

Cardiovascular system monitoring practices in critically ill patients

Submission date 10/08/2022	Recruitment status No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
Registration date 12/08/2022	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
Last Edited 11/08/2022	Condition category 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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Additional identifiers

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