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Cardiovascular system monitoring practices in critically ill patients

Submission date	Recruitment status	[X] Prospectively registered
10/08/2022	No longer recruiting	[ ] Protocol
Registration date	**Overall study status**	[ ] Statistical analysis plan
12/08/2022	Completed	[ ] Results
Last Edited	**Condition category**	[ ] Individual participant data
11/08/2022	Other	[ ] 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

EudraCT/CTIS number
Nil known

IRAS number

ClinicalTrials.gov number
Nil known

Secondary identifying numbers
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

Secondary study design
Cross sectional study

Study setting(s)
Hospital

Study type(s)
Other

Participant information sheet
No participant information sheet available

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

Secondary outcome measures
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.

Overall study start date
01/08/2021

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

Age group
Adult

Lower age limit
18 Years

Sex
Both

Target number of participants
400

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
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22010

Sponsor information

Organisation
Colegio Mexicano de Medicina Crítica, A. C.

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Sponsor type
Other

Website
https://commec.org/

Funder(s)

Funder type
Other

Funder Name
Investigator initiated and funded

Results and Publications

Publication and dissemination plan
Planned publication in an indexed peer-reviewed journal

Intention to publish date
13/10/2022

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