

# Cardiovascular system monitoring practices in critically ill patients

<b>Submission date</b> 10/08/2022	<b>Recruitment status</b> No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 12/08/2022	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 11/08/2022	<b>Condition category</b> Other	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

## Plain English summary of protocol

Background and study aims

An analysis will be carried out on the type of monitoring of the cardiovascular system used in critical patients in the intensive care unit.

Who can participate?

Patients older than 18 years, of both sexes, and critically ill who are in the intensive care unit.

What does the study involve?

No intervention will be performed on the patients. Only demographic data and the type of monitoring used will be collected.

What are the possible benefits and risks of participating?

There are no risks or side effects since no interventions will be performed.

Where is the study run from?

Hospital Angeles Tijuana (Mexico)

When does the study start and how long is it expected to last?

August 2021 to September 2022

Who is funding the study?

Investigator initiated and funded

Who is the main contact?

Damian Gutierrez-Zarate, dr.guzda@gmail.com

## Contact information

**Type(s)**

Principal investigator

**Contact name**

Dr Damian Gutierrez-Zarate

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**Contact details**

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**Additional identifiers**

**Clinical Trials Information System (CTIS)**

Nil known

**Protocol serial number**

Nil known

**Study information**

**Scientific Title**

Hemodynamic monitoring practices in intensive care units in Mexico: A cross-sectional multicenter study.

**Acronym**

HEMO-MX

**Study objectives**

There is variability in the use of hemodynamic monitoring according to the type of hospital or the characteristics of the patient.

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Approved 09/08/2022, Hospital Angeles Tijuana, BC Mexico. Research Ethics Committee and Research Committee (Operadora de Hospital Angeles de Tijuana, SA de CV. Paseo de los Heroes No 10999, Zona Urbana Rio, CP 222010, Mexico; no telephone number provided; dirmedica.hti@saludangeles.com), ref: non e provided

**Study design**

Cross-sectional multicentre study

**Primary study design**

Observational

**Study type(s)**

Other

### **Health condition(s) or problem(s) studied**

Critically ill patients in the intensive care unit

### **Interventions**

The data will be collected through the Google Forms tool. This will consist of 2 phases:

- The first phase will have the objective of recruiting interested units and obtaining general information about the hospital, the type of ICU, number of beds, availability of hemodynamic monitoring tools, etc.
- The second phase will take place on September 7, 2022, where demographic information will be obtained on patients admitted to the ICU and specific data on the type of hemodynamic monitoring used. The data of patients who are in the unit or are admitted that day within a 24-hour period from 7 am on September 7, 2022, to 7 am the next day will be included.

### **Intervention Type**

Other

### **Primary outcome(s)**

The primary objective of the study is to describe the practices and preferences of the types of hemodynamic monitoring used in ICUs in Mexico.

### **Key secondary outcome(s)**

The secondary objective is to identify independently associated factors to use some form of hemodynamic monitoring according to the type of hospital or the characteristics of the patient.

### **Completion date**

08/09/2022

## **Eligibility**

### **Key inclusion criteria**

Critically ill patients over 18 years of age who are in the ICU on an established day, including admissions.

### **Participant type(s)**

Patient

### **Healthy volunteers allowed**

No

### **Age group**

Adult

### **Lower age limit**

18 years

### **Sex**

All

**Key exclusion criteria**

Patients who are discharged due to improvement or it is not possible to obtain informed consent when required.

**Date of first enrolment**

07/09/2022

**Date of final enrolment**

08/09/2022

**Locations****Countries of recruitment**

Mexico

**Study participating centre****Hospital Ángeles Tijuana**

Paseo de los Heroes No 10999

Tijuana

Mexico

22010

**Sponsor information****Organisation**

Colegio Mexicano de Medicina Crítica, A. C.

**Funder(s)****Funder type**

Other

**Funder Name**

Investigator initiated and funded

**Results and Publications****Individual participant data (IPD) sharing plan**

The raw data and the code used will be made public on the GitHub platform (<https://github.com/>).

## **IPD sharing plan summary**

Stored in publicly available repository