CONTINUING MEDICAL EDUCATION

Johns Hopkins University School of Medicine Division of Gastroenterology and Hepatology and The Institute for Johns Hopkins Nursing bresent

Third Annual



Hopkins International Therapeutic Endoscopy Course

The Johns Hopkins Hospital and Johns Hopkins University School of Medicine Thomas B. Turner Building Baltimore, Maryland, USA

DIRECTOR:

Mouen Khashab, MD

CO-DIRECTOR: Vivek Kumbhari, MD

CO-DIRECTOR: Mary Rose R. Hess, BSN, RN, CGRN, NCIII

Lectures, live demonstrations and hands-on training

- Superstar national and international expert faculty
- Basic, advanced and **cutting edge** endoscopic procedures and techniques
- Latest breakthroughs in endoscopic equipment and accessories
- Direct interaction with Johns Hopkins and visiting faculty
- Optional Half-day hands-on lab session with professional training models
- Interactive video sessions with commentary from the experts
- Spanish interpretation will be available on-site

https://www.hitec-course.com















International Federati for the Surgery of Obesity and Metabolic Disorders













World Endoscopy Organization





for Gastroin

DESCRIPTION

The Johns Hopkins International Therapeutic Endoscopy Course (HITEC) is an intense 2-3 day course dedicated to providing the practicing endoscopist state-of-the-art updates in luminal, pancreaticobiliary and bariatric endoscopy. In addition to extensive live endoscopy demonstrations and keynote lectures by superstar national and international faculty, our unique format will include faculty led lunch time symposia focusing on the various aspects of therapeutic endoscopy as well as video sessions that encourage opportunities to demonstrate rare cases not typically performed during live courses in the U.S. The pancreaticobiliary endoscopy sessions will illustrate basic and advanced principles and techniques of EUS/ERCP, cholangiopancreatoscopy and interventional EUS. The luminal endoscopy sessions will focus on techniques such as Barrett's endoscopic therapy, EMR, ESD, POEM and EUS-guided anastomosis creation. The bariatric endoscopy sessions will demonstrate primary endoscopic therapies, as well as novel techniques to manage the complications of bariatric surgery. Therapeutic endoscopy hands-on training labs are offered with training performed by world-renowned experts. In short, this unique course featuring superstar global endoscopists will ensure detailed and comprehensive illustration of optimal techniques to enhance endoscopic skills, while simultaneously introducing advanced and novel procedures/techniques to endoscopists.

WHO SHOULD ATTEND

This activity is intended for endoscopists, gastroenterologists, surgeons, gastroenterology/surgical fellows, endoscopy nurses and endoscopy technicians.

OBJECTIVES

After attending this activity, the participant will demonstrate the ability to:

- Discuss the latest advances in luminal and pancreaticobiliary endoscopy.
- Present an update on optimal techniques for biliary cannulation.
- · Discuss different management options for patients with complex colon polyps.
- · Present an update on POEM and other treatment options for patients with achalasia.
- · Discuss different management options for patients with pancreatic necrosis.
- · Present an update on the endoscopic management of pancreatic cysts.
- Discuss a variety of bariatric endoscopic techniques, including primary weight loss therapies as well as those to treat the complications of bariatric surgery.
- · Illustrate techniques and indications for endoscopic suturing.

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing



Medical Education (ACCME) through the joint providership of Johns Hopkins University School of Medicine and The Institute for Johns Hopkins Nursing. The Johns Hopkins University School of Medicine is accredited by the ACCME to provide continuing medical education for physicians. The Institute for Johns Hopkins Nursing is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

CREDIT DESIGNATION STATEMENT

The Johns Hopkins University School of Medicine designates this live activity for a maximum of 27.75 AMA PRA Category I CreditsTM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

OTHER CREDITS

American Academy of Nurse Practitioners National Certification Program accepts AMA PRA Category I Credit[™] from organizations accredited by the ACCME. PAs may claim a maximum of 27.75 Category I credits for completing this activity. **NCCPA** accepts AMA PRA Category I CreditTM from organizations accredited by ACCME or a recognized state medical society.

The Johns Hopkins University has approved this activity for 27.75 **contact hours for non-physicians**.

This 27.75 contact hour educational activity is jointly provided with **The Institute for Johns Hopkins Nursing**.

Continuing Medical Education credit is being requested from another applicable medical specialty organization.

MOC STATEMENT

Successful completion of this CME activity, which includes participation in the evaluation



component, enables the participant to earn up to 27.75 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

GENERAL INFORMATION

REGISTRATION

April 3, 2019 • 7:00 - 7:30 a.m.

The registration desk will remain open for the duration of the activity.

LOCATION

Thomas B. Turner Building

Lower Level Johns Hopkins University School of Medicine 720 Rutland Avenue Baltimore, Maryland 21205

The Turner Building is located on Rutland Avenue at Monument Street. Directions and campus parking information are available on our website under the contact us tab at https://HopkinsCME.cloud-cme.com. Handicapped parking is available in the nearby Rutland Garage. Johns Hopkins is smoke-free.

TRAVEL INFORMATION

By Air: Baltimore is served by three major airports: Baltimore/Washington International Airport (BWI) in Maryland; Washington Dulles International Airport (IAD) and Ronald Reagan National Airport (DCA) in Northern Virginia.

Taxi Service: To downtown Baltimore from BWI, the nearest airport, is 15-30 minutes depending on traffic and approximately \$35 one way. Super Shuttle charges less than \$20 one way and reservations are needed. Reservations can be made online at:

www.supershuttle.com or call +1 (410) 859-3427.

By Rail: Baltimore is easily accessible by train. Amtrak trains run 24 hours a day, 7 days a week. Baltimore is a major stop for Amtrak's high-speed Acela Express service. Penn Station is easily accessible by I-95, I-83 and I-70 and is a 15 minute taxi ride to Johns Hopkins. For more information visit www.amtrak.com or call +1 (800) USA-RAIL.

HOTEL ACCOMMODATIONS

A limited block of sleeping rooms has been reserved at the hotel for your convenience and will be available on a first come, first served basis.

Residence Inn Baltimore +1 (443) 524-8400 at the Johns Hopkins Medical Campus 800 North Wolfe Street Baltimore Maryland 21205

Website: www.marriott.com

Hotel Reservation Cut-Off Date: March 12, 2019

The Residence Inn Baltimore is located on the Johns Hopkins Medical Campus. Make your reservation at https://tinyurl.com/yabb77tg or call the hotel directly and specify that you are attending the Johns Hopkins HITEC Conference to receive the special group rate of \$139 for one bedroom king suite, plus tax. On-site valet parking is available at the hotel at an additional charge. Check-in time is 4:00 p.m. Check-out time is 12:00 p.m. This hotel is located directly across the street to the meeting site, within walking distance.

COMPLIMENTARY SOCIAL EVENT

Please join us for an opportunity of networking during the complimentary welcome reception and dinner for registrants and faculty on Wednesday evening, April 3, 2019, immediately following the last session. Please indicate your attendance on the registration form. NOTE: The commercial support received is solely for the educational component of this activity and will not be used to support this social event.

SYLLABUS

The syllabus will be accessible online and via your mobile device in the CME CloudCME App prior to the activity.

FEES

Register online at:

https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=15249

Methods of Payment: We require full payment prior to the start of the activity. On-site payments by credit card only. The registration fee includes instructional materials, continental breakfasts, refreshment breaks and lunches.

Physicians	.\$550
Residents*/Fellows* *with verification of status	.\$250
CRNA/NP/PA	\$250
Nursing Track on 4/5	
(includes free general session admission on 4/3&4)	\$200
Optional (limited to registered attendees; choose of	one)
Therapeutic Endoscopy Hands-On Modules	.\$250

Endorsement society member discounts are available with online registration.

You will receive a confirmation by e-mail. If you have not received it by **March 29, 2019**, call +1 (410) 502-9636 to confirm that you are registered. A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances, registrants will be notified as soon as possible.

LATE FEE AND REFUND POLICY

A \$50 late fee applies to registrations received after 5:00 p.m. ET on **March 29, 2019**. A handling fee of \$50 will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be received by fax or mail by March 29, 2019. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

HANDS-ON TRAINING LABS

On Friday, April 5, 2019, registrants will have the option of attending an endoscopy hands-on module in the state-of-the-art MISTIC lab of The Johns Hopkins Hospital. Each module is limited to 24 participants. Sessions will be held on explants and training models with training provided by national and international expert endoscopists. Pre-registration is required (has fee) and space is limited. There will be two options (morning and afternoon) each with a slightly different focus. Both modules will include endoscopic suturing, endoscopic submucosal dissection and interventional EUS. Each participant will rotate through each station (40 minutes each) with a maximum of four participants per station. Please register early, as these limited sessions will fill up quickly. Further specifics are provided in the detailed program.

HOW TO OBTAIN CREDIT

Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner's transcript and immediately available for print. **The last day to** access the evaluation and attest to your credits is May 20, 2019.

An outcome survey will be sent to all physician attendees within two months post activity to assist us in determining what impact this activity had on the learner's practice.

EMERGENCY CALLS

On **April 3-5, 2019**, direct emergency calls to the Hopkins registration desk, +1 (410) 955-3673. Messages will be posted for participants.

AMERICANS WITH DISABILITIES ACT

The Johns Hopkins University School of Medicine and The Institute for Johns Hopkins Nursing fully comply with the legal requirements of the ADA and the rules and regulations thereof. *Please notify us if you have any special needs*.

Policy on Speaker and Provider Disclosure

It is the policy of the Johns Hopkins University School of Medicine that the speaker and provider globally disclose conflicts of interest. The Johns Hopkins University School of Medicine OCME has established policies in place that will identify and resolve conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education.

ACKNOWLEDGEMENT

Applications for commercial support from health care related industries are pending. A complete list of contributors will be provided in the syllabus. Please note that commercial support received is solely for the educational component of the activity and will not be used to provide food and beverage.

Please note: The Physician Payments Sunshine Act was enacted by Congress to increase public awareness of financial relationships between drug and medical device manufacturers and physicians. In compliance with the requirements of this Act, the commercial supporter/s of this activity may require the Johns Hopkins University School of Medicine to report certain professional information (such as name, address, National Provider Identifier (NPI), and State License number) of physician attendees who receive complimentary food and beverage in conjunction with a CME activity. The commercial supporter is required to submit the collected data to the Centers for Medicare and Medicaid Services which will then publish the data on its website.

TO REGISTER OR FOR FURTHER INFORMATION

Register Online	https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=15249
Register by Phone	+1 (410) 502-9636
Register by Fax	+1 (866) 510-7088
Confirmation/Certificates/Transcripts	+1 (410) 502-9636
General Information	+1 (410) 955-2959
E-mail the Office of CME	cmenet@jhmi.edu

http://twitter.com/HopkinsCME

http://www.facebook.com/HopkinsCME

For general information, please visit the activity webpage at

https://www.hitec-course.com

CloudCME

Check out our mobile app CloudCME. Organization Code: **HopkinsCME**

For website and CloudCME app technical difficulties, email: cmetechsupport@jhmi.edu

PROGRAM

DAY I: WEDNESDAY, APRIL 3, 2019

- 7:30 7:40 **Opening Remarks and Conference Goals** Mouen Khashab, MD and Vivek Kumbhari, MD
- 7:40 8:00 Is POEM the New Gold Standard for Achalasia? Thomas Rösch, MD
- 8:00 8:20 Endoscopic Management of Ampullary Neoplasia Paul Fockens, MD, PhD
- 8:20 10:00 Live Endoscopy
- 10:00 10:20 Refreshment Break and Exhibits
- 10:20 10:40 My Top 5 Tricks for Performing Complex Colon Polypectomy Douglas Rex, MD, MACP, MACG, FASGE, AGAF
- 10:40 12:00 Live Endoscopy

12:00 - 1:00	Lunch Time Symposia			
	Procedure	Expert		
	FTRD	Robert Moran, MD		
	POEM	Thomas Rösch, MD		
	Suturing	Reem Sharaiha, MD, MSc		
	TIF	Greg Haber, MD, FRCPC, FACG		
	ESD	Naohisa Yahagi, MD, PhD		
	FNB	Luis Carlos Sabbagh, MD, FASG		
	Bariatric Endoscopy	Barham Abu Dayyeh, MD, MPH		
	EUS-Guided Drainage	Paul Fockens, MD, PhD		
	Barrett's Therapies	Marcia Canto, MD, MHS		
	Cholangiopancreatoscopy	Robert Hawes, MD, FACG		

Industry

Ovesco Olympus/Medtronic/ERBE Apollo EGS BSCI/ERBE/Olympus BSCI/Medtronic Apollo/Medtronic BSCI Pentax/ERBE/Medtronic BSCI

- 1:00 1:20 The Art of Biliary Cannulation During ERCP Greg Haber, MD, FRCPC, FACG
- 1:20 1:40 **Taking ESD to the Colon: How I Do It?** Naohisa Yahagi, MD, PhD
- 1:40 2:00 Deciphering Guidelines for the Management of Pancreatic Cysts Luis Carlos Sabbagh, MD, FASGE
- 2:00 4:00 Live Endoscopy
- 4:00 4:30 Refreshment Break and Exhibits
- 4:30 5:30 At the Movies

Spanish Translation Now Available!



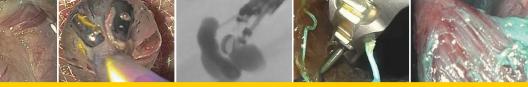
DAY 2: THURSDAY, APRIL 4, 2019

/:00 – /:40	Moderators: Michael Schw Katherine Lamond, MD: De	derate Obesity (BMI 30-40 kg veitzer, MD and Reem Sharaiha, MD, N		
7:40 - 8:00	Multidisciplinary Approach to the Management of Pancreatic Necrosis Robert Hawes, MD, FACG			
8:00 - 9:40	Live Endoscopy			
9:40 - 10:00	Refreshment Break and Ex	xhibits		
10:00 - 10:20	Endoscopic Suturing: Techniques and Indications Reem Sharaiha, MD, MSc			
10:20 - 12:00	Live Endoscopy			
12:00 - 1:00	Lunch Time Sympos Procedure FTRD POEM Suturing TIF ESD FNB Bariatric Endoscopy EUS-Guided Drainage Barrett's Therapies Cholangiopancreatoscopy	ia Expert Robert Moran, MD Thomas Rösch, MD Reem Sharaiha, MD, MSc Greg Haber, MD, FRCPC, FACG Naohisa Yahagi, MD, PhD Luis Carlos Sabbagh, MD, FASGE Barham Abu Dayyeh, MD, MPH Paul Fockens, MD, PhD Marcia Canto, MD, MHS Robert Hawes, MD, FACG	Industry Ovesco Olympus/Medtronic/ERBE Apollo EGS BSCI/ERBE/Olympus BSCI/Medtronic Apollo/Medtronic BSCI Pentax/ERBE/Medtronic BSCI	
1:00 - 1:20	How Do I Get my A Douglas Rex, MD, MACP, 1			
1:20 - 3:00	Live Endoscopy			
3:00 - 3:20	Refreshment Break and Ex	xhibits		
3:20 - 4:30	Live Endoscopy			

4:30 - 5:30 **At the Movies**

The Johns Hopkins University School of Medicine and The Institute for Johns Hopkins Nursing take responsibility for the content, quality and scientific integrity of this CME activity.

This schedule is subject to change.



DAY 3: FRIDAY, APRIL 5, 2019

Hands-On Training Location: MISTIC Lab 4 people per station. 40 minutes at each station. 30 minute break

Option I: Endoscopy Hands-On Module (7:30 a.m. - 12:00 p.m.)

Station I: Endoscopic Suturing

Station 2: ESD (standard)

Station 3: ESD (ORISE)

Station 4: ERCP with Cholangiopancreatoscopy

Station 5: Interventional EUS

Station 6: Full Thickness Resection

Option 2: Endoscopy Hands-On Module (1:00 - 5:30 p.m.)

Station I: Endoscopic Suturing

Station 2: ESD (Standard)

Station 3: ESD (ORISE)

Station 4: Closure and Hemostasis

Station 5: Zenker's Diverticulotomy

Station 6: Lumen-apposing Metal Stents

Professional models are provided by ENDOSIM.

Adjourn

You will receive an email notification to complete the evaluation form and to attest to the number of hours in attendance.

The registration desk will remain open during conference hours.

NURSING TRACK

Due to the rise of innovative procedures, endoscopy units require regular introduction and practice to new therapeutic equipment and supplies. A successful advanced therapeutic procedure would not be possible without a fully trained nurse and clinical technician to assist the provider.

The **HITEC Nursing Track** will enable registrants to develop and maintain competency in the everchanging field of endoscopy and will illustrate an array of emerging therapeutic endoscopic procedures. Nurses will gain knowledge and hands-on skills necessary to set-up and assist in advanced therapeutic procedures. Registration details and the full nursing track agenda are available online.



27.75 CECredits || SGNA Member 25% Discount: Use promo code HN25 Registration includes access to the general session on April 3 & 4, as well as the Nursing Track on April 5.

https://www.hitec-course.com

SPEAKERS

ACTIVITY DIRECTOR



Mouen Khashab, MD Associate Professor of Medicine Director, Therapeutic Endoscopy Johns Hopkins University School of Medicine

IOHNS HOPKINS SPEAKERS



Haitham Algrain, MD, FASA Assistant Professor of Anesthesiology and Critical Care Medicine



Firas Al-Kawas, MD Professor of Medicine Director of Endoscopy Sibley Memorial Hospital

Anthony Kalloo, MD



Marcia Canto, MD, MHS Professor of Medicine and Oncology Director of Clinical Research



Olaya Brewer Gutierrez, MD Advanced Endoscopy Fellow Division of Gastroenterology and Hepatology



The Moses and Helen Golden Paulsen Professor of Medicine Director, Division of Gastroenterology and Hepatology



Katherine Lamond, MD Assistant Professor of Surgery Sibley Memorial Hospital

Anne Marie Lennon, MD, PhD Associate Professor of Medicine, Surgery, Radiology and Radiological Science, and Oncology Clinical Director of Gastroenterology Director, Multidisciplinary Pancreatic Cyst Program

INVITED GLOBAL SPEAKERS



Barham Abu Dayyeh, MD, MPH (USA) Associate Professor of Medicine Mayo Clinic College of Medicine Director of Bariatric and Metabolic Endoscopy Mayo Clinic Rochester, Minnesota



Paul Fockens, MD, PhD (Netherlands) Professor and Chairman Department of Gastroenterology and Hepatology Academic Medical Center University of Amsterdam The Netherlands





Division of Gastroenterology NYU Langone Medical Center New York, New York



Robert Hawes, MD, FACG (USA) Center for Interventional Endoscopy Medical Director Florida Hospital Institute for Minimally Invasive Therapy Professor of Medicine University of Central Florida College of Medicine Orlando, Florida



Robert Moran, MD (USA) Assistant Professor of Medicine Division of Gastroenterology and Hepatology Medical University of South Carolina Charleston, South Carolina



Douglas Rex, MD, MACP, MACG, FASGE, AGAF (USA) Distinguished Professor of Medicine Chancellor's Professor at Indiana University Purdue University Indianapolis Director of Endoscopy Indiana University Hospital

Indianapolis, Indiana

ACTIVITY CO-DIRECTORS



Vivek Kumbhari, MD Assistant Professor of Medicine Director of Bariatric Endoscopy Johns Hopkins University School of Medicine



Mary Rose Hess, BSN, RN, CGRN, NCIII Nurse Product Procedure Group, Chair Advanced Therapeutic Nurse The Johns Hopkins Hospital



Zahra Maleki, MD, FCAP, MIAC Associate Professor of Pathology



Saowanee Ngamruengphong, MD Assistant Professor of Medicine



Eun Ji Shin, MD, PhD Associate Professor of Medicine



Vikesh Singh, MD, MSc Associate Professor of Medicine Director of Endoscopy Director of Pancreatitis Center Medical Director of Pancreatic Islet Cell Autotransplantation Program



Michael Schweitzer, MD Associate Professor of Surgery Director of Bariatric Surgery Johns Hopkins Bayview Medical Center



Juliana Yang, MD Advanced Endoscopy Fellow Division of Gastroenterology and Hepatology



Thomas Rösch, MD (Germany) Professor of Medicine Director of the Department Chief Physician Medical Specialist in Internal Medicine and Gastroenterology University Medical Center Hamburg- Eppendorf | UKE Department for Interdisciplinary Endoscopy Hamburg Germany



Luis Carlos Sabbagh, MD, FASGE (Colombia) Chief of the Department of Gastroenterology



Reina Sofia Clinic and Colombia Clinic Associate Professor of Gastroenterology and Digestive Endoscopy Director of the World Gastroenterology Organization (WGO) Bogota Training Center Director of Postgraduate Program on Gastroenterology Sanitas University Foundation Bogota, Colombia



Reem Sharaiha, MD, MSc (USA) Assistant Professor of Medicine

Director of Bariatric Endoscopy Associate Director of the Pancreas Program Weill Cornell Medicine New York, New York



Naohisa Yahagi, MD, PhD (Japan)



REGISTRATION FORM

THIRD ANNUAL HITEC: HOPKINS INTERNATIONAL THERAPEUTIC ENDOSCOPY COURSE

APRIL 3 – 5, 2019 • https://www.hitec-course.com

TO REGISTER:

Online: https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=15249 Fax: (866) 510-7088 Phone: (410) 502-9636

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, 720 Rutland Avenue, Turner Room 20, Baltimore, Maryland 21205-2195. Include e-check or credit card information below.

FULL PAYMENT IS REQUIRED PRIOR TO THE START OF ACTIVITY.

I am a Johns Hopkins speaker for this activity.

Please type or print clearly:

Last Name	ne First Name			MI	
Highest Degree	Primary Special	ty	Hopkins Faculty/Staff only JH		D ID
For Physicians Only: NPI 10 digits	I		State of License #		State of License
ABIM #:			1	Birth Month:	Birth Day:
	ompletion inform	nation to be shared and transmitted to the	Accreditation Council for Continu	I ding Medical Education (ACCME).	
Organization			Mailing Address:		
City			State	Zip + 4 Code	Country
Daytime Telephone			Fax Number		
Email (required)					
 I plan to stay at the Re Spanish Translation Re 	esidence Inr quested on by attend e any specia come Red	ception and Dinner:	d on the Johns Hopkin		campus.
Registration Fees:				0 0 0	
_ ,					
CRNA/NP/PA		I session 4/3&4)			
The registration fee inclu	Hands-On des instruc	endees) Module (Friday Choose On ctional materials and food) late fee. On-site registrat	and beverage. For reg	istrations received af	
Endorsement society me	mber disco	ounts are available with on	line registration.		
Payment Type:			Total amount \$ _		
fully completed and app	efits.jhu.ed	ou are using your Tuition R n in the payment section c u/documents/trffacandstaff. edu/migration/IonRequest.p	of the online activity lii pdf		upload your
e-Check: Routing #	#:		Account #:		
Credit Card:	VISA			□ AMEX	
Card #				Exp. Date	
Billing Zip Code	lling Zip Code Security Code				



JOHNS HOPKINS

Office of Continuing Medical Education 720 Rutland Avenue / Turner 20 Baltimore, Maryland 21205-2195



Dated Material

PAID Bellmawr NJ Permit No. 21 34

Nonprofit Org. U.S. Postage





https://www.hitec-course.com Spanish interpretation will be available onsite. Check out our mobile app CloudCME. Organization Code: HopkinsCME