

City of Hope and ISSPP Present

# First U.S. PIPAC Training Workshop



October 11 to 12, 2022

PASÉA HOTEL & SPA | HUNTINGTON BEACH, CA

This belongs to:

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## First U.S. PIPAC Training Workshop

*Welcome* to the First U.S. PIPAC Training Workshop!

On behalf of City of Hope and the Department of Continuing Medical Education, we would like to thank you for joining us for this educational activity.

### **Workshop Highlights Include:**

- Didactics addressing the concept, outlining occupational health measures, demonstrating safety steps and identifying equipment needed to perform PIPAC procedures
- Dry Lab simulation
- Course Exam and Certification

Our goal is to provide the desired information and skills which physicians and allied health care providers need in order to better serve their patient populations and research. Your thoughts are valuable and important, so please share them with us on the evaluation that will be emailed to you at the conclusion of the workshop.

Should you have any questions, please visit the conference staff at the registration desk.

For post-conference CME information, please contact:

City of Hope  
Department of Continuing Medical Education  
1500 E. Duarte Road, Bldg. #175  
Duarte, CA 91010  
[cme@coh.org](mailto:cme@coh.org)  
(626) 218-5622



◆ General Information ◆

## First U.S. PIPAC Training Workshop

### SAFETY PROTOCOLS

#### MASKS

**Day 1 | Tuesday, October 11, 2022: Masks are recommended** in all meeting space areas.

**Day 2 | Wednesday, October 12, 2022: Masks are required** upon entry of the City of Hope facility for the Dry Lab Simulation in the OR.

*To ensure masks are effective, it is suggested to always wear masks correctly over your nose and mouth in all workshop meeting space areas. If you do not have a mask and would like one, please visit the registration desk.*

#### ADDITIONAL SAFETY PROTOCOLS:

Providing a safe environment for all participants is our top priority.

The following safeguards are currently in effect to help ensure everyone feels as safe as possible during the live workshop:

- Hand sanitizer will be made readily available.
- Frequent cleaning of all conference areas.
- It is recommended that no food be brought into the workshop meeting space.
- Only pre-registered attendees will be allowed in the workshop areas. No visitors (guests, friends or family), or walk in/same day registrations will be allowed.
- Conference badge must be worn at all times. If you misplace your badge you will not be able to enter the conference area due to the safety protocols in place.

#### CONTACTLESS REGISTRANT SIGN-IN:

You must confirm your attendance **every day** at the workshop, by checking in at the registration desk.

## ◆ General Information ◆

## First U.S. PIPAC Training Workshop

**MEETING MATERIALS**

Check-in at the registration desk to receive workshop materials and name badge.

**WORKSHOP NAME BADGE**

Official workshop name badge **must** always be worn to gain and maintain access to conference room and meals.

**WORKSHOP LOCATION**

Paséa Hotel & Spa  
21080 Pacific Coast Highway  
Huntington Beach, CA 92648

**EDUCATIONAL SESSIONS**

Sapphire Ballroom

### REGISTRATION DESK | HOURS OF OPERATION

DATE	TIME	LOCATION
Tuesday, October 11, 2022	7:30 AM – 5:00 PM	Sapphire Ballroom Foyer
Wednesday, October 12, 2022	6:15 AM – 12:00 PM	Sapphire Ballroom Foyer

### WORKSHOP MEALS & BREAKS

DATE	DESCRIPTION	TIME	LOCATION
Tuesday, October 11	Breakfast	7:30 – 8:25 AM	Sapphire Ballroom
Tuesday, October 11	Refreshment Break	10:35 – 10:55 AM	Sapphire Ballroom
Tuesday, October 11	Lunch	12:00 – 1:00 PM	Sapphire Ballroom
Tuesday, October 11	Refreshment Break	3:00 – 3:20 PM	Sapphire Ballroom
Tuesday, October 11	PIPAC Workshop Dinner	5:45 – 7:00 PM	Two Harbors Ballroom
<b>DRY LAB TRAINING PARTICIPANTS <i>ONLY</i></b>			
Wednesday, October 12	Breakfast	6:15 – 7:15 AM	Sapphire Ballroom
Wednesday, October 12	Refreshment Break	TBD	City of Hope – OC/Offsite
Wednesday, October 12	Lunch	12:15 – 1:00 PM	Sapphire Ballroom

## First U.S. PIPAC Training Workshop

### **Accreditation Statement**

City of Hope is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

### **Credit Designation Statement**

City of Hope designates this live activity for a maximum of 9.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the educational activity.

The following may apply *AMA PRA Category 1 Credit™* for license renewal:

- **Registered Nurses:** Nurses may report up to 9.5 credit hours toward the continuing education requirements for license renewal by their state Board of Registered Nurses (BRN). CME may be noted on the license renewal application in lieu of a BRN provider number.
- **Physician Assistants:** The National Commission on Certification of Physician Assistants states that *AMA PRA Category 1 Credit™* accredited courses are acceptable for continuing medical education requirements for recertification.

### **Disclosure**

This activity has been planned and implemented in strict compliance with the accreditation requirements, standards and policies of the ACCME. City of Hope takes responsibility for the content, quality and scientific integrity of this CME activity. Faculty and Planners have provided written disclosure of all relevant commercial relationships which have been included in this handout. Any potential conflicts relative to the disclosure(s) have been resolved. City of Hope further encourages faculty/presenters to identify investigational products or off-label uses of products regulated by the U.S. Food and Drug Administration at first mention and where appropriate in the content. Please refer to the official prescribing information for each product for discussion of approved indications, contraindications, and warnings.

**Credit Transcripts** will be updated within a week to reflect your participation in this workshop.

Retrieve your CME Transcripts by visiting the City of Hope CME website: <https://cme.cityofhope.org/>  
Login using your registered Email and Password.

### **Quick Tip!**

Have trouble remembering your password? Once you log in to your account, do not log out, so you do not have to log back in!

Once logged in, click on the My Transcripts section at the top of the page, and click on "Completed Activities". You can then print your Credit Transcript or the individual Certificate, if desired.

For assistance, contact the Department of Continuing Medical Education at 626-218-5622 or [cme@coh.org](mailto:cme@coh.org).



## First U.S. PIPAC Training Workshop

To ensure that you are receiving the most current slide sets presented, as well as keeping with City of Hope's "green initiative" to reduce waste, an e-syllabus containing slide sets is available for this activity online only (**printed presentation not available on-site**). We recommend you access available presentations prior to the conference and bring your computer or mobile device fully charged. We gratefully acknowledge the presenters for their permission to offer this material as an e-syllabus.

**E-Syllabus Download/Printing Instructions:** *(printed syllabus will not be provided on-site)*

If you would like to download or print a copy of available presentations simply:

1) Visit the following link:

<https://cme.cityofhope.org/content/first-us-pipac-training-workshop-e-syllabus>

Or scan the QR Code below:



- 2) Find the desired presentation and click on the title of the presentation you would like to download
- 3) The presentation will open and appear in PDF format
- 4) To save the presentation, click "Save As"
- 5) To print the presentation, click "Print"

**AJCC Cancer Staging Forms & Resources are available on the E-Syllabus**

**PLEASE NOTE:**

- ❖ Some presentations not provided prior to the conference will be accessible post-activity.
- ❖ All presentations will be available for 4 weeks following the conclusion of this educational activity.
- ❖ Presentations have been uploaded at the discretion of each faculty member.

First U.S. PIPAC Training Workshop

# Wi-Fi Network

## ***“Pasea Wireless”***

*(NO PASSWORD NECESSARY)*



## First U.S. PIPAC Training Workshop

You're invited!

# *PIPAC Workshop DINNER*

Tuesday, October 11, 2022



Two Harbors Ballroom  
5:45 – 7:00 PM

PIPAC Attendee & Faculty Dinner

*To comply with restrictions, no visitors/guests will be permitted.  
Only workshop attendees with official badge will be permitted.*

**Conference badge must be worn to gain and maintain access to this event.**



## CORE COMPETENCIES INFORMATION SHEET

### PRACTICE-BASED LEARNING AND IMPROVEMENT

Physicians must be able to investigate and evaluate their patient care practices, appraise and assimilate scientific evidence, and improve their patient care practices.

**CME programs address these issues if the topics relate to:**

- analyzing practice experience and performing practice-based improvement activities using a systematic methodology
- locating, appraising, and assimilating evidence from scientific studies related to their patients' health problems
- obtaining and using information about their own population of patients and the larger population from which their patients are drawn
- applying knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness
- using information technology to manage information, access on-line medical information; and support their own education
- facilitating the learning of students and other health care professionals

### PATIENT CARE

Physicians must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

**CME programs address these issues if they address topics related to:**

- The ability to communicate effectively and demonstrate caring and respectful behaviors when interacting with patients and their families;
- gathering essential and accurate information about their patients
- making informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence, and clinical judgment
- developing and carrying out patient management plans
- counseling and educating patients and their families
- using information technology to support patient care decisions and patient education
- performing competently all medical and invasive procedures considered essential for the area of practice
- providing health care services aimed at preventing health problems or maintaining health
- working with health care professionals, including those from other disciplines, to provide patient-focused care

### SYSTEMS-BASED PRACTICE

Physicians must demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide care that is of optimal value. **CME programs address these issues if the topics relate to:**

- understanding how their patient care and other professional practices affect other health care professionals, the health care organization, and the larger society and how these elements of the system affect their own practice
- knowing how types of medical practice and delivery systems differ from one another, including methods of controlling health care costs and allocating resources
- practicing cost-effective health care and resource allocation that does not compromise quality of care
- advocating for quality patient care and assisting patients in dealing with system complexities
- knowing how to partner with health care managers and health care providers to assess, coordinate, and improve health care and knowing how these activities can affect system performance

### MEDICAL KNOWLEDGE

Physicians must demonstrate knowledge about established and evolving biomedical, clinical, and cognate (e.g. epidemiological and social-behavioral) sciences and the application of this knowledge to patient care. **CME programs address these issues if the topics relate to:**

- demonstration of an investigatory and analytic thinking approach to clinical situations
- knowledge and application of the basic and clinically supportive sciences which are appropriate to their discipline

### INTERPERSONAL AND COMMUNICATION SKILLS

Physicians must be able to demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their patients' families, and professional associates. **CME programs address these issues if the topics relate to:**

- creating and sustaining a therapeutic and ethically sound relationship with patients
- using effective listening skills and eliciting and providing information using effective nonverbal, explanatory, questioning, and writing skills
- working effectively with others as a member or leader of a health care team or other professional group

### PROFESSIONALISM

Physicians must demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population. **CME programs address these issues if the topics relate to:**

- demonstrating respect, compassion, and integrity; responsiveness to the needs of patients and society that supersedes self-interest; accountability to patients, society, and the profession; and a commitment to excellence and on-going professional development
- demonstrating a commitment to ethical principles pertaining to provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices
- demonstrating sensitivity and responsiveness to patients' culture, age, gender, and disabilities

◆ Department of Continuing Medical Education ◆

## Conflict of Interest Disclosure and Resolution & Core Competencies

### First U.S. PIPAC Training Workshop

### October 11-12, 2022

City of Hope takes responsibility for the content, quality, and scientific integrity of this CME activity.

City of Hope is accredited by the Accreditation Council for Continuing Medical Education (ACCME). As a fully accredited ACCME Category 1 CME credit provider, the Continuing Medical Education Department has in place policies and procedures which insure the balance, independence, objectivity and scientific rigor in all of its educational activities. City of Hope complies with the [Standards for Integrity and Independence in Accredited Continuing Education](#) of the (ACCME), which REQUIRE that all relevant disclosed conflicts of interest be mitigated prior to the educational activity.

To this end all faculty presenters who are in a position to control the content of an educational activity must identify any real or apparent conflict(s) of interest by disclosing to the Department of CME all relevant financial relationships<sup>1</sup> with any ineligible company<sup>2</sup>. To comply with more intense scrutiny by accreditation agencies, should you disclose any relevant conflict of interest with an ineligible company, the content of your presentation must be peer reviewed prior to presenting. Presentations will be provided to participants as an e-syllabus or in a meeting handout, all relevant disclosures will be made known to participants prior to the start of the activity.

In furtherance of program impartiality, we request the use of generic drug names in your presentation as opposed to trade names. Under no circumstances will we accept trade names. Additionally, contents of your presentation must be based solely on scientific methods generally accepted by the medical community. Data will have been objectively selected from peer-reviewed literature and will be presented in an unbiased manner.

#### CORE COMPETENCIES

The American Board of Medical Specialties (ABMS) and the Accreditation Council of Graduate Medical Education (ACGME) have embarked on a joint initiative to quantify and evaluate a set of 6 physician core competencies by which the individual physician will be measured for Residency Certification, Board Certification and more recently, Maintenance of Certification (MOC). Individual hospitals and other health care delivery organizations will now also be evaluated by the Joint Commission on Accreditation of Healthcare Organizations (JCAHO) on their practice and demonstration of the 6 core competencies.

In brief, the actual term “core competencies” refers to those six abilities (competencies) that are central (core) to the practice of medicine, specifically: (1) Practice-Based Learning and Improvement, (2) Patient Care, (3) Systems-Based Practice, (4) Medical Knowledge, (5) Interpersonal and Communication Skills, and (6) Professionalism. To assist our conferees in demonstrating their completion of CME in the six core competencies, the educational content of each presentation will be noted by numbers 1-6 in the table below. CME certificates for this activity will reflect those core competencies addressed by the educational content of the overall conference.

Conference Faculty	Commercial Interest	Conflict/ Resolution & Faculty Discussion of Off-Label Drugs	Core Competencies
Thanh H. Dellinger, MD	I do not have any relevant financial relationships with any ineligible companies.	None <i>Off-label/Investigational use of: Cisplatin, Doxorubicin, Oxaliplatin</i>	Planner/Faculty 1, 2 & 4
Danielle K. DePeralta, MD	I do not have any relevant financial relationships with any ineligible companies.	None	1, 2, 3, 4, 5 & 6
Viviana Flores, BSN, RN	I do not have any relevant financial relationships with any ineligible companies.	None	1, 2, 3, 4, 5 & 6
Ashley L. Johns, PharmD, MS	I do not have any relevant financial relationships with any ineligible companies.	None <i>Off-label/Investigational use of: Doxorubicin, Cisplatin, Oxaliplatin, Mitomycin, &amp; nab-Paclitaxel</i>	1, 3 & 4
Michael W. Lew, MD	On the Speakers Bureau for Acacia Pharmaceuticals.	The educational content has been peer-reviewed, an attestation on file and no conflicts were noted.	4
Daneng Li, MD	Grant/Research Support from AstraZeneca; Consultant for Delcath Systems, Inc., Eisai, Genentech, Ipsen, and Merck.	Attestation on file – No conflict noted	Reviewer
Theresa McCormick, BSN, RN	I do not have any relevant financial relationships with any ineligible companies.	None	4

Conference Faculty	Commercial Interest	Conflict/ Resolution & Faculty Discussion of Off-Label Drugs	Core Competencies
Amit Merchea, MD	I do not have any relevant financial relationships with any ineligible companies.	None	2 & 4
I. Benjamin Paz, MD, MS	I do not have any relevant financial relationships with any ineligible companies.	None	1, 2, 3, 4, 5 & 6
Mustafa Raoof, MS, MS	I do not have any relevant financial relationships with any ineligible companies.	None <i>Off-label/Investigational use of: Mitomycin C, Abraxane (Nab-Paclitaxel), Oxaliplatin, 5-FU, Cisplatin, Doxorubicin</i>	Planner/Faculty 1, 2, 3 & 4
Marc A. Reymond, MD, MBA	I do not have any relevant financial relationships with any ineligible companies.	None <i>Off-label/Investigational use of: Cisplatin, Doxorubicin, Oxaliplatin, Nab-Paclitaxel, Mitomycin C</i>	1, 2, 3, 4 & 6
Crystal Saavedra, BA	I do not have any relevant financial relationships with any ineligible companies.	None	Planner
Wiebke Solass, MD	Other financial/material interests in Capnopharm GmbH (royalties).	The educational content has been peer-reviewed, an attestation on file and no conflicts were noted.	4 & 5
Danielle Stelly, CST	I do not have any relevant financial relationships with any ineligible companies.	None	1, 2, 3, 4, 5 & 6
Richard L. Whelan, MD	I do not have any relevant financial relationships with any ineligible companies.	None <i>Off-label/Investigational use of: Cisplatin, Doxorubicin, Oxaliplatin, Mitomycin C</i>	2, 3, 4 & 5
Yanghee Woo, MD	Consultant for J&J Ethicon, and Imugene, LTD.	The educational content has been peer-reviewed, an attestation on file and no conflicts were noted. <i>Off-label/Investigational use of: FDA approved systemic chemotherapy for use in intraperitoneal delivery including Cisplatin, Doxorubicin, Oxaliplatin, Mitomycin, Carboplatin as per clinical trials performed or planned. Additionally, potential use of ICSs and other targeting novel agents for clinical trial design in treatment of PIPAC approach to GC peritoneal metastases.</i>	Planner/Faculty 1, 2, 3 & 6
Wei Peng Yong, MBChB	On the Speakers Bureau for Bristol Myers Squibb, Eisai, Lilly, and MSD; Consultant for Amgen, and AstraZeneca.	The educational content has been peer-reviewed, an attestation on file and no conflicts were noted. <i>Off-label/Investigational use of: Paclitaxel and Oxaliplatin.</i>	1 & 2

1. The ACCME defines “‘relevant’ financial relationships” as financial relationships with an ineligible company (in any amount), occurring within the past 24 months, that create a conflict of interest.
2. The ACCME defines an “Ineligible company” as any entity producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients.

## First U.S. PIPAC Training Workshop

TUESDAY, OCTOBER 11, 2022

7:30 - 8:25 AM **REGISTRATION/BREAKFAST**

8:25 - 8:30 AM **Welcome & Announcements**

8:30 - 10:35 AM **WHY PIPAC?**  
*Chair: Amit Merchea, MD*

### Background

Richard L. Whelan, MD

### Normal and Diseased Peritoneum

Marc A. Reymond, MD, MBA

### Assessing Tumor Response

Wiebke Solass, MD

### Systemic Treatment for Peritoneal Carcinomatosis

Wei Peng Yong, MBChB

### HIPEC for Peritoneal Carcinomatosis

I. Benjamin Paz, MD, MS

### Q&A

10:35 - 10:55 AM **REFRESHMENT BREAK**

10:55 AM - 12:00 PM **PIPAC – CLINICAL EVIDENCE**  
*Chair: I. Benjamin Paz, MD, MS*

### PIPAC in Colorectal Cancer

Mustafa Raoof, MD, MS

### PIPAC in Gynecologic Cancers

Thanh H. Dellinger, MD

### PIPAC in Gastric Cancer

Yanghee Woo, MD

### Q&A

12:00 – 1:00 PM **LUNCH**

1:00 – 3:00 PM **PIPAC ESSENTIALS**  
*Chair: Danielle K. DePeralta, MD*

### Principles of Capnoperitoneum and PIPAC Technology

Marc A. Reymond, MD, MBA

### Preclinical Experiments – HIPEC vs PIPAC

Marc A. Reymond, MD, MBA

### PIPAC: Local and Systemic Toxicities, Risks and Dangers

Mustafa Raoof, MD, MS

### Occupational Health and Safety Aspects of PIPAC

Thanh H. Dellinger, MD

### Anesthetic Technique and Precautions in PIPAC

Michael W. Lew, MD

### How to Get Started with PIPAC

Richard L. Whelan, MD

### Regulatory Background of PIPAC in the U.S.

Amit Merchea, MD

### Q&A

3:00 - 3:20 PM **REFRESHMENT BREAK**

3:20 - 5:00 PM **CLINICAL**  
*Chair: Richard L. Whelan, MD*

### U.S. PIPAC Trials

Thanh H. Dellinger, MD

### Patient Selection for PIPAC

Danielle K. DePeralta, MD

### PIPAC – How I Do It

Mustafa Raoof, MD, MS

### Multimodal Therapy and PIPAC

Wei Peng Yong, MBChB

### Future PIPAC Research

Marc A. Reymond, MD, MBA

### Q&A

5:00 PM **ADJOURN**

5:45 – 7:00 PM **DINNER**

## First U.S. PIPAC Training Workshop

WEDNESDAY, OCTOBER 12, 2022

6:15 - 7:15 AM	<b>REGISTRATION/BREAKFAST</b>
7:15 AM	<b>Boarding of the Shuttle</b>
7:30 - 8:30 AM	<b>Transportation to City of Hope Orange County Facility</b>
8:30 - 10:30 AM	<b>Hands-on Dry Lab Training</b> <i>Chairs: Thanh H. Dellinger, MD &amp; Mustafa Raoof, MD, MS</i>  <b>PIPAC Video</b> <b>Tips &amp; Tricks</b>   Danielle K. DePeralta, MD <b>Step by Step Walk Through of a Simulated Procedure Discussion</b> <i>Panel:</i> Danielle K. DePeralta, MD Viviana Flores, BSN, RN Ashley L. Johns, PharmD, MS Michael W. Lew, MD Theresa McCormick, BSN, RN Amit Merchea, MD Marc A. Reymond, MD, MBA Danielle Stelly, CST Richard L. Whelan, MD
10:30 - 11:30 AM	<b>Transportation to Paséa Hotel &amp; Spa</b> ( <i>conference venue</i> )
11:30 AM - 12:15 PM	<b>CONCLUSION OF WORKSHOP</b>  <b>Course Wrap-Up Quiz</b> Thanh H. Dellinger, MD <b>Conclusion and Certificate Presentation</b> Thanh H. Dellinger & Marc A. Reymond, MD, MBA <b>Course Evaluation</b>
12:15 PM	<b>ADJOURN</b>
12:15 - 1:00 PM	<b>LUNCH &amp; FAREWELL</b>

*City of Hope may find it necessary to substitute faculty with comparable expertise on those rare occasions necessitated by illness, unforeseen scheduling conflicts or extraordinary occurrences.*



## ◆ Safety Checklist for PIPAC ◆

## First U.S. PIPAC Training Workshop

THE CHECKLIST HAS TO BE COMPLETED BY TWO INDIVIDUALS IN DIALOGUE (4 EYES PRINCIPLE)

### 1. TIME OUT - Before starting:

- a. Verify Patient name.
- b. Verify Surgical procedure.
- c. Chemotherapy drug(s) in the OR?  
Check label with patient name and dose and containers.
- d. Cytotoxic spill kit and waste container available?
- e. Chemotherapy loaded into the high-pressure injector, and high-pressure injector syringes primed?
  - i. For single chemotherapy administration (e.g. oxaliplatin), use only syringe A.
  - ii. For dual chemotherapy administration (e.g. doxorubicin/cisplatin), fill syringe A with doxorubicin, and syringe B with cisplatin.
- f. All team members with glasses, gloves and protective clothing?
- g. Protective sheet on the floor under the injector?
- h. Does an advanced air filtration system exist?\*

### Before PIPAC application:

- i. Place additional working ports
- j. Abdomen tight with 12mm Hg CO<sub>2</sub> (max CO<sub>2</sub> flow = 0.1 – 0.2 L/min corresponding to body resorption).
- k. PCI and ascites volume documented?
- l. Diagnostic biopsies taken in all 4 quadrants?
- m. Research samples labeled?
- n. Remove additional Hassan port, if this was placed, and close mini-laparotomy.
- o. Check for air bubbles in mini-laparotomy incision by placing saline in the incision.
- p. Is the Covidien Article Nr 352/5877 filter placed between the insufflator and the CO<sub>2</sub> insufflation tubing running to the patient?
- q. Is the Closed aerosol waste system (CAWS) with filters installed at 5mm port? Tubing closed? Port valve closed? Is the Microparticle filter at the extremity of the CAWS, wall connection plugged in?
- r. Video camera on 5mm trocar, with camera holder set up?
- s. Video documentation activated?
- t. Capnopen inserted at 12mm port, free floating, no bowel contact?
- u. Is the chemo infusion tubing covered in a sterile plastic transparent bag (e.g. ultrasound probe cover)?
- v. Is the capnopen's high-pressure line connected to the syringe and firmly screwed?\*
- w. Injector setting: Syringe volumes\*\*\*:
  - i. For oxaliplatin, or cisplatin: set volume to 157ml (it will draw 157ml – 7 of which will remain in the tubing, only 150ml will be delivered to patient. Pressure max 300psi, flow at 0.5ml to 0.7ml/sec.

- ii. For doxorubicin (syringe A): set to 50 ml. Pressure max 300psi, flow at 0.5 ml/sec.  
For cisplatin (syringe B): set to 157 ml. Pressure max 300psi, flow at 0.5 ml/sec.

For doxorubicin/cisplatin regimen, doxorubicin is injected first (syringe A, 50 ml), followed by cisplatin (syringe B, 157 ml).

- iii. For Mitomycin C, varying doses between 7 to 25 mg/m<sup>2</sup>\*\*\* will be dissolved in 150 mL of 0.9% NaCl (150 mL NS) for PIPAC.
- x. Confirm remote monitoring devices
- y. Confirm CO<sub>2</sub> flow rate = 0.1-0.2 L/min
- z. All team members leave the operating room

## 2. PIPAC application

- a. Remote controlled application of the chemotherapy drug(s)
- b. Wait 30 minutes in console room/scrub room, AFTER chemo injection is complete

## 3. Completing the procedure:

- a. A single person enters onto the operating room
- b. Stop CO<sub>2</sub> insufflator
- c. Activate CAWS system (open port and pinchcock), remove camera, proceed to exsufflation of the toxic aerosol
- d. The team re-enters the OR
- e. All disposable materials are eliminated into cytotoxic waste bin
- f. Re-insufflate and collect post PIPAC biopsies
- g. Closure of the injection sites (absorbable sutures)
- h. Documentation of the procedure.

\* The ISSPP recommends an advanced filtration system meeting International Organization for Standardization (ISO)14644-class B  $\leq 5$  for adequate safety. Alternatively, the patient can be completely covered in a single plastic sheet connected to a smoke filtration device.

\*\* The sterile capnopen comes sealed together with a with a high-pressure line, so there is only one single safety connection.

\*\*\* Drug doses and syringe volumes are examples from current U.S. trial (NCT04329494)

## First U.S. PIPAC Training Workshop

### COURSE WRAP-UP QUIZ:

During the Workshop you will be prompted to access the PIPAC Course Wrap-Up Quiz.

*You can access the quiz on your mobile phone by scanning the QR Code below:*



*or you can visit the following link:*

<https://cme.cityofhope.org//node/7783/course-object/22153>

**Please Note:** If not already logged in to your account, you will be prompted to log in to access the workshop quiz & tasks.

### POST-WORKSHOP TASKS:

**Symposium Evaluation opens 10/12/2022 at 11:45am:**

<https://cme.cityofhope.org//node/7783/course-object/18973>

**Conference Feedback opens 10/12/2022 at 11:45am:**

<https://cme.cityofhope.org//node/7783/course-object/18976>

### IMPORTANT:

*Last day to complete Post-Workshop Tasks is: **October 19, 2022***



◆ Live PIPAC Surgery Expert Center On-site Visit ◆

## First U.S. PIPAC Training Workshop

The First U.S. PIPAC Training Workshop is intended to train and certify practitioners to administer Pressurized intraperitoneal aerosolized chemotherapy (PIPAC)

In order to complete this workshop, each participant must engage and complete the following:

- Didactic Lectures with Q&A
- Dry Lab Simulation with Q&A
- Course Exam

### Available Certifications:

1. Upon completion of the in-person workshop requirements (lectures, dry lab simulation, course exam and course evaluation).
2. Upon on-site visit at an expert center for a Live PIPAC Surgery.

Workshop participants will receive a voucher for a future on-site visit at an expert center for a Live PIPAC Surgery.

It is the responsibility of the participant to set up and fulfill the on-site visit for a Live PIPAC Surgery at an expert center within 1 year of completing the training workshop (by October 12, 2023).

### Expert Centers:

[City of Hope](#) (California) | [Mayo Clinic](#) (Florida) | [Northwell Health](#) (New York)

**For details, please visit:**

<https://cme.cityofhope.org/content/first-us-pipac-training-workshop#group-tabs-node-course-default2>

International participants who wish to observe a PIPAC surgery outside of the U.S. should forward a signed letter by the surgeon they observe, plus a promise that another PIPAC surgeon will proctor them for the first case (zoom proctoring ok). Appropriate documentation must be submitted to [cme@coh.org](mailto:cme@coh.org).



[CityofHope.org/cme](http://CityofHope.org/cme)