

Small Bowel Video Capsule Endoscopy: Training and Competency Assessment

Activity Description

Video capsule endoscopy (VCE) is currently considered the gold standard in the investigation of small bowel disease and is widely available in clinical practice as a noninvasive modality to examine the small bowel. This course will provide a structured (VCE) training curriculum with a validated assessment tool for gastroenterologists and trainees and includes 4 hours of didactic tutoring, hardware and software instruction, and review of cases with VCE experts. Participants are then expected to complete 25 VCE interpretations. A formalized and validated assessment tool was developed and referred to as the Capsule Competency Test (CapCT). This test evaluates the fundamentals of knowledge for the procedure including indications and contraindications, and the ability to accurately identify, interpret, and document VCE findings. Participants are required to complete the CapCT as part of their training.

Target Audience

Mayo Clinic gastrointestinal fellows and gastroenterologists and gastroenterology trainees world-wide.

Learning Objectives

Upon conclusion of this activity, participants should be able to:

- Recite knowledge of capsule endoscopy hardware and software.
- Identify, interpret and report on capsule endoscopy findings accurately.
- Formulate clinical recommendations based on overall clinical impression.

Attendance at this Mayo Clinic course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

Disclosure Summary*

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Relevant financial relationship(s) with ineligible companies:

None

All relevant financial relationships listed for these individuals have been mitigated.

No relevant financial relationship(s) with ineligible companies:

Elizabeth Rajan, M.D.	Stephanie L. Hansel, M.D., M.S
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References to off-label and/or investigational usage(s) of pharmaceuticals or instruments in their presentation:

None

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Prerequisites for Participation

There are no prerequisites needed prior to participating in this education activity.

Method of Participation*

Participation in this activity consists of reviewing the educational material, completing the learner assessment, course assignments and evaluations.

How to Obtain Credit*

No CME credit is being offered. To obtain non-CME Participation Credit, complete the final assessment, course evaluation and submit.

Release and Expiration Dates*

Release Date: March 1, 2024
Expiration Date: February 28, 2027

Acknowledgment of Commercial Support*

No commercial support was received in the production of this activity.

Faculty and Course Director Listing and Credentials

Course Director(s):

- Elizabeth Rajan, M.D.
- Stephanie L. Hansel, M.D., M.S.

Bibliographic Resources*

1. Indications, Contraindications, and Considerations for Video Capsule Endoscopy. Bolwell JG, Wild D. *Gastrointest Endosc Clin N Am.* 2021 Apr;31(2):267-276
2. Novel Clinical Applications and Technical Developments in video capsule endoscopy. Hakimian S, Hanscom M, Cave DR. *Gastrointest Endosc Clin N Am.* 2021 Apr;31(2):399-412
3. Training, Reading, and Reporting for Small Bowel Video Capsule Endoscopy. Hernandez-Lara A, Rajan E. *Gastrointest Endosc Clin N Am.* 2021 Apr;31(2):237-249
4. Prospective multicenter study to evaluate capsule endoscopy competency using a validated assessment tool. Rajan E, Martinez M, Gorospe E, Al Bawardy B, Dobashi A, Mara KC, Hansel SL, Bruining DH, Murray JA, Leggett CL, Nehra V, Iyer PG, Pasha SF, Leighton JA, Shiff AD, Gurudu SR, Raffals LE, Lavey C, Katzka DA, Chen CH. *Gastrointest Endosc.* 2020 May;91(5):1140-1145
5. Training in small-bowel capsule endoscopy: assessing and defining competency. Rajan E, Iyer PG, Oxentenko AS, Pardi DS, Alexander JA, Baron TH, Bruining DH, Hansel SL, Larson MV, Murray JA, Debritto J, Dierkhising RA, Gostout CJ. *Gastrointest Endosc.* 2013 Oct;78(4):617-22
6. Small-bowel endoscopy core curriculum. ASGE Training Committee 2011-2012. Rajan E, Pais SA, Degregorio BT, Adler DG, Al-Haddad M, Bakis G, Coyle WJ, Davila RE, Dimaio CJ, Enestvedt BK, Jorgensen J, Lee LS, Mullady DK, Obstein KL, Sedlack RE, Tierney WM, Faulx AL. *Gastrointest Endosc.* 2013 Jan;77(1):1-6
7. ASGE guideline: guidelines for credentialing and granting privileges for capsule endoscopy. Faigel DO, Baron TH, Adler DG, Davila RE, Egan J, Hirota WK, Jacobson BC, Leighton JA, Qureshi W, Rajan E, Zuckerman MJ, Fanelli R, Wheeler-Harbaugh J; ASGE. *Gastrointest Endosc.* 2005 Apr;61(4):503-5

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