Cardiovascular system monitoring practices in critically ill patients

Submission date 10/08/2022	Recruitment status No longer recruiting	[X] Prospectively registered
		<pre>Protocol</pre>
Registration date 12/08/2022	Overall study status Completed	Statistical analysis plan
		Results
Last Edited 11/08/2022	Condition category Other	Individual participant data
		Record updated in last year
_	ıdy aims	of monitoring of the cardiovascular system used in
Who can participate Patients older than		s, and critically ill who are in the intensive care unit
What does the stud No intervention wil monitoring used wi	اً be performed on the إ	patients. Only demographic data and the type of
•	ole benefits and risks of or side effects since no i	participating? Interventions will be performed.
Where is the study Hospital Angeles Ti		
When does the stud August 2021 to Sep	dy start and how long is stember 2022	it expected to last?
Who is funding the Investigator initiate	_	
Who is the main cor Damian Gutierrez-Z	ntact? arate, dr.guzda@gmail	.com

Contact information

Type(s)

Principal investigator

Contact name

Dr Damian Gutierrez-Zarate

ORCID ID

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Contact details

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Additional identifiers

Clinical Trials Information System (CTIS)

Nil known

ClinicalTrials.gov (NCT)

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

Study outputs

Output type Details Date created Date added Peer reviewed? Patient-facing?

Participant information sheet Participant information sheet 11/11/2025 11/11/2025 No Yes