TOPIC INFO – 1ST DRAFT

TOPIC:	MANAGING INFLAMMATORY BOWEL DISEASE IN THE ERA OF PERSONALIZED MEDICINE
SPEAKER:	TIMOTHY L. ZISMAN, MD, MPH
TITLE:	GASTROENTEROLOGIST
AFFILIATION	DIGESTIVE DISEASE INSTITUTE, VIRGINIA MASON MEDICAL CENTER
TIME:	30 minutes

PRACTICE GAP ANALYSIS: MANAGING INFLAMMATORY BOWEL DISEASE IN THE ERA OF PERSONALIZED MEDICINE Describe the problems or gaps in practice this activity will address: What are you trying to change? Inflammatory bowel disease (IBD) is growing on a worldwide scale and is a chronic, frequently progressive condition that affects approximately 1.6 million people in the United States. Substantial room for improvement in the care of patients with IBD is needed. The outcomes of patients with IBD are diminished by multiple factors, including uncertainty about approaches to diagnosis, assessment, and treatment, as well as, a lack of knowledge about available therapies. To meet the persistent challenges associated with IBD management, health care professionals must be knowledgeable about the evidence-based and expert-recommended strategies for the treatment of patients with IBD to avoid disease flares, prevent structural damage and disability, and restore quality of life Current therapies for IBD have not, yet, been able to prevent the need for surgical intervention in more than 50% of patients with IBD. Education for clinicians who manage patients with moderate-to-severe IBD about the immunopathophysiology of IBD and the latest available options to individualize IBD treatment can reduce the use of corticosteroids and need for hospitalizations or surgery, resulting in improved quality of life for these patients. What is the problem? Care of the inflammatory bowel disease (IBD) patient presents unique challenges, as decisions regarding therapy must consider numerous distinct characteristics of each patient. Beyond the dichotomy between Crohn's disease (CD) and ulcerative colitis (UC), which may be difficult to ascertain in some patients, several distinct phenotypes exist within these diseases. IBD can be categorized by existing severity, location and extent, and potential for complications. It may be further categorized according to responsiveness to medical therapy. A number of individualized markers of disease, however, may allow for better prediction of response to therapy and disease course. Decisions for therapy must also be tailored to the comorbidities or risks of an individual patient, such as the risk of hepatosplenic T-cell lymphoma among men younger than 35 years.1 As such, IBD constitutes an opportunity for personalized medicine, and strategies should be tailored to maximize the success of the current treatment, minimize loss of response to therapy or relapses in the future, and address the risks associated with specific medications for given patients. How did you assess and/or measure these issues? How was the educational need/practice gap for this activity identified? Place an X by each source utilized to identify the need for this activity. Attach copies of documentation for each source indicated (REQUIRED) * please make sure when selecting your needs assessment data and references that you highlight applicable components.

Method	Example of required document	
Previous participant evaluation data	Copy of tool and summary data	

x Expert Opinion Target audience survey Regulatory body requirements Data from public health sources Other (describe)	Summary Copy of tool and summary data Requirements summary Abstract, articles, references
Regulatory body requirements Data from public health sources	Requirements summary
Data from public health sources	
	Abstract, articles, references
Other (describe)	
scribe the needs of learners underlying the gaps in practice: V	What are the causes of the gaps in practice? Check all that apply
What are the causes of the gaps in practice? Check all that a	apply
x Lack of awareness of the problem,	Poor self-efficacy,
Lack of familiarity with the guideline,	Inability to overcome the inertia of previous practice, and
Non-agreement with the recommendations,	Presence of external barriers to perform recommendations
Why does the gap exist? Check all that apply	
x Lack of Knowledge competence	Lack of time to assess or counsel patients
Performance-based. Lack of consensus on professional guidelines	Cost / Insurance/reimbursement issues Patient Compliance Issues

CME OBJECTIVES MANAGING INFLAMMATORY BOWEL DISEASE IN THE ERA OF PERSONALIZED MEDICINE

State at least three or more things that participants should be able to do after they participate in this CME activity. Please note these objectives should be measurable, specific, actionable and timely. **Upon completion of this activity, attendees should be able to:**

- 1 Review natural history and complications of IBD and how they impact treatment approach.
- 2 Describe considerations in selecting therapy for patients with IBD
- 3 Discuss strategies to optimize short- and long-term response to medication in IBD

The ACCME does not want you to use the words - think, understand, know, appreciate, learn, comprehend, be aware of, be familiar with, etc. as they are not measurable.

You can use words such as Analyze, Categorize, Classify, Compare, Conclude, Construct, Critique, Define, Demonstrate, Describe, Discuss, Evaluate, Identify, List, Name, Outline, Show

COMPETENCIES: MANAGING INFLAMMATORY BOWEL DISEASE IN THE ERA OF PERSONALIZED MEDICINE				
What ACGME or IOM related competency is associated with this activity? (check all that apply)				
x Patient Care	Practice-Based Learning and Improvement	х	Medical/Clinical Knowledge	
Procedural Skills	Interdisciplinary Teams		Teams and Teamwork	

Quality Improvement Utilization of Informatics Evidence-based Practice Vhat is the activity designed to change Competence - (knowing how to do something) Selecting this option requires the CME activity being planned provide participants with an opportunity to: hear information related to advances or best practice hear examples of application in practice of information presented Performance - (actually doing something) Selecting this option requires the CME activity being planned provide participants with an opportunity to: hear examples of application in practice of information presented Performance - (actually doing something) Selecting this option requires the CME activity being planned provide participants with an opportunity to: practice what they have learned during the CME activity receive feedback about doing what they have learned during the CME activity receive feedback about doing what they have learned during the CME activity provide tangible improvements and data to support overall change to patient outcomes: provide tangible improvements and data to support overall change to patient outcomes Vhat potential barriers do you anticipate attendees may encounter when incorporating new objectives into their practice? X Lack of time to assess or counsel patients Lack of administrative support/resources Other – describe:		Communication Skills	Professionalism	Systems-based Practice
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		reimbursement issues		
escribe how will this educational activity address these potential barriers and the strategies used?		Insurance/		
	escril	be how will this educational activity address the	se potential barriers and the strategies used?	

RESULTS: MANAGING INFLAMMATORY BOWEL DISEASE IN THE ERA OF PERSONALIZED MEDICINE please describe the results expected (outcomes) for this activity in terms of specific improvements in patient care and/or other work related to the practice of medicine. Your description

 x
 Improvements in patient care based on evidence-based treatment

 Reduce Health care costs
 x

 Streamline care of patients

MEASURING YOUR SUCCESS: MANAGING INFLAMMATORY BOWEL DISEASE IN THE ERA OF PERSONALIZED MEDICINE

Will use pre-and post CME activity questionnaire to measure success. Please provide 3 questions and answers that will asked to the audience before and after your talk. The answer to these questions should be in your presentation. Please highlight the correct answer and limit your possible answers to a maximum of 4 with only one correct answer. The others can be partially correct or wrong

Qu	Question 1. Which of the following is a risk factor for developing hepatosplenic T cell lymphoma among patients with inflammatory bowel					
dis	ease	?				
	An	swers				
	1	Female sex				
	2	Age > 65				
	3	Azathioprine use				
	4	Methotrexate use				
		Feedback:				
		1. Female sex : correct Answer.				

	The correct answer is azathioprine (C). Hepatosplen ic T cell lymphoma is a rare malignancy that has been
	associated with thiopurine immunosupressants, including azathioprine and 6-mercaptopurine. Additional risk
	factors include male sex and age < 35. There is no association with methotrexate use.
	Reference: Kotlyar DS, Clin Gastroenterol Hepatol 2011
	2. Age > 65: Wrong Answer.
	3. Azathioprine use: Wrong Answer.
	4. Methotrexate use: Wrong Answer.
	Which of the following factors improves response to infliximab in patients with Crohn's disease?
Answer	
	ng duration of disease
	ombination therapy with azathiorprine
	vere disease activity
	pesity edback: Please provide a detail feedback (MOC)
ree	uback. Please provide a detail recuback (NOC)
	1. Long duration of disease: Wrong Answer.
	2. Combination therapy with azathiorprine: Correct Answer.
	The correct answer is combination therapy with azathioprine (B). The SONIC study demonstrated that combination
	therapy with infliximab and azathioprine was superior to either infliximab or azathioprine alone in treating Crohn'
	disease. Other factors that are associated with improved response to infliximab include shorter disease duration,
	less severe disease (as assessed by lower CRP and higher albumin). Obese patients have lower response rates to
	therapy than average weight patients.
	References: Colombel JF, N Engl J Med 2010
	Ordas I, Clin Gastro and Hepatol 2012
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	4.	Add methotrexate: <mark>Wrong Answer</mark> .	