



# VITAL ANAESTHESIA SIMULATION TRAINING

## One day VAST Sampler Course

*Carolina Haylock, Cindy Montoya  
San Pedro Sula, Honduras, 06 July 2023*



## Executive summary

### ***Situation***

A one day VAST Course sampler was successfully offered in San Pedro Sula, Honduras. All sessions were conducted in Spanish. The VAST Course sampler was delivered entirely by Latin American facilitators.

### ***Background***

At the request of Dr Carolina Haylock-Loor (Director of Programs for the World Federation of Societies of Anaesthesiologists), the Vital Anaesthesia Simulation Training (VAST) Course was first introduced for Latin America in December 2022 in Honduras, During which, a group of Latin American facilitators were trained. Afterwards, this group received training in Antigua, Guatemala in a 2 day VAST course refresher course. Since the training in Honduras, the VAST Facilitator Course and VAST Wellbeing materials have been mainly translated to Spanish. The goals for the current training in San Pedro Sula, Honduras were to offer to a group of inter-professional Honduran healthcare providers by part of this Latin American VAST team of facilitators.

### ***Assessment***

The program was well received. There was a strong request for future VAST Course in Honduras.

### ***Recommendations***

1. Priority be given to courses in Central America, where there is the greatest need, before dissemination in South America.
2. Selection of course locations and participants for facilitator training should consider:
  - Sustainability
  - Options for ongoing facilitator practice to maintain skills
  - Sources of funding
  - Security
  - Existing resources
3. Consider a Latin American VAST Instructor Course (potentially led by Dr Adam Mossenson) in April 2024.

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## Acknowledgements

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- World Federation of Societies of Anaesthesiologists (WFSA)
- Honduran national society of Anesthesiology: Sociedad Hondureña de Anestesiología, Reanimación y Dolor
- Colegio Médico de Honduras
- Our Sponsors: PISA farmacéutica, Mey-ko, Drogueria Benpharma, Agencia Matamoros, Laboratorio Acino, Patolab, Difamedic, Implementos medicos Unimedica.

## Attendees

VAST Wellbeing and Facilitator Course Refresher			
Name	Professional role	Course role	Workplace
Carolina Haylock-Loor	Anesthesiologist	Instructor	Honduras
Juan Carlos Duarte	Anesthesiologist	Participant	Venezuela
Geraldina Gross	Anesthesiologist	Participant	Honduras
Cindy Montoya	Anesthesiologist	Participant	Honduras
Mauricio Vasco	Anesthesiologist	Participant	Colombia
Bryan Hernandez-Lopez	Social worker	Simulation coordinator	Honduras
Mirta Morales	Nurse	Simulation coordinator	Honduras
Walter Villalta	Radiology Technician	Simulation coordinator	Honduras

VAST Course			
Name	Professional role	Course role	Workplace
Adlys Iserys Lainez Torres	General Physician	Participant	Honduras
Alejandra Yanes	Nurse	Participant	Honduras
Ana Rosa Prince Morales	Anesthesiologist	Participant	Honduras
Anuar Josue Madrid Figueroa	Anesthesiology Resident	Participant	Honduras
Cindy Paola Lamberto Castro	General Physician	Participant	Honduras
Danila Jisela Mejia López	Anesthesiology Resident	Participant	Honduras
Fatima Talessi Ochoa Martinez		Participant	Honduras
Marina Acosta	Anesthesiologist	Participant	Honduras
Maydi Lee Enamorado Lopez	Anesthesiology Resident	Participant	Honduras
Noemi Zuniga	Nurse	Participant	Honduras
Rina Stephanie Aguilar Nuñez	General Physician	Participant	Honduras
Sonia Sarmiento	General Physician	Participant	Honduras
Teddy Oviedo	Nurse	Participant	Honduras
Vilma Iris Claros Murillo	General Physician	Participant	Honduras
Wenderly Nattaly Pineda Bautista	Nurse	Participant	Honduras

## Venue and equipment

### Venue

The courses were held in the Hotel Hyatt, San Pedro Sula, Honduras. San Pedro Sula is one of the largest cities in Central America and the second city in population behind the twin cities of Tegucigalpa and Comayagüela. This city is the headquarters of the most important industrial companies in the country, which is why it is also known as the industrial capital of the country. VAST Course was held in a conference room that had space, whole group discussions, simulation scenarios, debriefing, and coffee station. A second conference room was used for simulation scenarios and debriefing during the VAST Course. A registration table was placed outside the conference room. All catering was done by the Hotel Hyatt with served meals for lunch.

### Equipment

The equipment used had already been collected in VAST Course held in this same city in December 2022. Sturdy hotel tables were used as stretchers. Facilitators lent their personal iPads, iPhones, Android tablet and Android phone with SimMon app downloaded for the running of the scenarios. There was no pediatric airway head, so an adult airway mannikin was substituted. The dolls for the non-technical skills hand-it-on game were used as neonates in the scenarios.

## VAST Course Sampler

The VAST Course Sampler (July 06, 2023) was offered in Spanish to 15 inter-professional Honduran participants.

This was the first experience with simulation for many. While some were quite nervous initially, the participants quickly became comfortable with simulation and engaged fully.

The VAST Course ran smoothly led entirely by the Latin American VAST team. Course evaluations (below) were strongly positive.

## Course evaluations and informal feedback

### VAST Course Sampler

Participants agreed or strongly agreed the training was interesting and relevant. They considered that they would be able to apply new knowledge and skills to clinical practice.

Specific key learning identified by participants included:

- Teamwork x7
- Closed loop communication x 3
- Patient reassessment x2
- Importance of keeping updated in new protocols
- Establishing roles; appropriate role assignment x3
- Declaring a crisis x 2
- assertive communication
- Algorithms and protocols are useful cognitive aids that can help reduce errors; using cognitive aids x 6
- Asking for help
- Sharing your mental model
- Decision making x3
- Take fast actions
- Non-technical skills
- Recognizing crisis

Areas for improvement

- 3 day VAST course x2
- Organization of VAST courses more frequently
- Cognitive aids of frequently used protocols in Emergency Rooms

Other comments about the VAST Course:

- Excellent workshop, please continue with this activities
- Excellent workshop, I am very satisfied and learned a lot.
- encourage this type of simulation in Medical schools and hospitals.
- spread this course to more institutions
- Congratulations, the training is excellent, I hope we can share again.
- Excellent; facilitators were well prepared, I loved the way we are all improving
- Will wait for the 3 day- VAST course. I liked all the learning received by the facilitators and sharing opinions was very good.
- The course was very well organized and the learning experience was excellent.
- Thank you for your patience, and for highlighting the positive actions, as well as taking the negative actions as things we can improve on.
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## Challenges and lessons learnt

Generally, the day ran smoothly. The sessions and scenarios all ran punctually. There was a minor incident in pairing an Android tablet with an Android cellphone in one of the scenarios. Participants were on time and engaged. The hotel resources were excellent.

## Recommendations

4. Priority be given to courses in Central America, where there is the greatest need, before dissemination in South America.
5. Selection of course locations and participants for facilitator training should consider:
  - Sustainability
  - Options for ongoing facilitator practice to maintain skills
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  - Existing resources
6. Consider a Latin American VAST Instructor Course (potentially led by Dr Adam Mossenson) in April 2024.

## Course Photos



Figure 1: VAST Course Sampler Facilitators and SIM coordinators





Figure 2: Dr Mauricio Vasco facilitating at VAST Course Sampler.

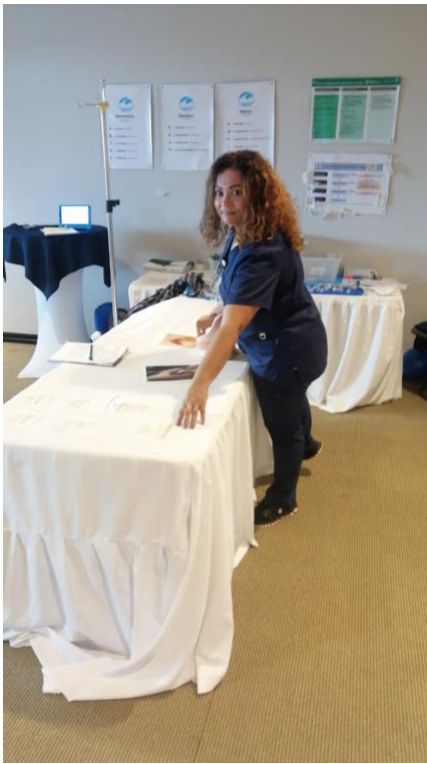


Figure 3: Sim coordinator Mirta Morales preparing scenario



Figure 4: Team debriefing



Figure 5: Facitator led scenario



