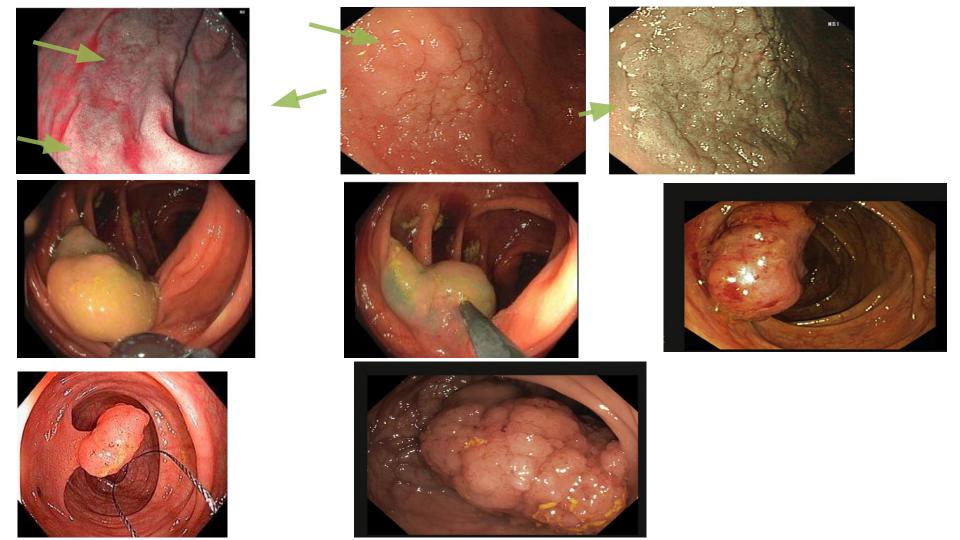


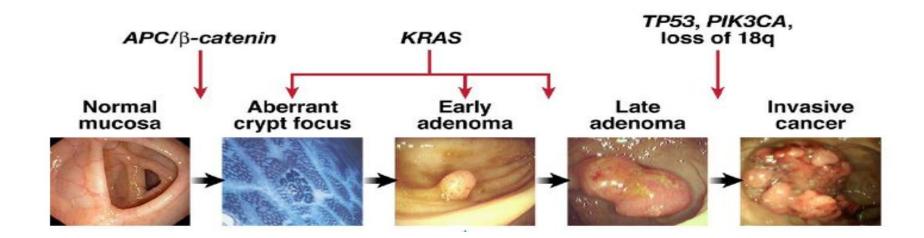




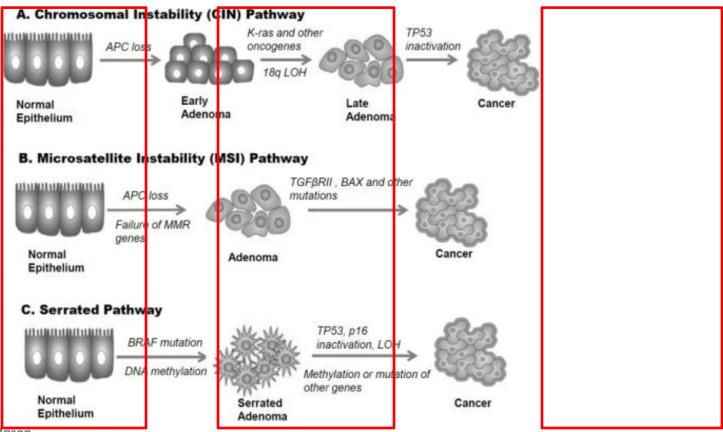


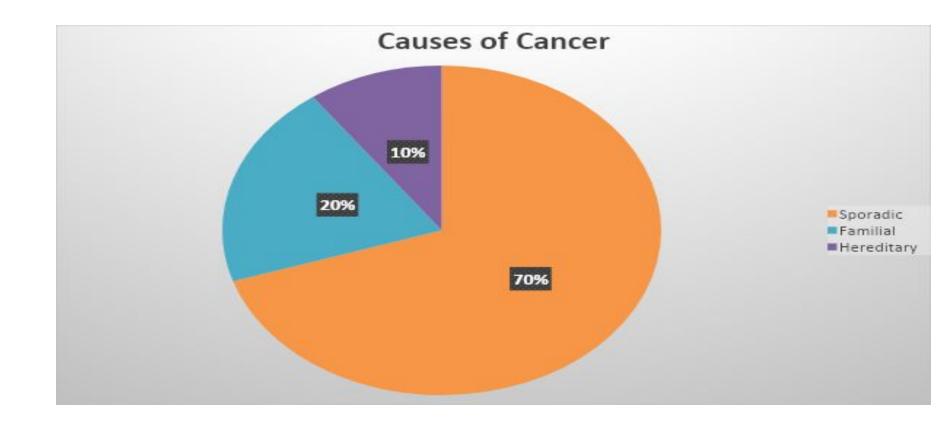








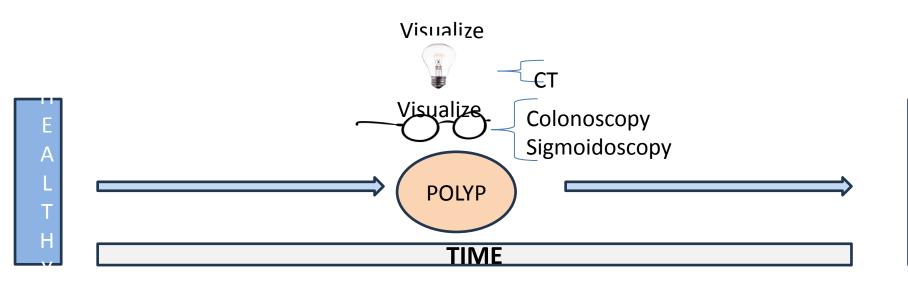






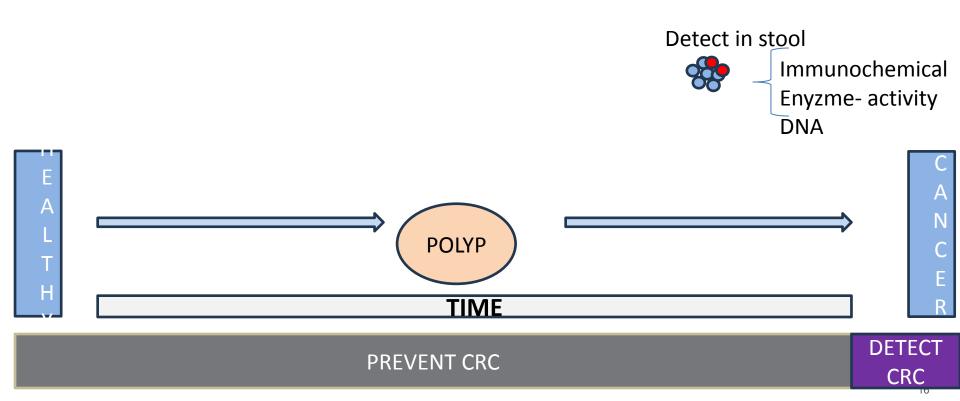


Visualization

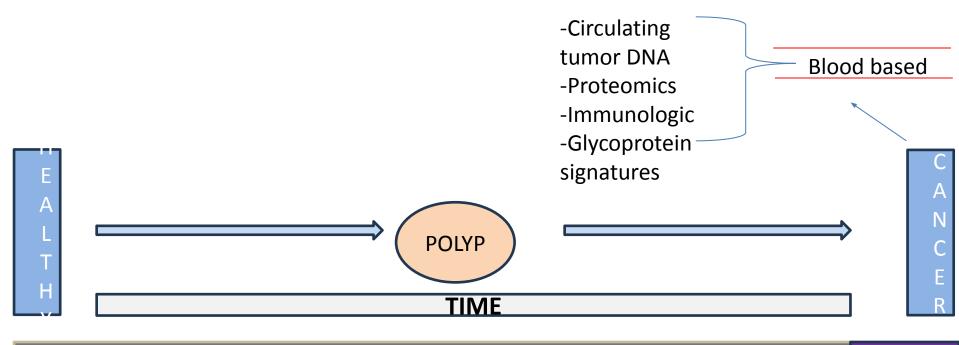


A N C E

Stool detection

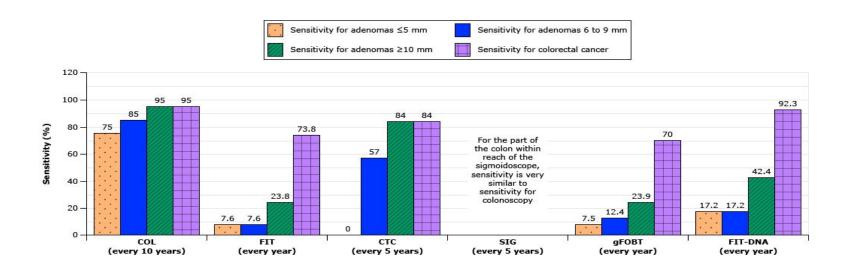


Circulating blood detection



DETECT CRC

Test Performance





Screening – The Next Frontier



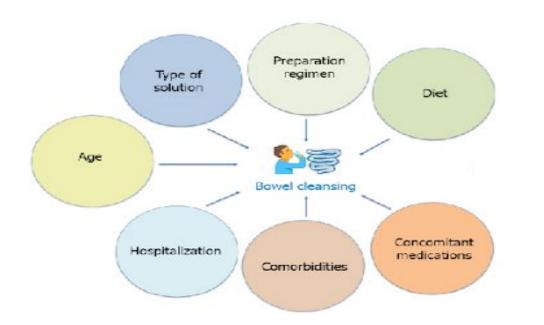


Opportunities to Improve Screening

- Patient Related
 - Bowel preparation
 - Adherence
- Technology Related
- Physician Related
 - Quality of exam
- Systems Related



Patient-related: Bowel Prep





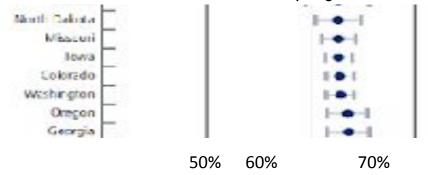
Patient-related: Bowel Prep

Outcome	High-volume (4 L) preparations	Low-volume (2 L) preparations	Ultra-low-volume (≤1 L) preparations
PEG and non-PEG regimens Adequate bowel disantiness overall, % (95% CI)	87.4% (84.1-90.7)	86.1% (82.6-90)	Sedium picceufate with magnesium citrate: 76.2% (67.6-81.4) 1 L PEG with ascerbic acid: 82.9% (74.4-90.2) Oral sulfate solution: 92.1% (79.7-97.2) Sedium phosphate: 81.9% (6.8-97.2)
Adequate bowel pleanliness, right colon,	89.6% (87.3-92.0)	91.2% (89.1-93.3)	NA NA
% (95% CI) Patient adherence to regimen, % (95% CI)	85.8% (82.1-91.4)	92.8% (89.6-96.1)	NA.
PEG + ascerbic or otric acid re Adequate bower cleanliness overall, % (95% CI)	gimens 86.3% (82.0-90.5)	84.9% (80.8-89.0)	1 L PEG with ascorbic soid: 82.9% (74.4-90.2)
Adequate howe bleaminess, right colon, % (95% Cil)	88.4% (85.0-91.9)	90.5% (87.3-93.6)	NA CONTRACTOR
Patient adherence to regimen, 36 (95% CII)	88.2% (87.0-89.4)	93.4% (92.5-94.3)	NA
van PEG regimens*			
Adequate bower cleanliness overall, % (95% CI)	91% (87.8–94.2)	89.5% (83.6–95.4)	Sodium picosulfate with magnesium citrate: 75.2% (67.6-81.4) Oral sulfate solution: 92.1% (95%CI, 79.7-97.2) Sodium phosphate: 81.9% (95% CI, 36.8-97.2)
Adequate bowel cleanliness, right colon, % (95% CI)	91.4% (87.9-94.9)	92.2% (88.8-95.	
Patient adherence to regimen, % (95% CI)	89.4% (86.3-92.4)	90.2% (86.7-93	.0) NA



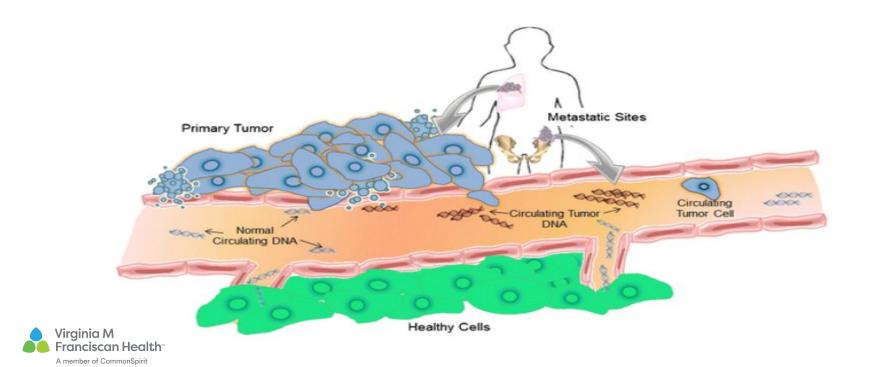
Patient-related: adherence

- Screening prevalence: 53% (CA) 70% (MA/D.C.)
- 59% of all adults 45-75yo
- Lowest: Asians, immigrants, uninsured, <HS education, 45-49yo
- Factors: time, fear, insurance, cost, physician recs

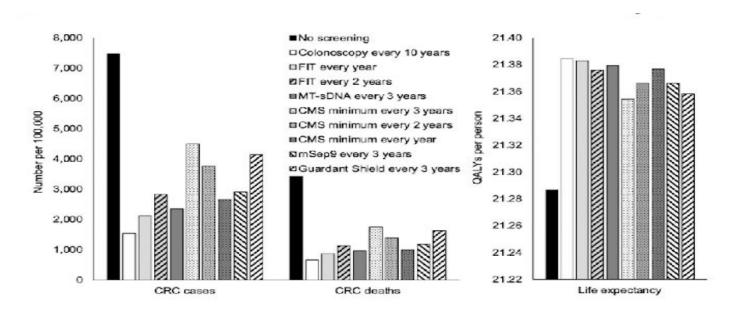




Technology-Related: blood based tests

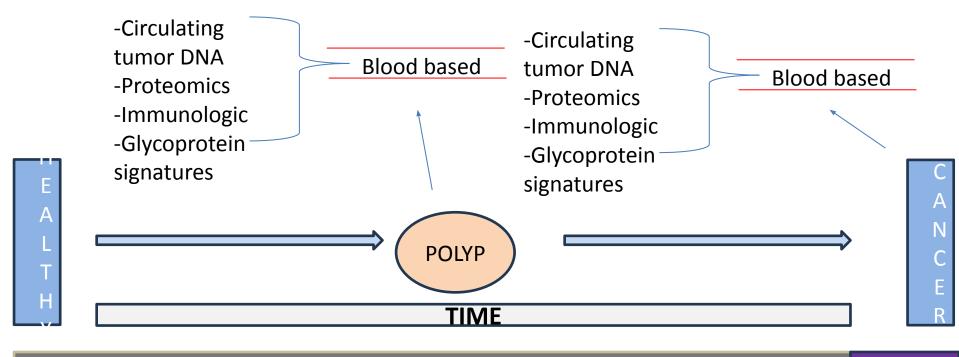


Technology-Related: blood based tests



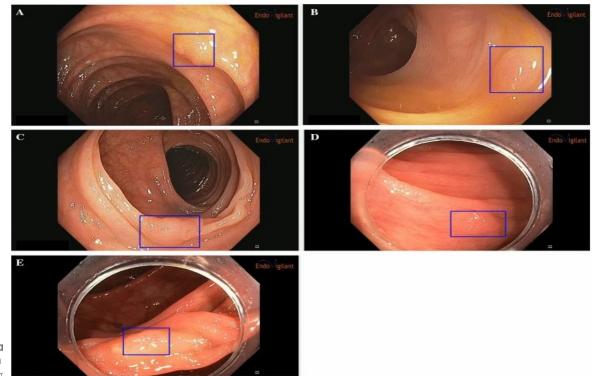


Circulating blood detection

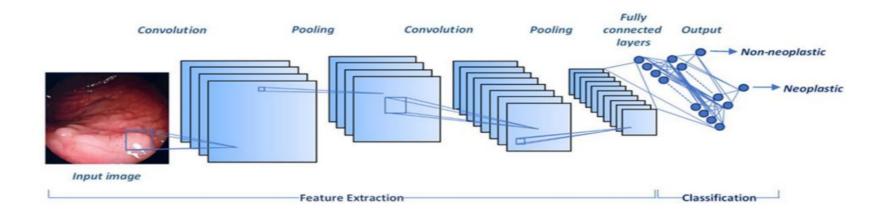


DETECT CRC

Technology-Related: Improving Colonoscopy through Al



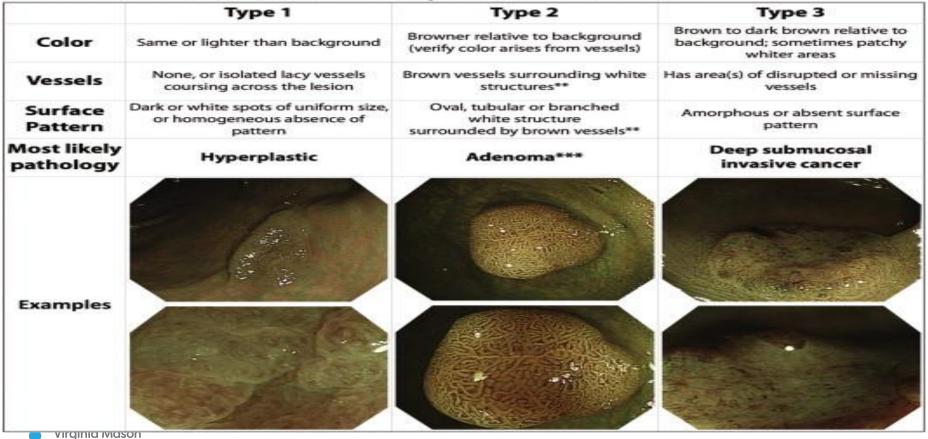
Technology-Related: Improving Colonoscopy through Al





NBI International Colorectal Endoscopic (NICE) Classification*

Franciscan Health



Hayashi, et al. GIE. 2013 Oct;78(4):625-32

The Workgroup on serrAted polypS and Polyposis (WASP) SSP vs HP

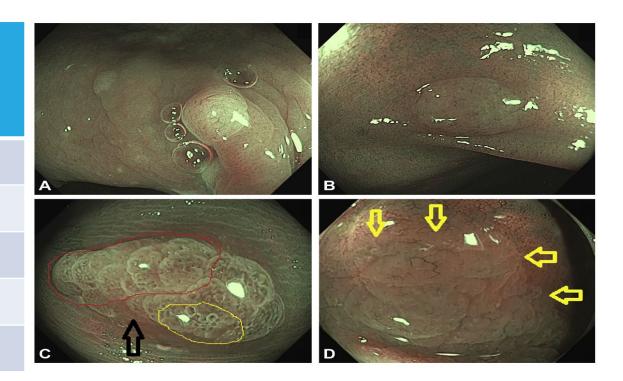
Irregular surface

Indistinct edges

Cloud-like surface

Large open pits

Dark spots, brown vessels

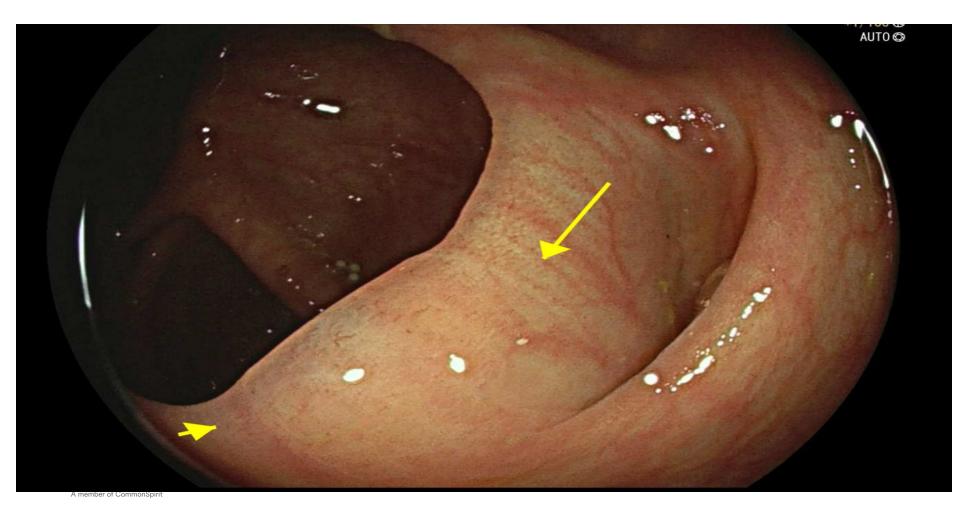




Physician-Related

- Quality Metrics
 - Withdrawal Time (≥ 8mins)
 - Cecal Intubation Rate (≥ 95%)
 - Bowel Preparation
 - Adenoma Detection Rate (≥ 25% 35%; M ≥ 30% 40%, F ≥ 20% 30%)
 - Mean ADR in the US 38%





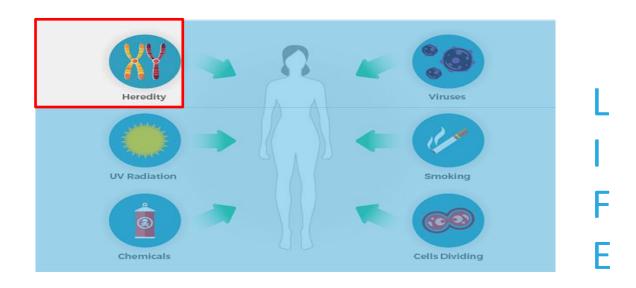
High-Risk Patients





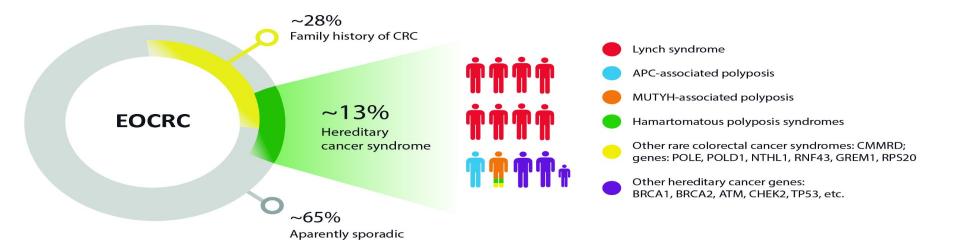


Cancer is a Genetic Disease

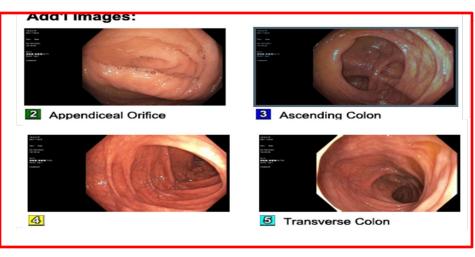


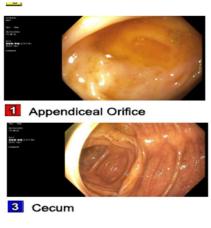


Early-Onset CRC (< 45yo)





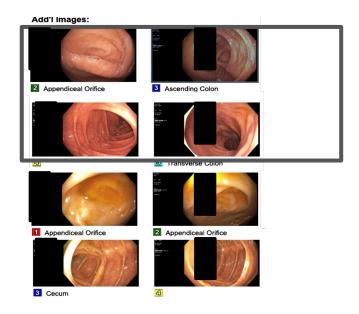








Organs Affected



Lynch Syndrome

Colon cancer

10-74%

•Endometrial cancer 14-71%

•Stomach cancer 0.2-13%

Average risk

Colon cancer

4.5%

•Endometrial cancer

2.7%

•Stomach cancer <1%

4-20%

Urinary tract cancer

Ovarian cancer

0.2-25%

•Small bowel cancer

0.4-12%

•Ovarian cancer 1.6%

•Urinary tract cancer <1%

•Small bowel cancer <1%



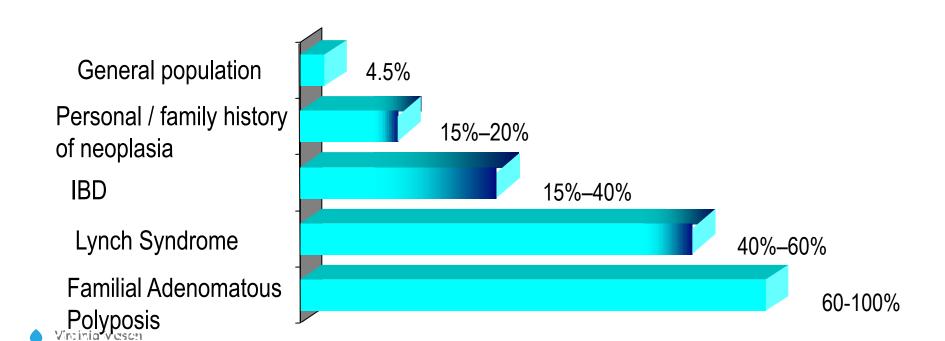
Prevalence by Cancer Type

Cancer type	Prevalence of hereditary cancer syndromes
Epithelial ovarian/fallopian tube	18.1-23.6%
Breast cancer Stage I-III Triple negative	9.3% 10.7% 14.1-14.6%
Colorectal Age <50	9.9% 16.0-18.3%
Endometrial	9.2%
Pancreatic	3.8-19.5%
Prostate (metastatic)	11.8%



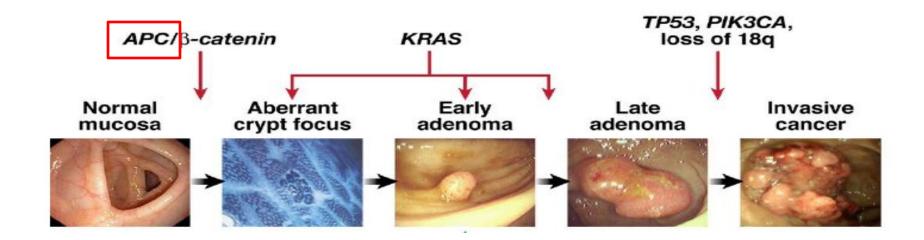


Lifetime CRC Risk



A member of CommonSpirit

Familial Adenomatous Polyposis





Organs affected & cancer risks

Familial adenomatous polyposis

- Osteomas (50-90%)
- CHRPE (70-80%)
- Supernumerary teeth (11-27%)
- **Thyroid carcinoma (2-17%)
- **Hepatoblastoma (<2%)
- **Gastric cancer (1.6%)
- Duodenal cancer (12%)
- Desmoid tumors (15%)
- Colon cancer (93%)
- Adrenal adenoma (7-13%)

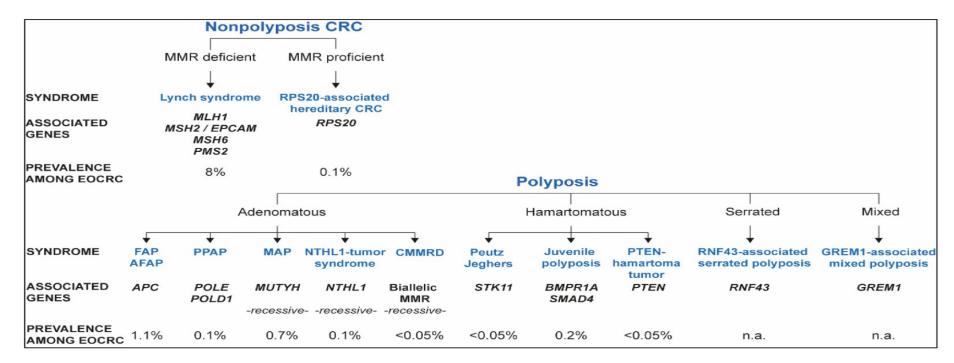


A member of CommonSpirit O Lipoma, fibroma,

sebaceous cysts



Hereditary Cancer Syndromes





When to suspect one

- Early onset of cancer
- CRC with abnormal immunohistochemistry/MSI
- Many polyps
 - ≥ 10-20 tubular adenomas
 - ≥ 5 serrated polyps
- Polyps with unusual pathology
 - E.g. hamartomas
- •Virgivitation cancers (same person or same side of family)
 - Many generations affected

Colon Phenotypes

- Classic (>100 adenomas)
- Attenuated (10-100 adenomas)
- Profuse (>5000 adenomas)







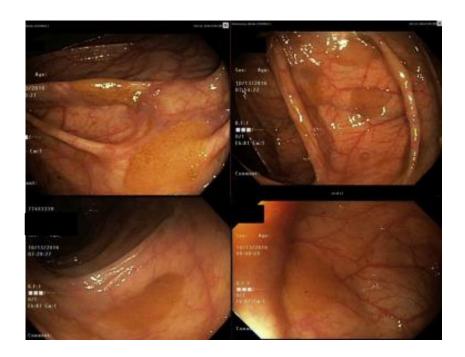




• Tubular adenomas including some with high grade dysplasia



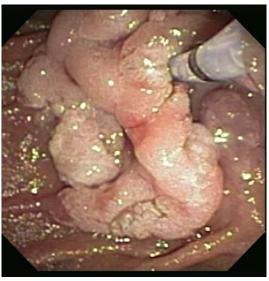
Serrated polyposis syndrome





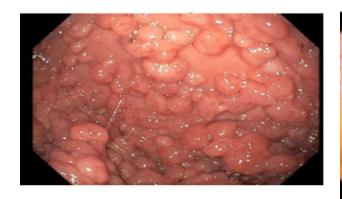
FAP - Duodenum



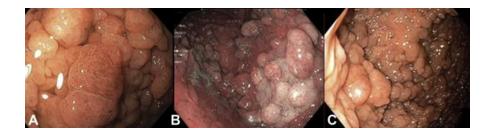




FAP - Stomach









General Principles of Surveillance

- Number of polyps
- Types of polyps
- Organs affected
- Cancer risks

- Cancer Surveillance Plan
- GI Endoscopy plan
 - age to start
 - frequency
- Surgery options
- Other screening tests to offer
- Medications to use



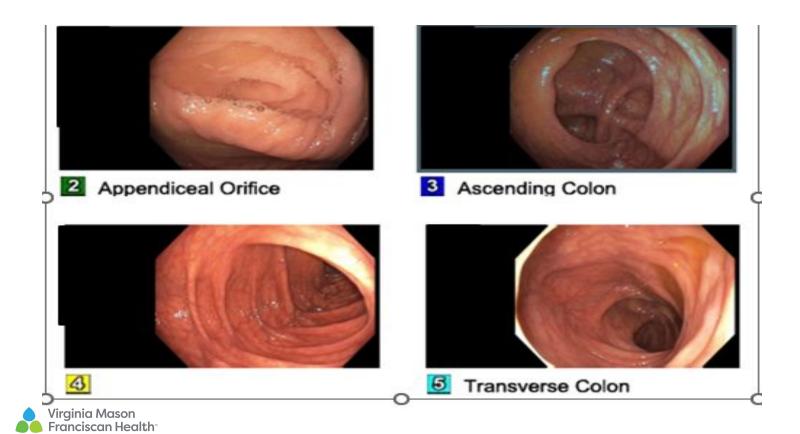
Management Principles

- Decrease cancer incidence & mortality
 - Surgery
 - Medication
 - Endoscopy
 - Surveillance
- Improve quality of life
- Educate family





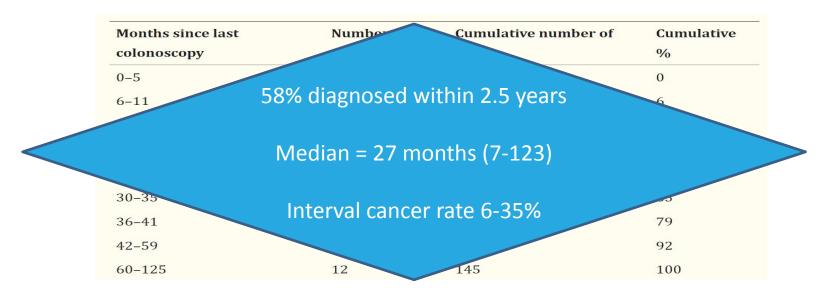




A member of CommonSpirit

51

Time from last colonoscopy to CRC





Moller et al. Gut. Mar; 66(3): 464–472 Ahadova et al. Int J Cancer. 2021 Feb 15;148(4):800-811

Number & Types of polyps

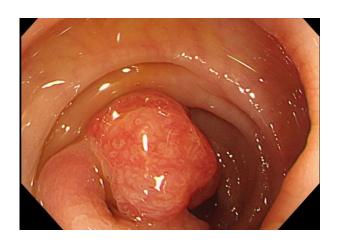


Familial adenomatous polyposis





Lynch syndrome (upto 74%)



Peutz-Jeghers (68%)

53

Management principles

- Decrease cancer incidence and mortality
 - surgery
 - medication
 - endoscopy
 - cancer screening & surveillance
- Improve quality of life
- Educate family



Program for Gastrointestinal Cancer Prevention

Multidisciplinary healthcare team focused on the early detection and management of gastrointestinal cancers in at-risk individuals and families



Services

- Genetic testing
 - Cascade testing
- Quarterback all cancer surveillance
 - GI
 - Non-GI
- Chemoprophylaxis
- Clinical Trials



Thank You

Gautam.Mankaney@commonspirit.org

Glcancerpreventionprogram@commonspirit.org



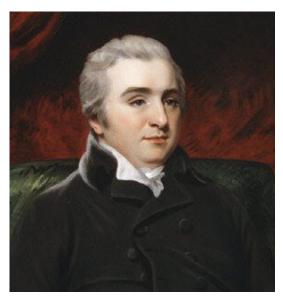
Contemporary Management of Inflammatory Bowel Disease (IBD): What Do I Treat and What Do I Send?

James Lord, MD, PhD Benaroya Research Institute



INFLAMMATORY BOWEL DISEASE (IBD)

Ulcerative Colitis (UC)



Maybe described by by Matthew Baillie in *Morbid Anatomy*, 1793?

Crohn's Disease (CD)

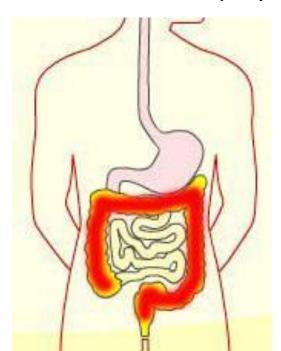


Described by Burrill Crohn et al, 1932, Mt Sinai Hospital, NYC

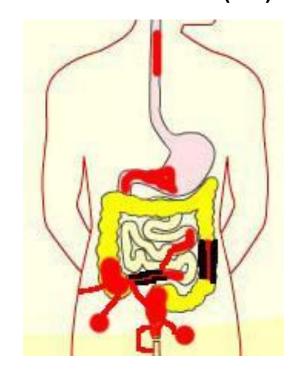


INFLAMMATORY BOWEL DISEASE (IBD)

Ulcerative Colitis (UC)



Crohn's Disease (CD)

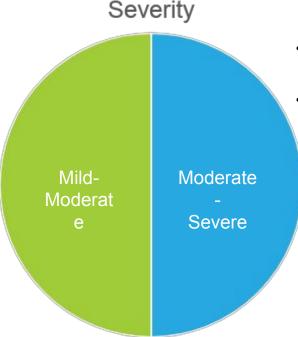




Ulcerative Colitis

Can induce remission with steroids (≤annual)

- Ideally budesonide 9 mg tabs (6 mos OK)
- Rectal steroids
- Prednisone (<1 mo)
- Can induce/maintain remission with 5'aminosalicylates
 - Mesalamine
 - Oral
 - Rectal
 - Budesonide
 - Sulfasalazine



- Requiring systemic steroids
 >annually or >1 mo for induction
- Need advanced therapy for maintenance
 - Biologics
 - Vedolizumab
 - Anti-IL-23
 - Anti-TNF
 - Oral agents
 - Thiopurines
 - JAKinibs
 - S1PR agonists



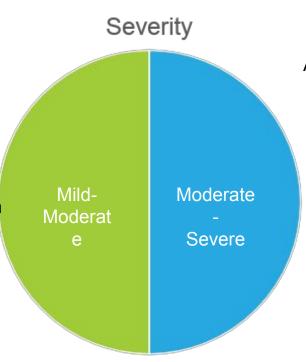
A member of CommonSpirit

Ulcerative Colitis

5'ASA's are comparatively inexpensive, harmless

 Can almost be managed by PCP alone
 Need GI for disease activity assessment, IBD-specific health

- CRC screening (>10 yrs)
- Disease-specific health maint reccs



Advanced therapies require specialists

- \$\$\$\subseteq Complex / laborious insurance preauthorizations
- Complex therapeutic drug monitoring algorithms
- Pre-treatment screening requirements
- On-treatment monitoring requirements
- Rapidly changing treatment options / recommendations

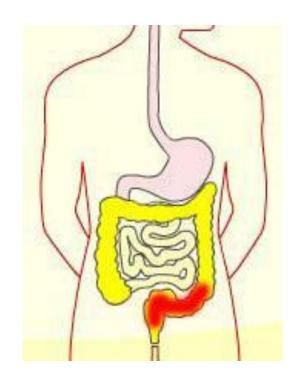


maint. Reccs

A member of CommonSpirit

UC Case 1

- 25 yr old male with no PMH
- 1 month of bloody diarrhea 3x/day
- Urgency but no incontinence
- Nocturnal stooling 1–2×/wk
- Colonoscopy shows red, edematous distal colon without ulceration
- Biopsies consistent with UC
- CRP is 18
- CBC & CMP normal



Treat or refer?



Treatment options for mild UC

- For any mild UC
 - Oral 5'aminosalicylates (5'ASA) (indefinite)
 - Mesalamine (cheap)
 - Balsalazide (cheaper)
 - Sulfasalazine (cheapest)
 - Oral budesonide (temporary, <6 mos)
 - 9mg tabs are built to release in colon for UC (but often not covered)
 - 3 mg tabs (x3) are built to release in the small bowel for Crohn's
- For left-sided UC only (rectum, sigmoid, +/- descending colon)
 - Mesalamine enemas (more effective than steroid enemas)
- For proctitis (rectum) only
 - Mesalamine suppositories



UC Case 2

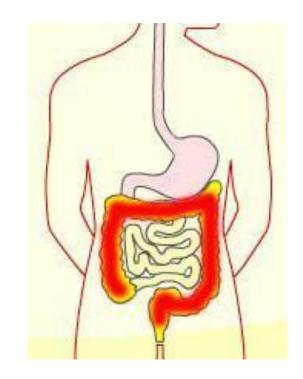
30 year old female with left-sided UC diagnosed 2 yrs ago, on mesalamine

2 months of progressive bloody diarrhea, now 8x a day, 1x/night

Colonoscopy now shows erythema, edema, adherent mucous, shallow ulcers throughout colon (pancolitis)

Hct 31, MCV 77, CRP 32, Alb 3.1

Otherwise normal CBC, CMP





Treat or refer?

Treatment options for moderate UC (old)

- Systemic steroids (prednisone): only a "bridge" therapy
 - Taper pt off over 1-2 mos, if not faster
 - Too toxic for long term use
 - Might recover 5'ASA-responsive UC, but usually not
- Thiopurines (azathioprine, 6-mercaptopurine)
 - Very slow (mos) to reach steady-state/benefit
 - Avoid if history of pancreatitis, non-melanoma skin cancer, EBV lymphoma, HPV
 - Check TPMT (and if Asian, NUDT15) to optimize 1st dose, exclude rare homozygote null
 - Can optimize dose with metabolite (6-TGN, 6-MMPN) monitoring
 - Now rarely used as primary monotherapy (less safe/effective than newer agents)
 - Require close lab monitoring due to liver/hematologic risk



Treatment options for moderate UC (new)

- Biologics
 - Anti-Integrin (vedolizumab): Slow and safe, IV or SQ
 - Anti-IL-(12/)23 (ustekinumab, risankizumab, guselkumab, mirikizumab): Slow and safe,
 IV, then SQ
 - Anti-TNF (infliximab, adalimumab, golimumab): Slightly faster and less safe, immunogenic (beware anti-drug antibodies), IV or SQ
 - Can reduce immunogenicity with immunomodulators (thiopurine, methotrexate)
 - Use methotrexate with caution in fertile women
 - Fear of hepatosplenic T cell lymphoma with thiopurines in males <35yo
- Novel small molecule (oral) therapies
 - S1PR agonists (ozanimod, etrasimod): safe, but limited efficacy
 - JAK inhibitors (tofacitinib, upadacitinib): potent, VERY fast, less safe
 - Black box warning reserves use for anti-TNF failures





UC Case 3

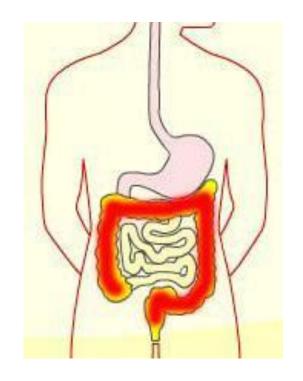
22 year old male with a preadolescent history of lymphoma

2 weeks of severe bloody diarrhea >20x/day, abd pain, fever, wt loss

CT and colonoscopy 1 wk ago show severe UC (pancolitis), no lymphoma, CMV, C. diff

Prednisone 40 mg PO QD for past wk having no effect on symptoms

Hct 18, MCV 82, CRP 110, Alb 2.2, AP 320, WBC 14, granulocytosis





Treat or refer?

Treatment Options for severe UC

Inpatient IV steroids (methylprednisolone)

If no improvement within 3-5 days, MUST do more:

Urgent ileostomy (+/- subtotal colectomy with eventual J-pouch)

IV Infliximab (at increased dose [10-20mg/kg])

Repeat in 1 wk if not improving

JAK inhibitor (upadacitinib more potent than tofacitinib)

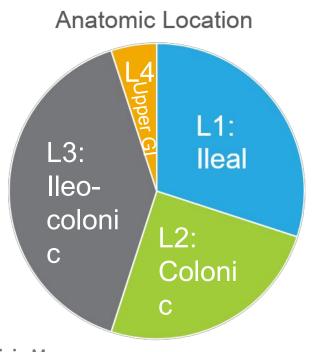
- Faster than infliximab
- Hard to get for inpatients
- Often denied for anti-TNF-naïve
 - Can appeal urgently for mitigating circumstances (disease acuity, h/o lymphoma?...)

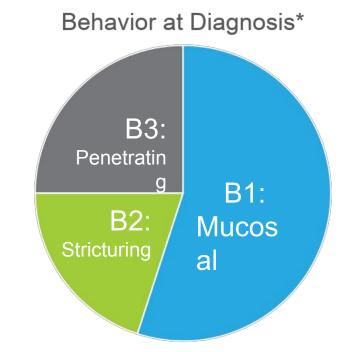
Calcineurin inhibitors (cyclosporine, tacrolimus)

Rarely ever used now due to toxicity, infection risk



Crohn's Disease: more heterogeneous than UC

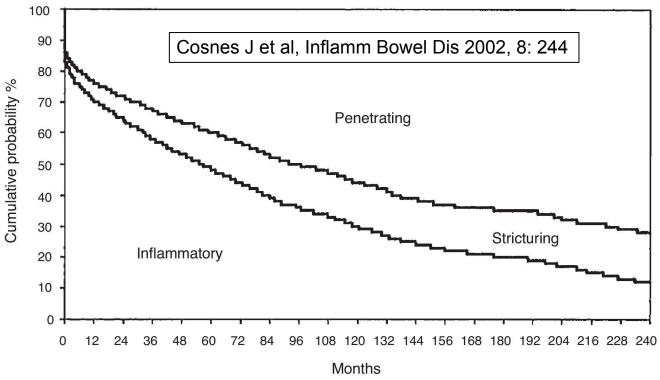








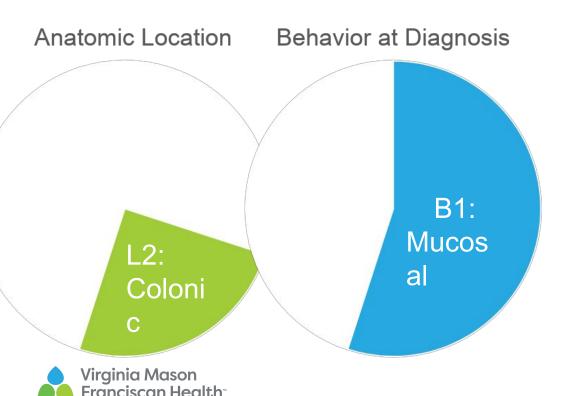
Crohn's disease behavior progresses over time





No evidence that existing therapies halt (or even slow) this progression

L2, B1 Crohn's can be managed like UC



A member of CommonSpirit

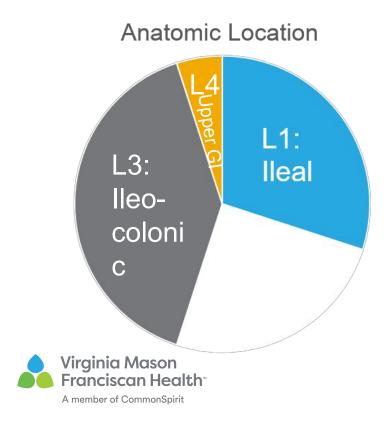
Mild:

- 5'aminosalicylates
- Episodic budesonide (9mg)

Moderate to Severe:

- Anti-integrin (vedolizumab)
- Anti-IL-(12/)23
- Anti-TNF + immunomodulator
- Janus kinase inhibitor

More proximal Crohn's has fewer options



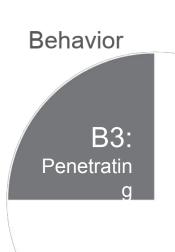
Mild:

- -5'aminosalicylates
- Episodic budesonide (3mg tabs)

Moderate to Severe:

- Anti-integrin (vedolizumab) ??
- Anti-IL-(12/)23
- Anti-TNF + immunomodulator
- Janus kinase inhibitor

B3: Penetrating Crohn's has even fewer effective treatment options



Mild:

- 5'aminosalicylates
- Episodie budesonide

Moderate to Severe:

- Anti-integrin (vedolizumab)
- Anti-IL-(12/)23 ??
- Anti-TNF + immunomodulator
- Janus kinase inhibitor

B2: Stricturing Crohn's has no effective pharmaceutical treatment

options

Behavior

B2: Stricturing

Mild:

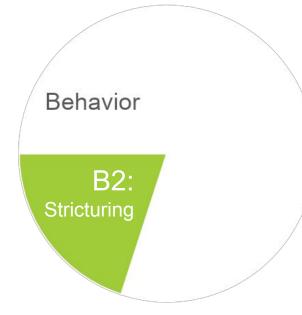
- 5'aminosalicylates
- Episodie budesonide

Moderate to Severe:

- Anti-integrin (vedolizumab)
- Anti-IL-(12/)23
- -Anti-TNF + immunomodulator
- Janus kinase inhibitor



B2: Stricturing Crohn's is currently managed mechanically



Strictures < 5cm, without fistulas:

Endoscopic balloon dilation

Strictures >5cm or with fistulas:

- Surgical resection
- Surgical bypass
- Stricturoplasty



Crohn's case 1:

50 yr old man with ileal aphthae and granulomas found on screening colonoscopy

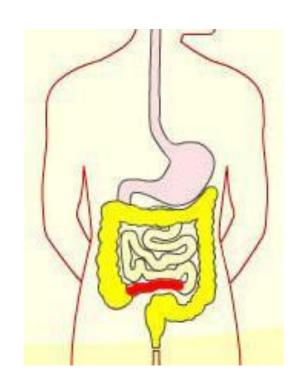
Insists he never uses NSAIDs

No symptoms

Normal CBC, CMP, CRP

What should be done?





NOTHING

- There are no good long-term treatments for asymptomatic mild ileal Crohn's disease
- If patient endorsed any symptoms, a limited course of ileal-release (3 mg tabs) budesonide could be used to see if there is any improvement, to warrant long-term treatment
- Otherwise, it is reasonable to watch and wait for any progression



Crohn's case 2:

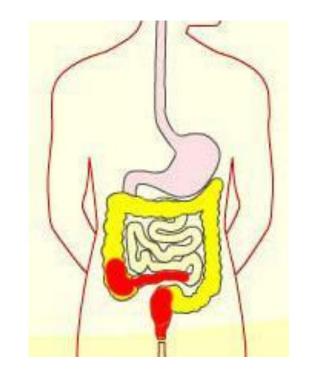
32 yo woman with abdominal pain, urgency (tenesmus) and non-bloody diarrhea 3x/day x 3 wks

Colonoscopy/biopsy shows patchy aphthous, granulomatous inflammation in colon and ileum

No fistulas or strictures on CT enterography

Hct 35, MCV 80, CRP 11

Otherwise normal CBC, CMP





What should be done?

Treatment for mild but symptomatic Crohn's

5' aminosalicylates (PO +/- PR) might help colonic mucosal Crohn's

- Can monitor efficacy on colon (L>R) via fecal calprotecting
- No demonstrable 5'ASA benefit for ileal disease
- But colon (esp rectum) may be primary source of symptoms

If symptoms persist, trial of ileal release budesonide tabs to see if symptoms are responsive and hence inflammatory

If so, biologic therapy may be justified

- Anti-IL-(12/)23 (ustekinumab, risankizumab, guselkumab, mirikizumab)
- Anti-TNF (infliximab, adalimumab, certolizumab pegol)
- Anti-integrin (vedolizumab)



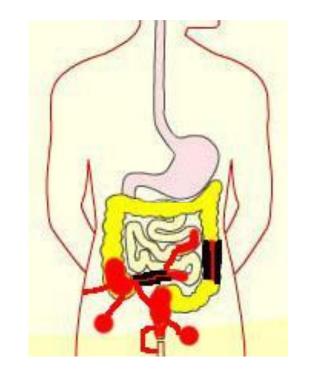
Crohn's Case 3:

48 yr old man with 12 yr h/o Crohn's presents with N/V, abdominal pain and fever of 38

Was previously on anti-TNF + azathioprine, vedolizumab, now on risankizumab + methotrexate

Was in ER 2 wks ago, Rx'd 40 mg/d prednisone, has been on this since w/ no improvement

CT shows ileocolitis, multiple strictures, partial obstruction, fistulas, intra-abdominal and perianal abscesses





Treat or refer?

Treatment of complex Crohn's

Fistulas, strictures, and treatment-refractory Crohn's are best managed by a well-coordinated multidisciplinary team:

Colorectal surgeons

- Fistulotomies/setons
- Diverting stoma
- Resections/stricturoplasty

Interventional radiologists

Percutaneous drainage

Therapeutic endoscopists

- Deep enteroscopy (double-balloon)
- Balloon dilations

Gastroenterologists with IBD experience and resources

- Advanced/combination therapies (insurance appeals)
- Clinical trials



Summary:

- UC and colonic Crohn's without strictures/fistulas can be simple to manage
 - If 5' aminosalicylates (mesalamine, etc) are adequate
 - If short steroid courses are rare (<annual)
- More advanced therapies might need extra resources
 - Infusion centers for IV medications
 - Extra staff for insurance pre/reauthorizations and appeals, copay assistance
 - Specialty pharmacists for navigating and educating readvanced therapies
- Severe/complex IBD is very difficult to manage without a multidisciplinary team
 - Colorectal surgeons
 - Specialized (interventional) radiologists
 - Therapeutic endoscopists
 - Clinical trials unit



A member of CommonSpirit

Doing better for our Patients: Taking Robotic-Assisted Surgery for Colorectal Disease to the Next Level

Vlad V. Simianu, MD, MPH
Medical Director, Colon and Rectal Disorders, Center for Digestive Health
November 15, 2025



Disclosures

- Grant support from Digestive Disease Institute at Virginia Mason,
 Robert and Helen Hitchman Charitable Trust
- Medical Director, Clinical Trials Program, Benaroya Research Institute
- Associate Medical Director, Colorectal Surgery, Surgical Care Outcomes Assessment Program (SCOAP)
- BD Advisory Board
- Consultant for C-SATS, Inc.
- Education, travel support from Intuitive Surgical, Inc.



Why this conversation matters

Concerning trends in increasing complexity:

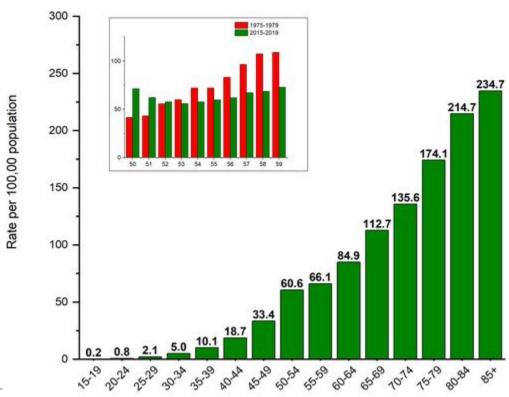
- Rising incidence of colon and rectal cancer, diverticulitis, IBD
- Aging population, more obesity
- Pressure for better outcomes (LOS, SSI), patient outcomes (function, QOL, etc)
- Case 1 colorectal cancer
- Case 2 diverticulitis
- Case 3 inflammatory bowel disease

Colorectal cancer



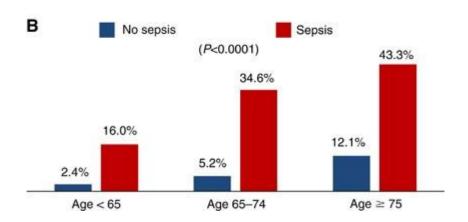
A member of CommonSpirit

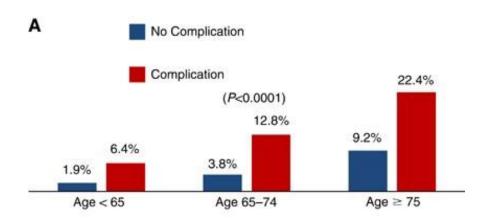
Why this conversation matters





Why this conversation matters

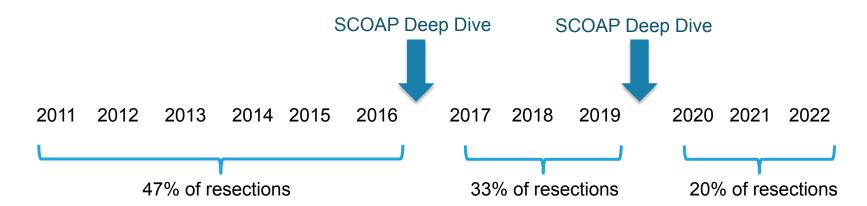






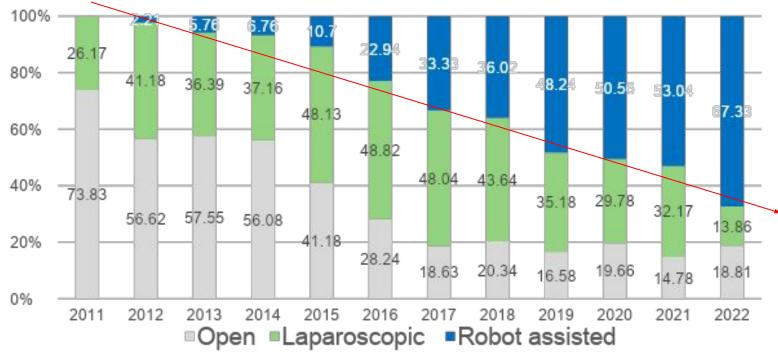
Case example - Rectal Cancer Surgery

Surgical Care Outcomes Assessment Program
19 institutions participated for duration of the study period
Range 9 to 322 resections - 1,962 total resections





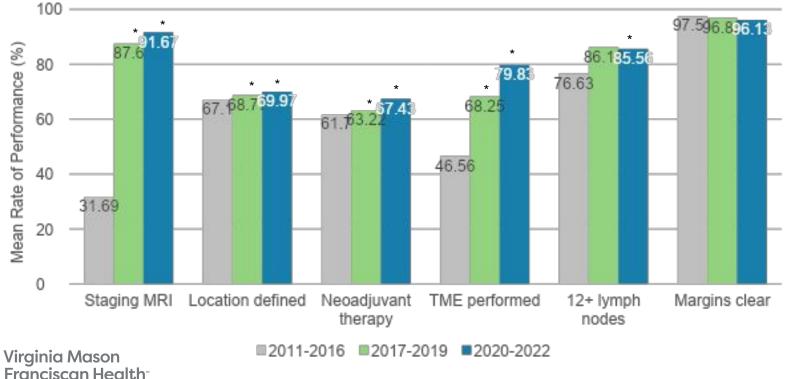
The Evolution of Surgical Approach





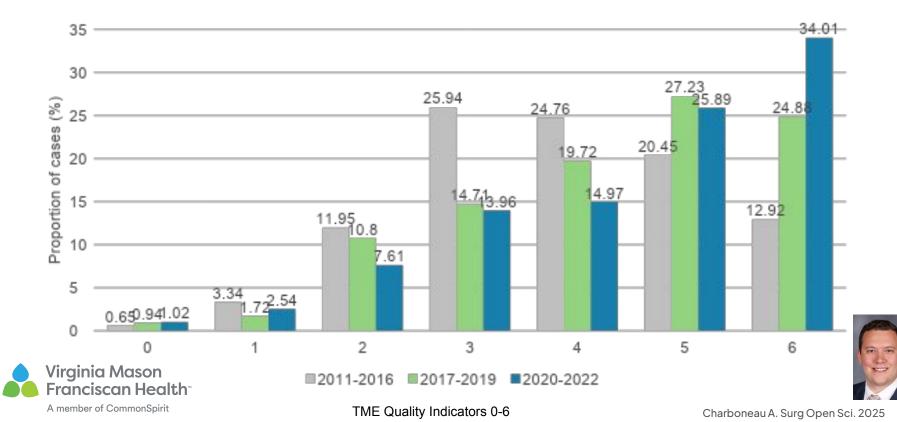


Results – increasing high quality surgery

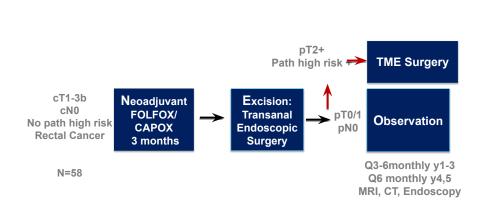


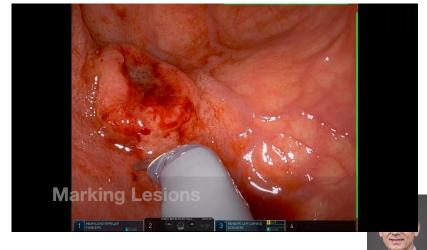


Results



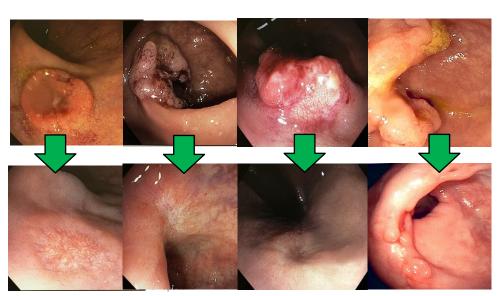
Neoadjuvant Chemotherapy, Excision, and Observation for Early Rectal Cancer: The Phase II NEO Trial (CCTG CO.28) Primary End Point Results

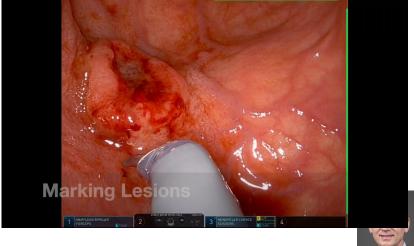




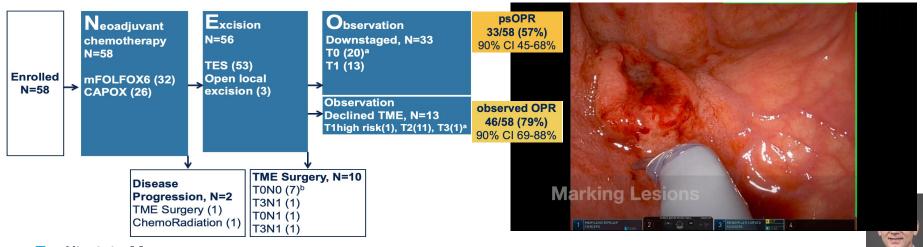


Neoadjuvant Chemotherapy, Excision, and Observation for Early Rectal Cancer: The Phase II NEO Trial (CCTG CO.28) Primary End Point Results

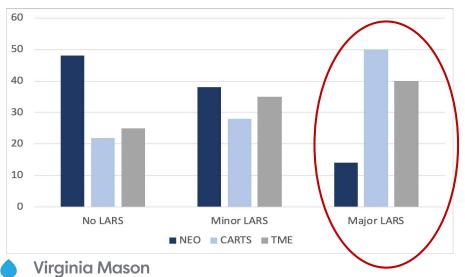


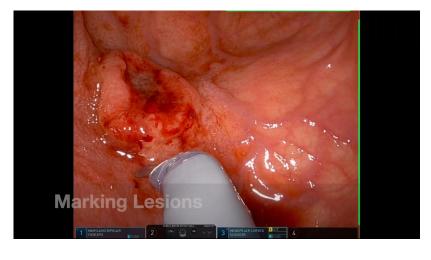


Neoadjuvant Chemotherapy, Excision, and Observation for Early Rectal Cancer: The Phase II NEO Trial (CCTG CO.28) Primary End Point Results



Neoadjuvant Chemotherapy, Excision, and Observation for Early Rectal Cancer: The Phase II NEO Trial (CCTG CO.28) Primary End Point Results

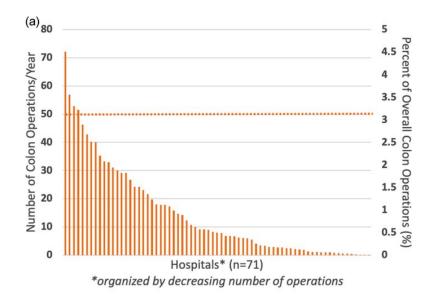


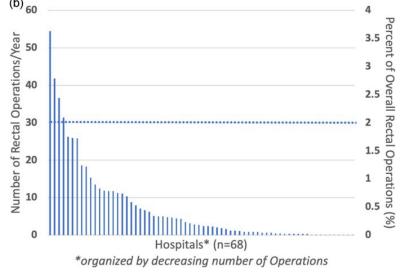




CARTS: Stijns JAMA 2019 TME: Al Said Dis Colon Rectum 2020 Kennecke HF. J Clin Oncol. 2023

Challenge: who should care for rectal cancer?









Diverticulitis

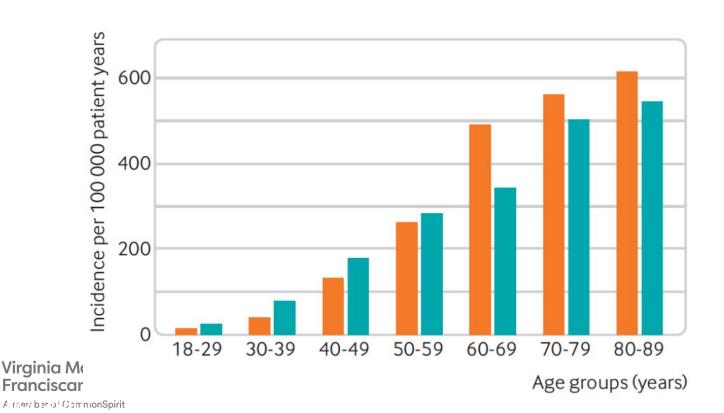


A member of CommonSpirit

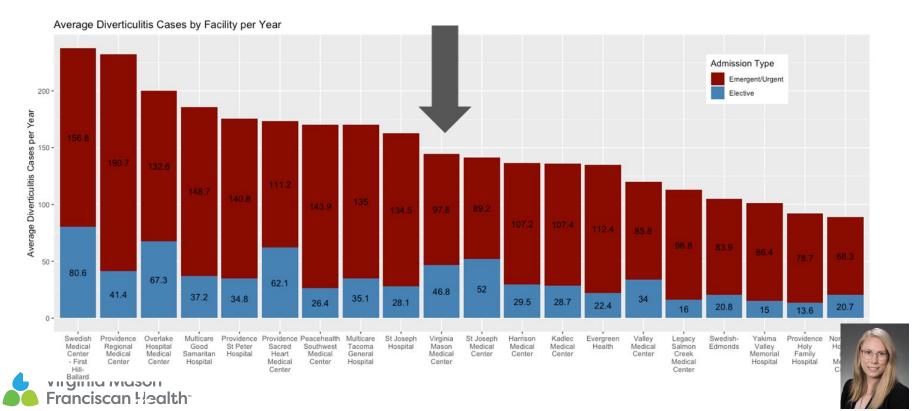
- 50% of patients over age 60 have diverticulosis at colonoscopy
- Diverticulitis **209** per **100k** person-years
- Hospitalization 49 per 100k person-years (perforation 2.7 per 100k person-years)
- Surgery for diverticulitis **8** per **100k** person-years
- Emergent surgery 2 per 100k person-years
- Death related to diverticulitis **0.9** per **100k** person-years
- Colorectal Cancer in WA 40/100k person-years (mortality 10/100k person-years)
- IBD in North America **20/100k** person-years



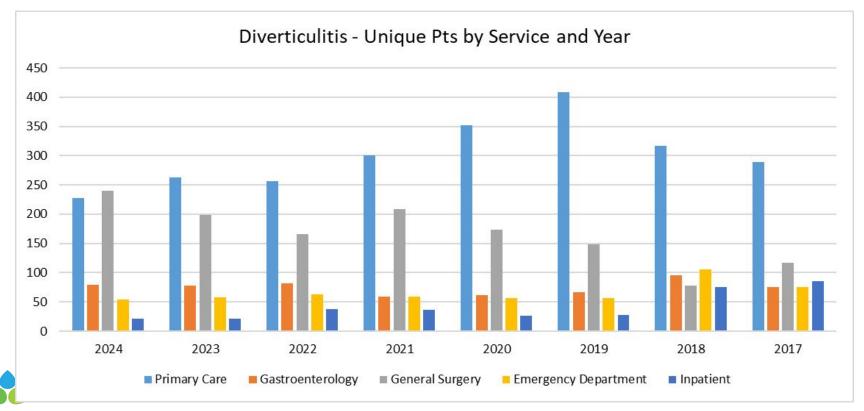
More men when young, more women when older



~12 hospitalizations / day in WA



Unique Diverticulitis Patients at Virginia Mason



Complicated Diverticulitis

- Uncontained, free perforation
- Fistula
- Stricture
- Obstruction
- And as of 2020.... abscess

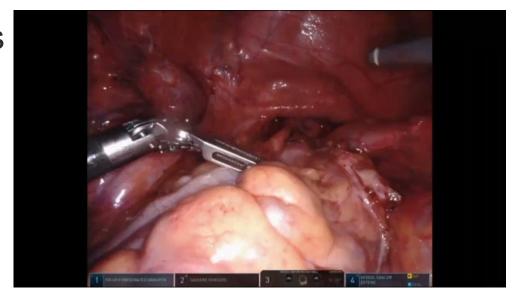




Complicated Diverticulitis

- **7.9%** cancer on Colonoscopy
- **5%** need Emergency Surgery
- 30% have complicated recurrence or admission
- **50%** need surgery within 6 months

<u>Updated colonoscopy</u> and <u>surgical resection</u> typically recommended





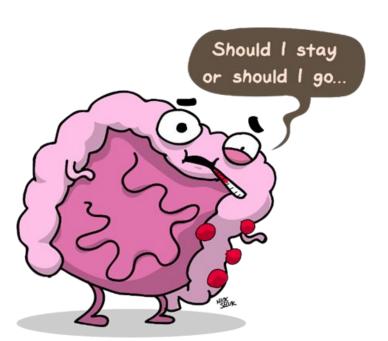
Uncomplicated? Anything not 'complicated'

- 1.3% adenoma or CA on Colonoscopy
- **5%** develop complicated diverticulitis
- **6%** have smoldering symptoms
- 15% have a recurrent episode
- 45% ongoing GI symptoms

Recommendation for colonoscopy and surgery are <u>individualized</u>







DIRECT trial (RCT)

- Colectomy vs non-operative management
- QOL better at 5 years
- Healthcare costs better at 5 years
- 46% of conservative eventually operation

We see this in our practice

- 12,073 pts with 2+ episodes of diverticulitis
- At 1 year, recurrence after surgery 6% (vs 32%)
- At 5 years, recurrence after surgery 15% (vs 61%)

LASER trial (RCT)

- Higher GI QLI scores with surgery
- 5% recurrence after surgery, 31% after med mgnt





Health-related quality of life and functional disorders after diverticular surgery

Daniel Segna¹, Paul J. Jaklin, Beat Schnüriger, and Benjamin Misselwitz

Ther Adv Gastroenterol

2021, Vol. 14: 1-18

DOI: 10.1177/ 17562848211066437

© The Author(s), 2021. Article reuse guidelines: sagepub.com/journalspermissions

- 9 out of 10 longitudinal cohort studies showed increase HRQoL
- In RCT and retrospective cohort, elective surgery superior to conservative treatment regarding HRQoL
- Pts report satisfaction with choice for surgery as "high" or "very good"

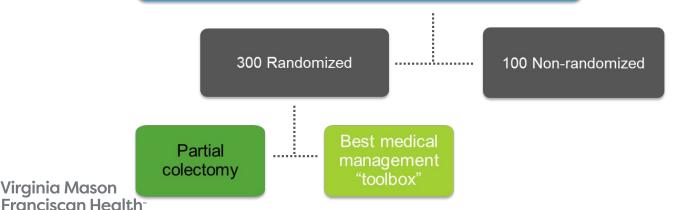




Comparison of Surgery and Medicine on the Impact of Diverticulitis

Patients with QoL-limiting diverticular disease:

- Recurrent/asymptomatic or symptomatic after resolution
- Surgeon deems reasonable for partial colectomy
- CT-proven episode within 5 years



Virginia Mason

COSMID Sites: 26 active



UC San Francisco

Stanford

- LBJ Medie
- Virginia C
- UT South
- Universit
- Atrium H
- Medical t
- Universit

Northeast

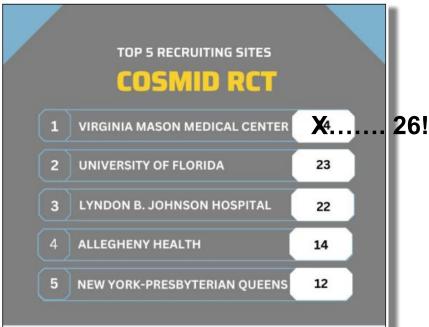
- Columbia
- Universit
- Alleghen
- Boston N
- NY Presh
- Rocheste
- Lahey Cli
- Weill Cor

West:

- University of Washington
- Northwest Hospital
- Virginia Mason Med Center
- University of Utah
- U Colorado Denver

Midwest:

- Rush University Med Center
- Mount Carmel Health System
- University of Iowa
- Northwestern



We've seen 3 enrollments over the last month, and with the latest randomization, Virginia Mason retakes the first place spot, with 24 participants enrolled in the RCT!

Many thanks to all of you for your hard work in helping us reach our recruitment goals. We are so close!



A member of CommonSpirit

Inflammatory Bowel Disease

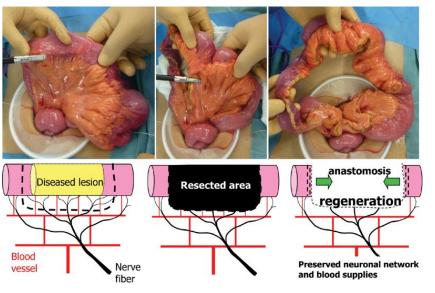


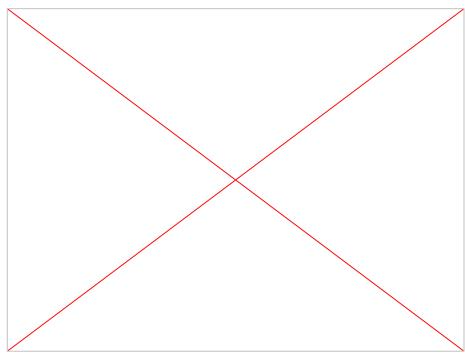
111

Surgical Management of Crohn's Disease

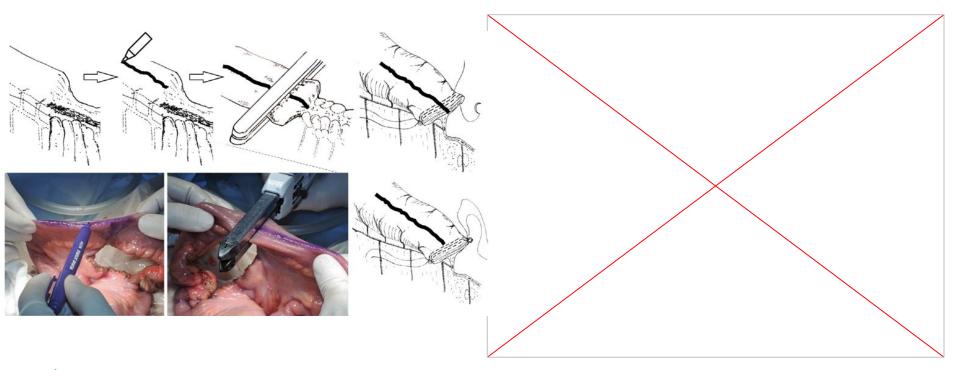


- Up to 47% patients with medically refractory
 Crohn's disease undergo surgery
- While surgery is helpful, recurrence & repeat resection is common (35%)
- Kono-S anastomosis: antimesenteric, functional end-to-end anastomosis with wide lumen and supporting column
- Lower rate of recurrence (22% Kono-S vs 63% conventional)

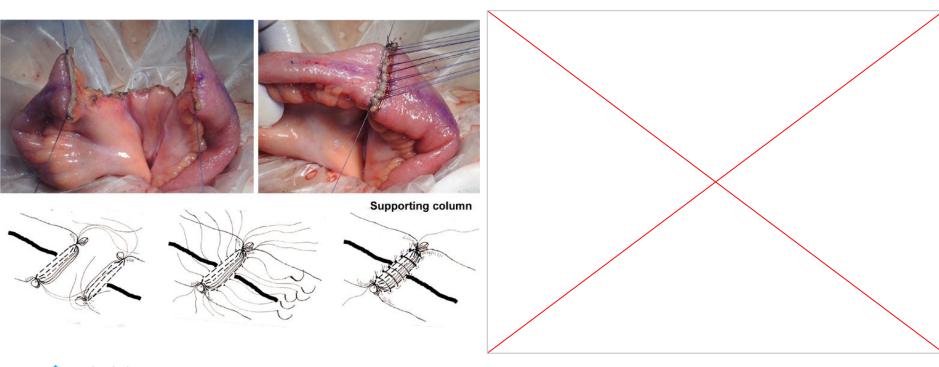




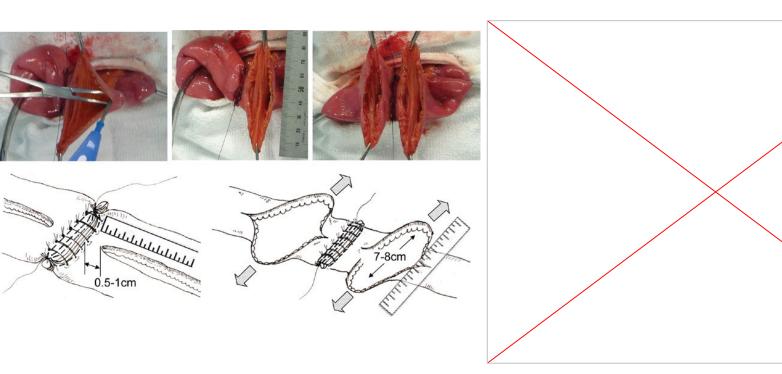




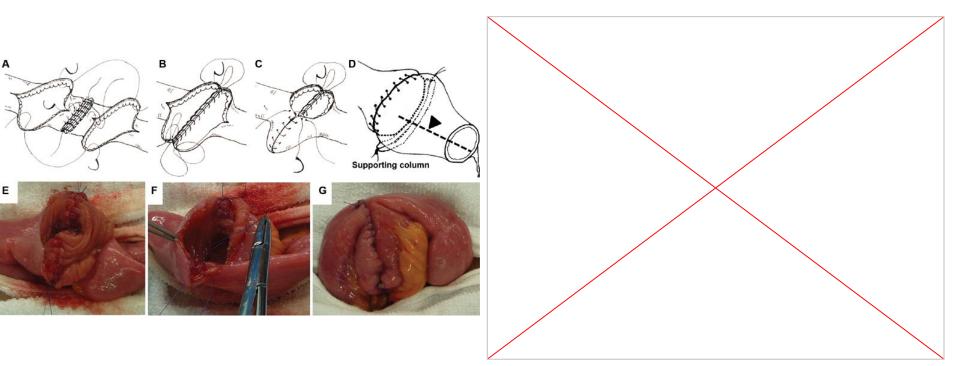








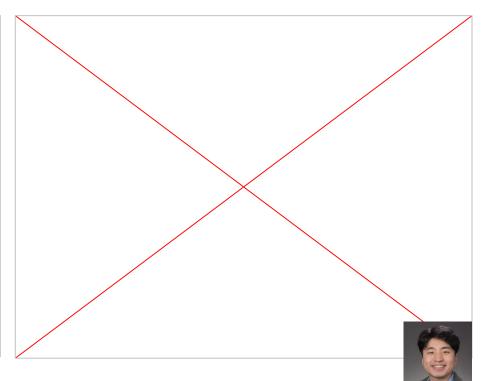






62 patients (mean age 45 years, +/- 17), 55% female

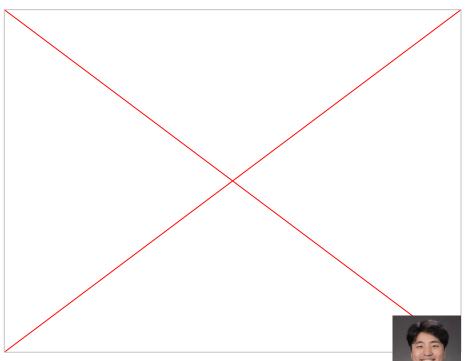
	Intracorporeal Anastomosis (n = 8, 13%)	Extracorporeal Anastomosis (n = 54, 87%)	
Female	62.5%	53.7%	p = 0.64
BMI > 30 kg/m ²	33%	8%	p = 0.97
ASA > 3	15%	25.9%	p = 0.41
Charlson Comorbidity Index > 3	0%	9.3%	p = 0.84
Medications	87.5%	90.7%	p = 0.77



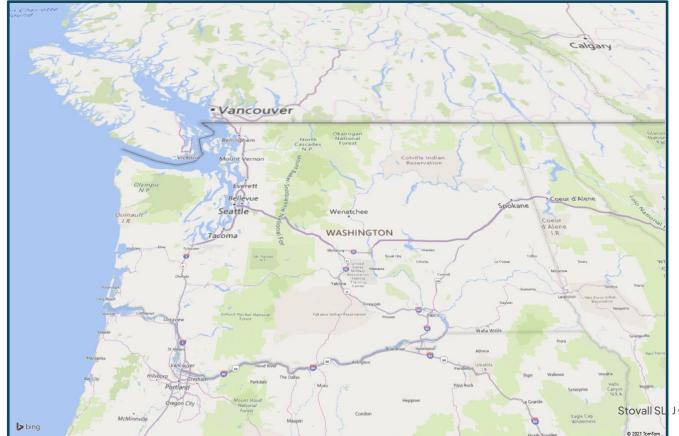


62 patients (mean age 45 years, +/- 17), 55% female

	Intracorporeal Anastomosis (n = 8, 13%)	Extracorporeal Anastomosis (n = 54, 87%)	
Operative Time (min)	180	215	p = 0.09
Length of Stay (days)	1.4	3.2	p = 0.02
In-hospital Complication	0%	5.6%	p = 0.49
Readmission	0%	5.6%	p = 0.49
Clinical Recurrence	0%	1.9%	p = 0.72
Endoscopic Recurrence	0%	2.4%	p = 0.70

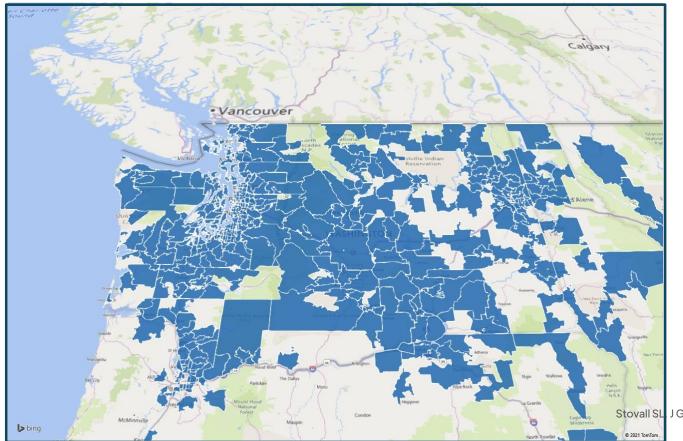






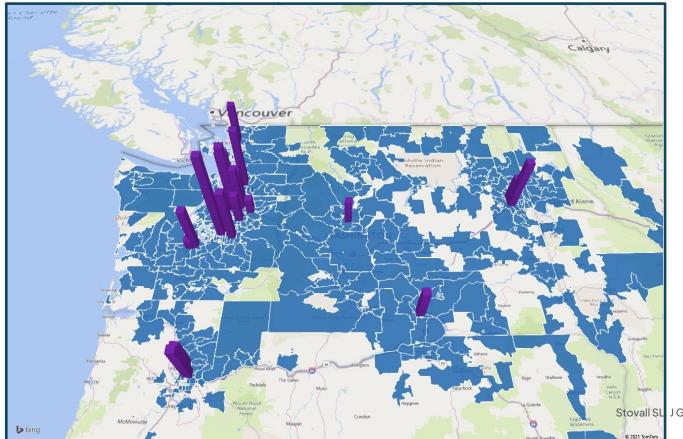


Stovall SL. J Gastrointest Surg. 2023



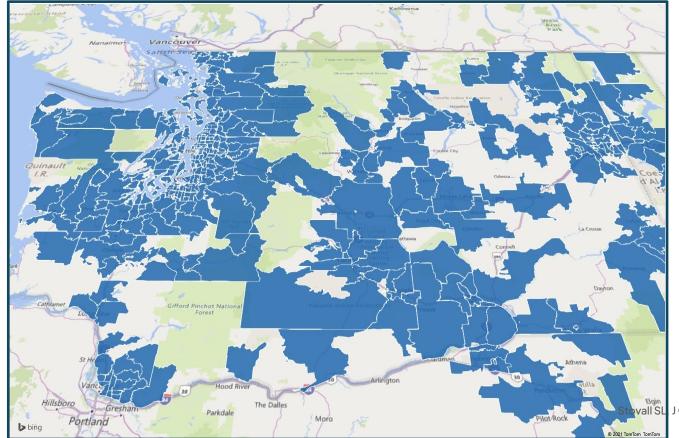


Stovall SL. J Gastrointest Surg. 2023



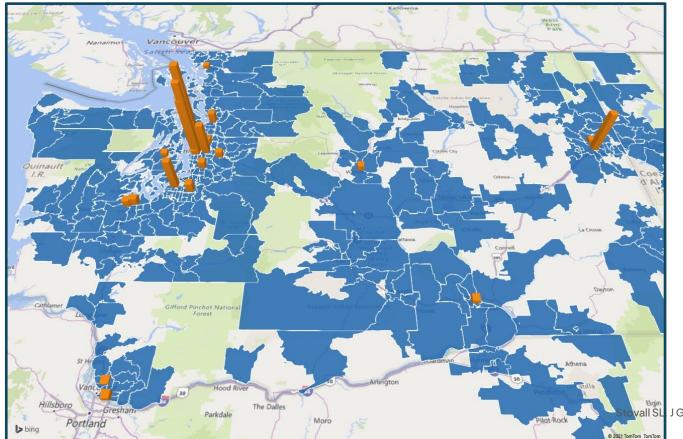


Stovall SL. J Gastrointest Surg. 2023





vall SL. J Gastrointest Surg. 2023





tovall SL J Gastrointest Surg. 2023

Takeaway points



A member of CommonSpirit

Takeaway points

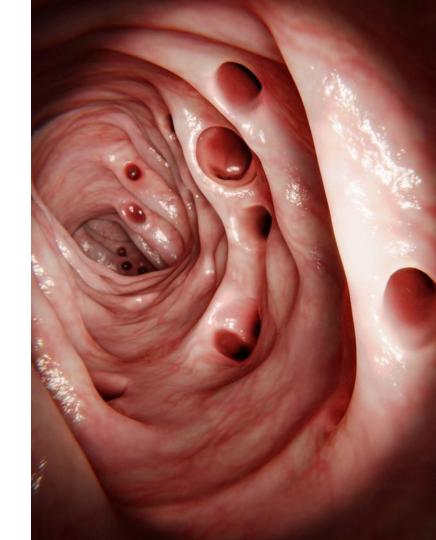
Colorectal pathology is increasing, and increasingly complex

Robotics is a minimally-invasive surgery enabler

Challenges ahead:

- Appropriate patient selection
- Regionalization of care
- Continued outcomes evaluation





Thank you



Question & Answer

Live Audience: Please raise your hand and a mic will come to you.

Virtual Attendees: Please click on the Q&A button to enter your question.



Lunch and Exhibits

